

**DEGSON**  
Terminal Block

NINGBO DEGSON ELECTRICAL CO., LTD.  
ISO9001 ISO14001 ISO80079-34 ISO/TS22163 IATF16949

**DEGSON**  
Circular Connectors

NINGBO DEGSON ELECTRICAL CO., LTD.  
ISO9001 ISO14001 ISO80079-34 ISO/TS22163 IATF16949

**DEGSON**  
Heavy Duty Connector

NINGBO DEGSON ELECTRICAL CO., LTD.  
ISO9001 ISO14001 ISO80079-34 ISO/TS22163 IATF16949

**DEGSON**  
EV Charging Cable

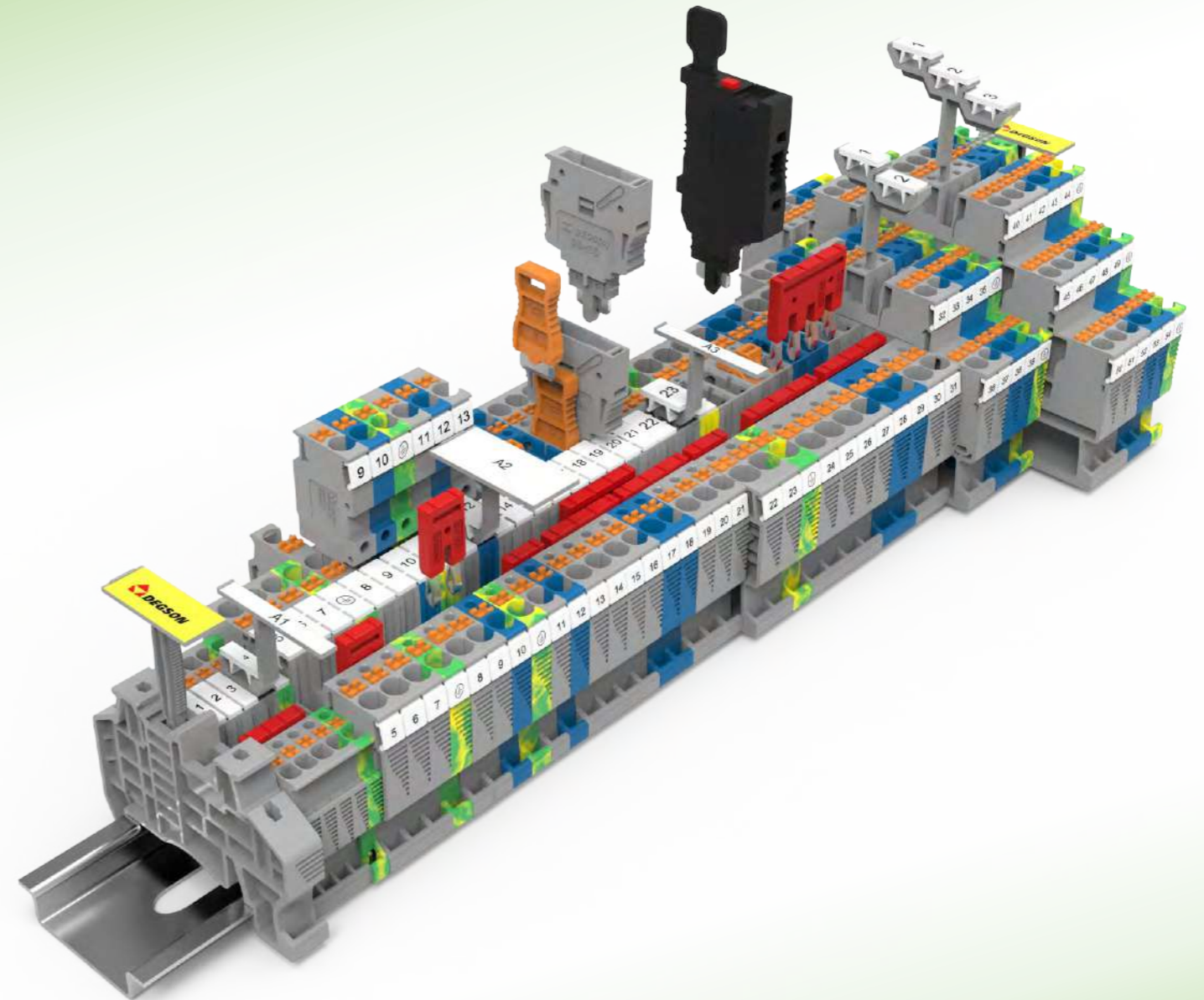
DEGSON TECHNOLOGY CO., LTD.  
IATF16949

**DEGSON**  
Electronic Product

NINGBO DEGSON ELECTRICAL CO., LTD.  
ISO9001 ISO14001 ISO80079-34 ISO/TS22163 IATF16949

**DEGSON**  
Customized Product

NINGBO DEGSON ELECTRICAL CO., LTD.  
ISO9001 ISO14001 ISO80079-34 ISO/TS22163 IATF16949



**DEGSON**  
NINGBO DEGSON ELECTRICAL CO., LTD.

Add: No.1585.Xiaolin Road.Cixi.Ningbo China  
P.C.: 315321  
www.degson.com  
The catalog is for reference purpose only and details are base on company's specifications

Tel: +86-574-63510770  
E-mail: sale@degson.com



DR 22-E01



## BRIEF INTRODUCTION

01 Founded in 1990, DEGSON is a global solution provider of electrical, electronic and industrial connectors. As a National High-tech enterprise, DEGSON owns the UL and VDE certified laboratory. The company achieved ISO9001, ISO14001, ISO80079-34, ISO/TS22163 and IATF16949 management system certifications.

02 DEGSON is engaged in supplying highly reliable and durable products to serve global customers. The company has a market-leading capability of mould processing, automatic manufacturing and advanced testing. DEGSON has the complete engineering ability to support global customers with the professional customization solution and value-added service.

03 DEGSON products are widely recognized in China, the USA, Germany, the UK, Italy, Spain, Turkey, Japan, South Korea, Singapore, etc. totally hundred countries and regions. DEGSON supply high quality products and provide professional services globally in the industry sectors likely industrial automation, instrument, electric power, railway, marine and offshore, new energy, elevator, lighting, security, machinery, etc. The company won the recognition from partners among Fortune 500 and industry leading enterprises.

04 Based on the business philosophy of "pragmatic innovation, responsibility, integrity, harmonious development, regulation and win-win", DEGSON continuously integrates professional technical resources, R&D innovation, product manufacturing and technology application capabilities. Relying on global sales network, DEGSON aims to supply series of multiple varieties of high-quality products and services. We provide global customers with professional and quick connected application solutions, help customers continue to create value. DEGSON is making contributions to creating a smart and interconnected world.



## First Lab. authorized by UL&VDE in Asia

Strategic cooperation with UL and VDE



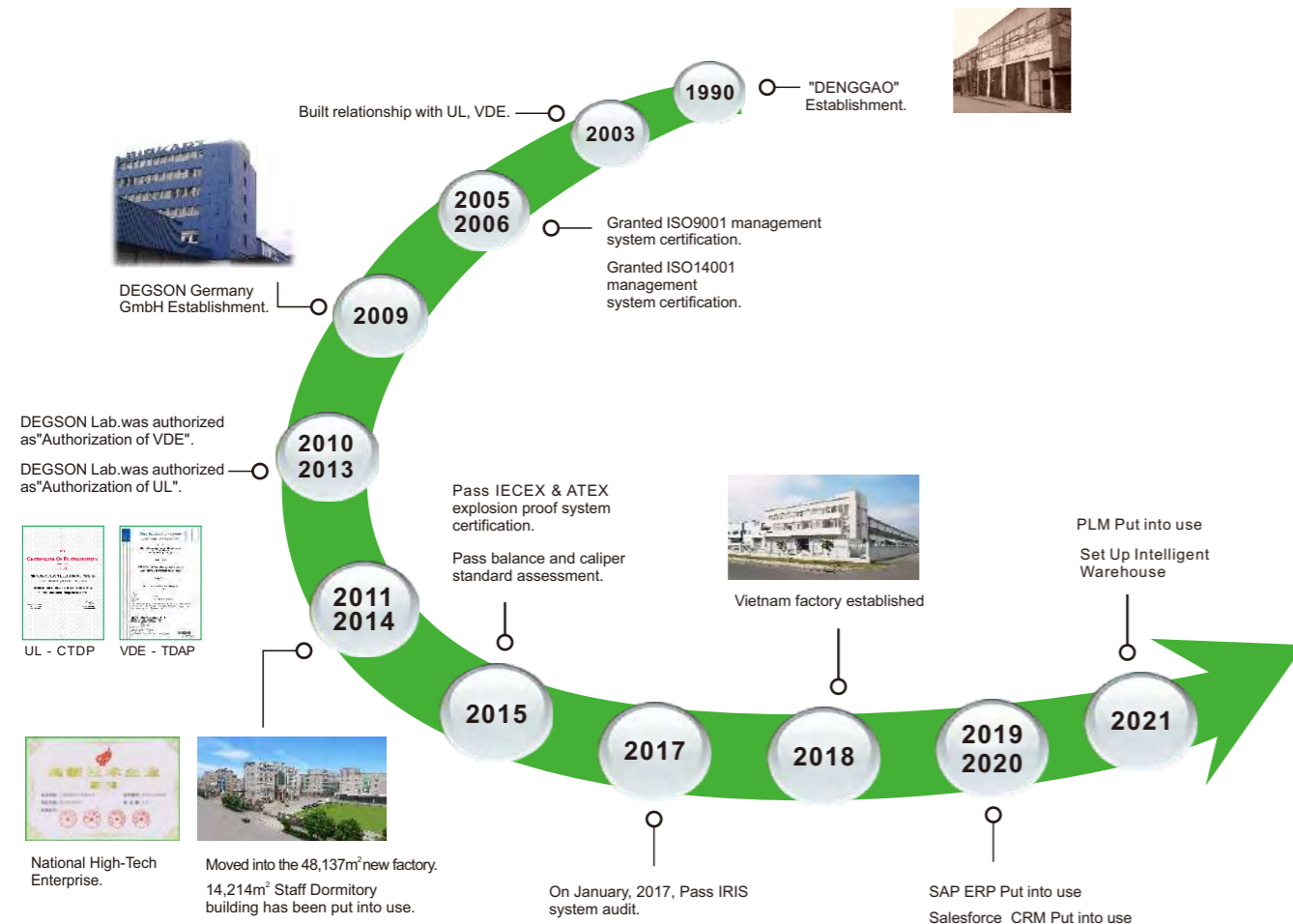
1 | 2  
3

- ① The general manager of UL global energy & technology division visit our company
- ② Sven Ohrke, President of VDE global services, comes to DEGSON to discuss strategic cooperation
- ③ VDE Laboratory Accreditation: In July 2010, VDE Issued the "VDE Authorized Laboratory" Certificate to DEGSON' s laboratory.  
UL laboratory accreditation: UL formally issued "UL WTDP" certification to DEGSON in March 2013. On April, 2016, UL-CTDP. On December, 2016, VDE-TDAP. On January, 2017, Pass IRIS system audit.





## Company History



## Sales Network

Products have been exported to more than 100 countries and areas in the global.



# CONTENTS

### DIN Rail terminal block series

DS Push-in series .....	01-58
WS Spring-cage series .....	59-102
DC Steel screw series .....	103-146
PC Brass screw series .....	147-188
BS Bolt connection series .....	189-192

### Accessories & marking system

Marking system .....	193-196
Terminal blocks marker .....	197-213
Cable marker .....	214-215
Device marker .....	216-218
Accessories .....	219-224

### Customized products series

DIN Rail terminal blocks customized products .....	225-238
Enclosures customized products .....	239-240
Customization capability .....	241-246

### Testing standard of DIN Rail terminal blocks

Testing standard of DIN Rail terminal blocks .....	247-278
--	---------

# Product Index

## DS Push-in series

### 05-08

DS1.5 Series



### 09-12

DS1.5 Series



### 14-17

DS2.5 Series



### 18-22

DS2.5 Series



### 24-26

DS4 Series



### 27-28

DS4 Series



### 30-32

DS6 Series



### 34-35

DS10 Series



### 37-38

DS16 Series



### 40-41

Fuse Terminal Blocks



### 43-45

Disconnect Terminal Blocks



### 47

Plug-in



### 50-53

DSIO sensor terminal blocks and actuator terminal blocks



### 55-57

Component terminal blocks



## WS Spring-cage series

### 63-66

WS1.5 Series



### 67-68

WS1.5 Series



### 70-72

WS2.5 Series



### 73-76

WS2.5 Series





**77-78**

WS2.5 Series



WS2.5T-DIN15 WS2.5T-DIN35 WS2.5T-MID-CO WS2.5T-END-CO

**80-84**

WS4 Series



WS4 WS4-PE WS4-DB WS4-TW WS4-TW-PE WS4-QU WS4-QU-PE WS4T-DB

**86-87**

WS6 Series



WS6 WS6-PE WS6-TW WS6-TW-PE

**89-90**

WS10 Series



WS10 WS10-PE WS10-TW WS10-TW-PE

**92-93**

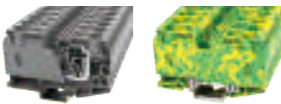
WS16 Series



WS16 WS16-PE WS16-TW WS16-TW-PE

**95**

WS35 Series



WS35 WS35-PE

**97**

 Inclined  
Feed-through  
Terminal  
Blocks


WS2.5-TW-TA WS2.5-TW-TA-PE

**99-100**

 Fuse Terminal  
Blocks


WSF4-TA WSF4-TA-08A(H) WSF4-TA-10A(H)

**102**

 Component  
Terminal  
Blocks


WS2.5-QU-LD-L-R WS2.5-QU-LD-R-L

**DC Steel screw series**
**107-109**

DC2.5 Series



DC2.5 DC2.5-PE DC2.5-TW DC2.5-TW-PE

**111-113**

DC2.5 Series



DC2.5-QU DC2.5-QU-PE DCKKB2.5 DCKKB2.5-PV DCKKB2.5-PE

**117-120**

DC4 Series



DC4 DC4-PE DC4-TW DC4-TW-PE DC4-QU DC4-QU-PE

**121-122**

DC4 Series



DCKKB4 DCKKB4-PV DCKKB4-PE

**126**

DC6 Series



DC6 DC6-PE

**128-132**

DC10 Series



DC10 DC10-PE DC10-TW DC10-TW-PE DCKKB10 DCKKB10-PV

**134-136**

 WS16 Series  
WS35 Series


DC16 DC16-PE DC35 DC35-PE

**137-139**

 WS50 Series  
WS95 Series


DC50 DC50-PE DC95

**141-142**

 Fuse Terminal  
Blocks


DC4-HE DC4-HE-LD24 DC4-HE-LD250

**144-146**

 Disconnect  
Terminal Blocks/  
Test Disconnect  
Terminal Block


DC4-MT DC4-TG DCTK6



### PC Brass screw series

<b>151</b> PC1.5 Series		PC1.5						
<b>153-157</b> PC2.5 Series								
<b>159-162</b> PC4 Series								
<b>164-166</b> PC6 Series PC10 Series								
<b>168-172</b> PC16 Series PC35 Series								
<b>174-177</b> PC50 Series PC95 Series								
<b>179-180</b> Micro And Miniature Terminal Blocks								
<b>182-183</b> Fuse Terminal Blocks								
<b>185-186</b> Disconnect Terminal Blocks								
<b>188</b> Test Disconnect Terminal Block								

### BS Bolt connection series

<b>191-192</b> BS8 Series BS10 Series				
	BS8	BS8 N	BS10	BS10 N

### Accessories & marking system

<b>196</b> Marking system								
	The Vario plotter	PTT thermal transfer printer						
<b>198-207</b> Terminal block markers								
	ZC Series	ZS Series	ZSF Series	ZB Series	ZK Series	ZT Series	WB Series	DEK Series
<b>208-213</b> Terminal block markers								
	ZW Series	DTH Marker Carrier	DMTH Marker Bracket	Terminal Blocks Marker	DBE-1 Terminal Blocks Marker	DBE-2 Terminal Blocks Marker	DLM Terminal Blocks Marker	Warning Marker
<b>215</b> Cable markers								
	Mark Sleeves	Thermal Casing						
<b>217-218</b> Device markers								
	Self-adhesive device markers for buttons	DML Self-adhesive device markers	Self-adhesive PVC device markers, High flexibility	Self-adhesive device marking, high temperature				
<b>220-224</b> Accessories								
	DIN rail NS15, short type	DIN rail NS35, short type	Snap-in End Stopper	Neutral Bus Bar	Neutral Bus Bar Bracket	Shield Terminal	L/N/PE Terminal Block	Wire Slot
<b>228</b> Drawer Terminal Block								
	DS2.5PH-16P	DS2.5PH-24P						

### Customized products series



# DIN Rail Terminal Blocks

**229-231**  
WS1.5 Series  
WS4 Series



**232-233**  
WS6 Series  
WS10 Series



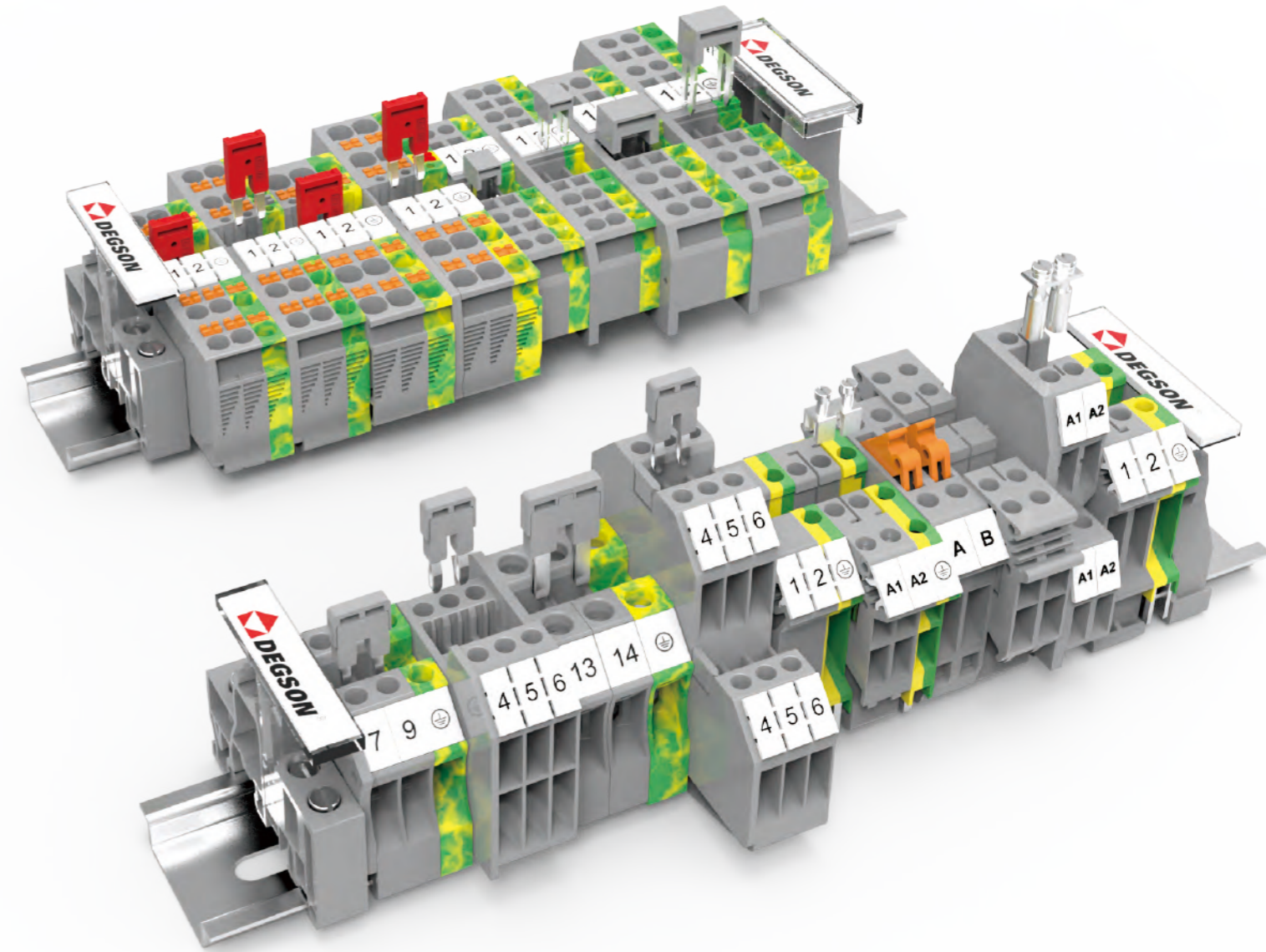
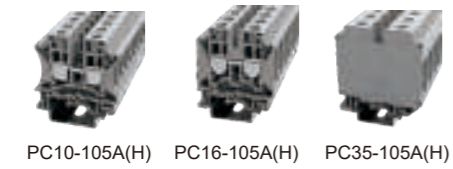
**234**  
WS16 Series



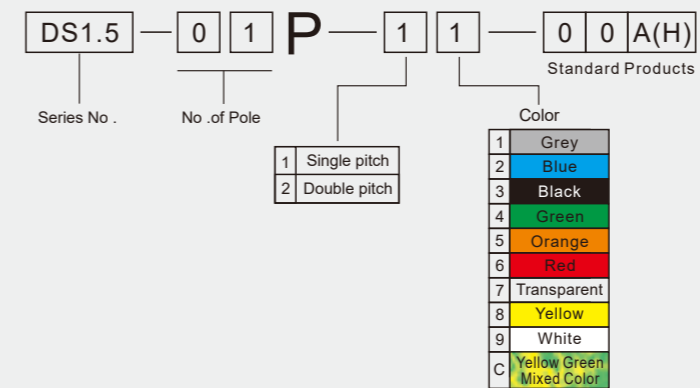
**235**  
Plug-in



**236-238**  
PC16 Series  
PC35 Series



## HOW TO ORDER



EG:



DS2.5-01P-11-00A(H)



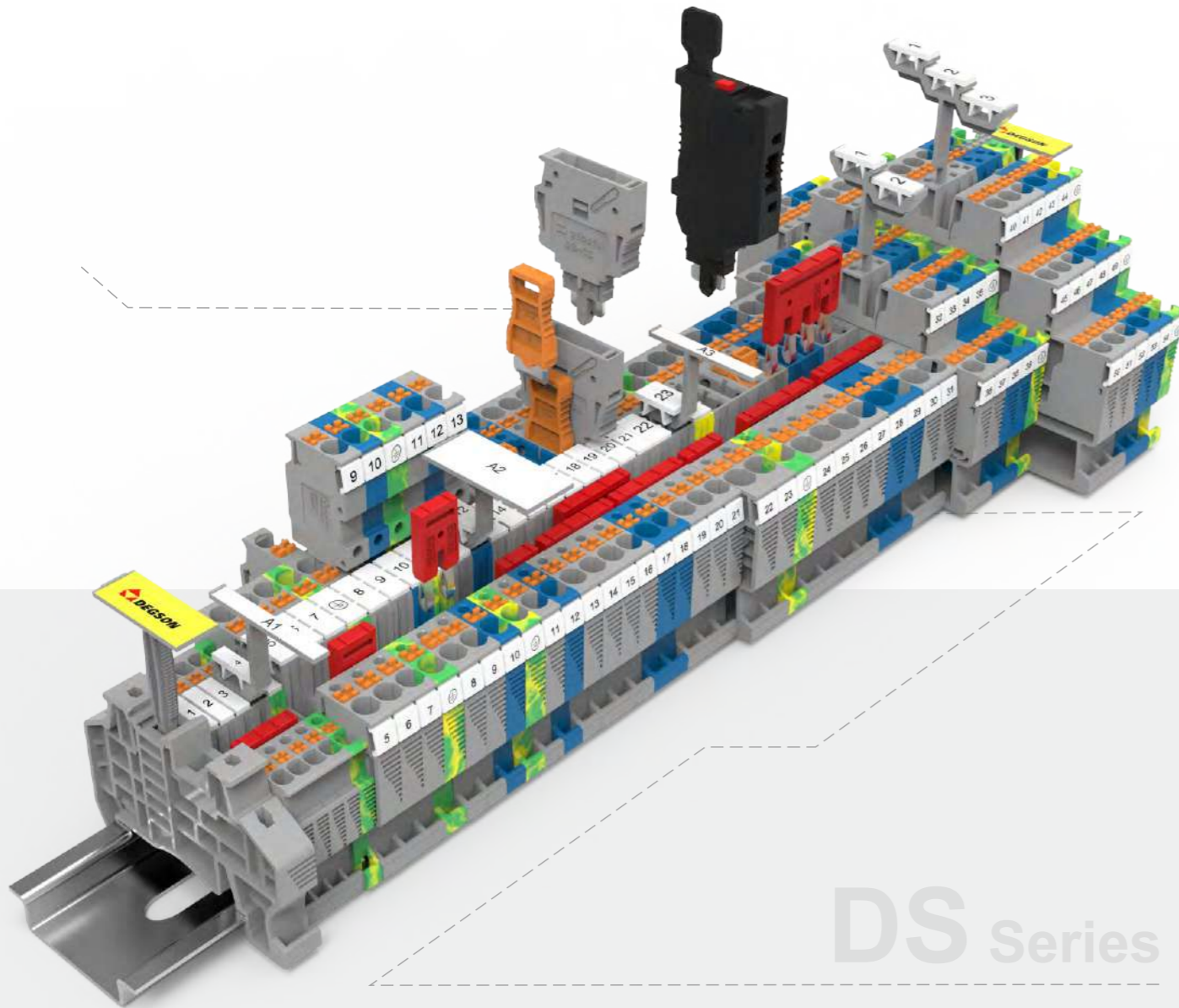
WS2.5-01P-11-00A(H)



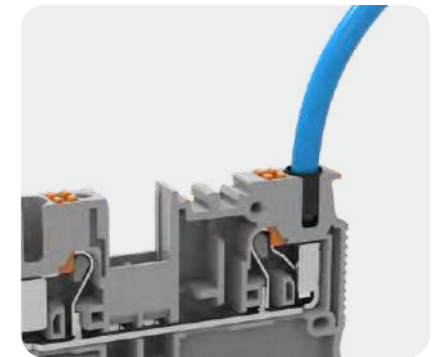
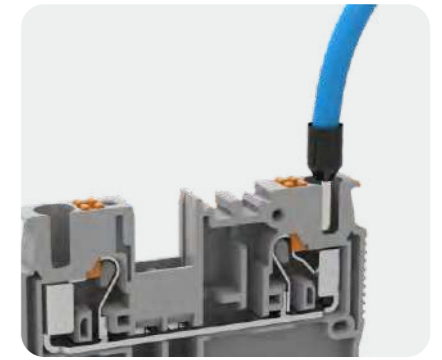
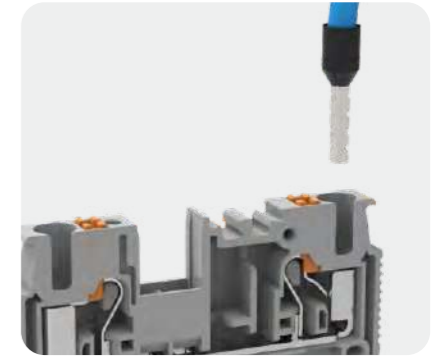
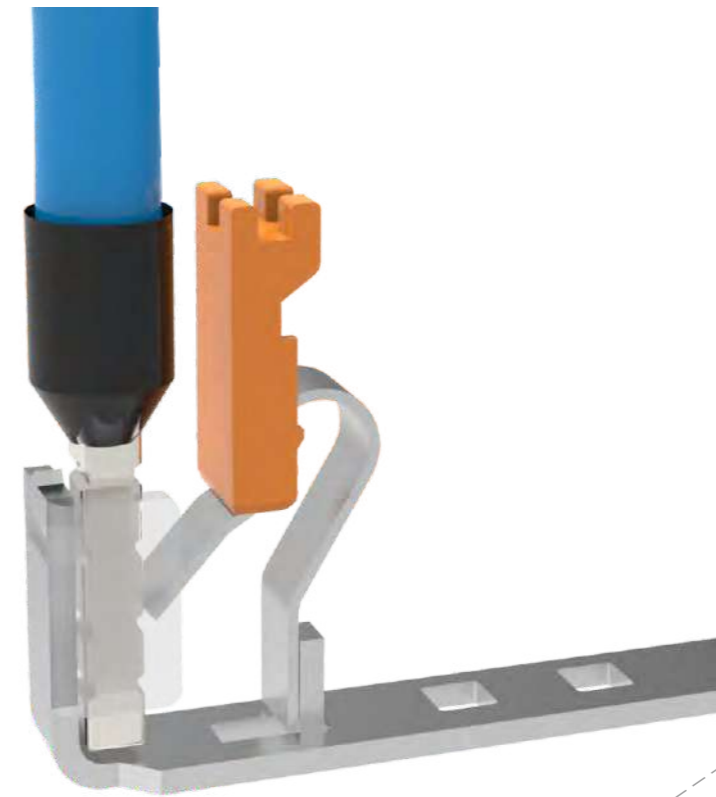
## DS-Push-in Connection Terminal Blocks

### Feature

- Adopt Push-in connection technology, no tools for wiring, high efficiency and quick connection
- Double channel bridge position, easy to realize potential distribution
- Standardized test hole, convenient and fast circuit test
- Pluggable bridges and rich accessory systems perfectly solve the application needs of the user end



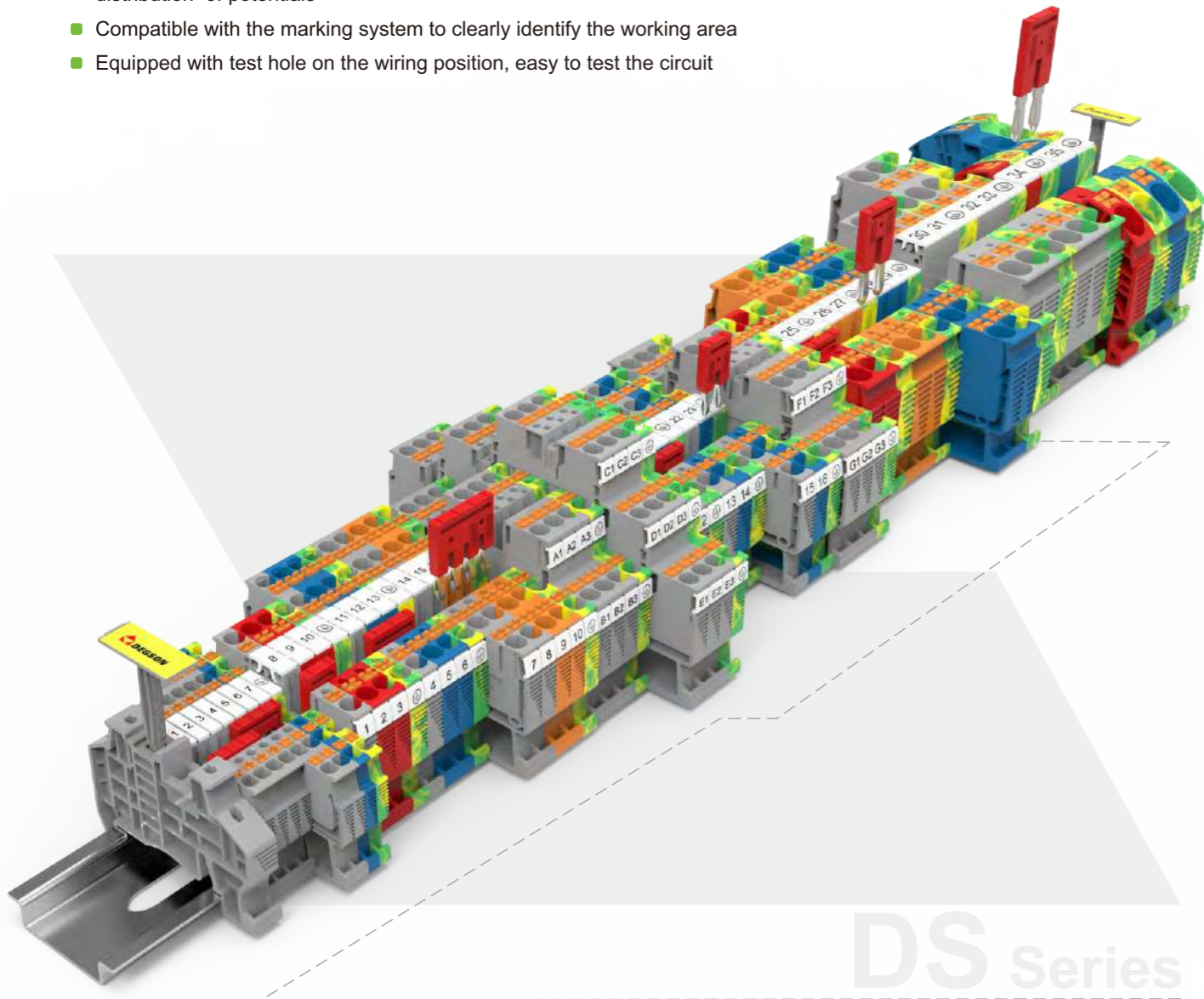
DS Series



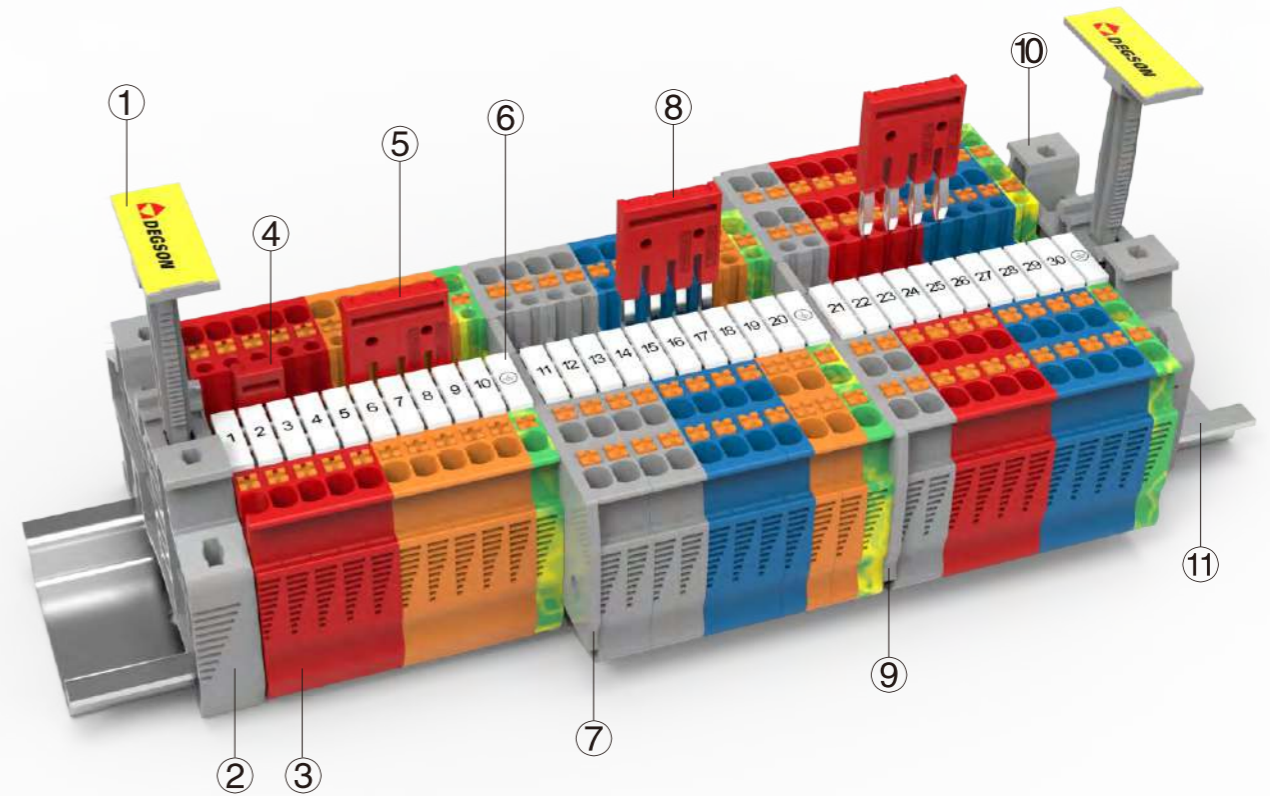
DS Push-in connection terminal blocks, its stainless steel spring ensures excellent resilience and anti-seismic performance. Even if repeated operation, it can still ensure connection reliability. High-precision copper alloy conductors provide the lowest temperature rise, ensuring reliable and safe connections. PA66 plastic parts can meet the working environment of -40°C to 105°C. The convenient and fast Push-in connection technology can allow the rigid wire and the multi strand flexible wire with cold pressing terminal to be directly inserted without tools, thus minimizing the labor time and labor cost. At the same time, rich functional product solutions can easily realize short-circuit / overload protection, short-circuit test, plug-in and other application requirements.

## DS Feed-through Terminal Blocks

- DS Feed-through DIN Rail terminal blocks can reach tool free wiring with the Push-in connection technology; Easy to remove the cable by push the orange button
- Multi-deck terminal block, space saving, three-deck with ground protective terminal block, suitable for motor connection
- Double-channel bridging design and 2-20 poles bridges reach the flexible distribution of potentials
- Compatible with the marking system to clearly identify the working area
- Equipped with test hole on the wiring position, easy to test the circuit



DS Series



Description	Part No.	Remark
① Marker carrier	KLM3-20x8-11-00A(H)	Suitable for E-PC-1100A(H) & E-WS N
② End Clamp	E-WS N-01P-11-00A(H)	Fixing products on NS35 DIN rail
③ Terminal blocks	DS1.5-01P-11-00A(H)	Push-in type 1.5mm <sup>2</sup> DIN Rail terminal blocks
④ Pluggable bridges	DFB2-3.5-16-00A(H)	02P bridge, use for DS1.5 series
⑤ Pluggable bridges	DFB4-3.5-16-00A(H)	04P bridge, use for DS1.5 series
⑥ Marker	ZB3.5-10P-19-00A(H)	Marker is used for the top of DS1.5 series
⑦ End cover	D-DS1.5-TW-01P-11-00A(H)	End cover is used for DS1.5-TW&DS1.5-TW-PE
⑧ Pluggable bridges	DFB4-3.5-16-00A(H)	04P bridge, use for DS1.5 series
⑨ End cover	D-DS1.5-QU-01P-11-00A(H)	End cover is used for DS1.5-QU&DS1.5-QU-PE
⑩ End Clamp	E-WS N-01P-11-00A(H)	Fixing products on NS35 DIN rail
⑪ DIN rail	NS35/7.5-0150-00A(H)	NS35 DIN rail

### Circuit diagram

	○ Connection point for wiring		— — Fuse connection		⏏ Disconnecting
	• Connection point for bridging		— — Resistance connection		• Circuit connection point
	— — LED light connection		⏏ Grounding connection		— — Diode connection



## Push-in connection technology

Feed-through, multi-conductor and ground terminal blocks


**DS1.5**

UL US CE ENE RoHS REACH


**DS1.5-PE**

UL US CE ENE RoHS REACH

Order NO.	11040000010				11040000018			
Width/Length/Height(NS35/7.5&NS35/15)	mm 3.5/45/32.1(39.6)				mm 3.5/45/32.1(39.6)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059	
Rated voltage	V 500		300		/		/	
Rated current	A 17.5		15		/		/	
Rated cross section	mm <sup>2</sup> /AWG 0.14-1.5		26-14		0.14-1.5		26-14	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.14-1.5	0.14-1.5	0.15-1.5	0.14-0.5	0.14-1.5	0.14-1.5	0.15-1.5	0.14-0.5
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> -	-	-	-	-	-	-	-
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)				-40(-40)~105(221)			
Stripping length	mm 8-9				8-9			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Yellow green mixed color			
<b>Accessories</b>								
Ferrule	/				/			
Slotted screwdriver size (Blade thickness x Width)	mm 0.4x2.5				0.4x2.5			
Bridge (2-10P, 20P)	 DFB2-3.5 DFB3-3.5 DFB4-3.5 DFB5-3.5 DFB6-3.5 DFB7-3.5 DFB8-3.5 DFB9-3.5 DFB10-3.5 DFB20-3.5				/			
End cover	 D-DS1.5				D-DS1.5			
Partition plate	/				/			
Top marker	 ZB3.5 / ZS3.5				ZB3.5 / ZS3.5			
Side marker	 ZSF3.5				ZSF3.5			
Marker support	 DTH3.5-25x3.5 / DTH3.5-25x12				DTH3.5-25x3.5 / DTH3.5-25x12			
Terminal strip marker support	 DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	 E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			

## Push-in connection technology

Feed-through, multi-conductor and ground terminal blocks


**DS1.5-TW**

CE ENE RoHS REACH


**DS1.5-TW-PE**

CE ENE RoHS REACH

Order NO.	11040000077				11040000097			
Width/Length/Height(NS35/7.5&NS35/15)	mm 3.5/54/32.1(39.6)				mm 3.5/54/32.1(39.6)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059	
Rated voltage	V 500		300		/		/	
Rated current	A 17.5		15		/		/	
Rated cross section	mm <sup>2</sup> /AWG 0.14-1.5		26-14		0.14-1.5		26-14	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.14-1.5	0.14-1.5	0.14-1.5	0.14-0.5	0.14-1.5	0.14-1.5	0.14-1.5	0.14-0.5
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> -	-	-	-	-	-	-	-
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)				-40(-40)~105(221)			
Stripping length	mm 8-10				8-10			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Yellow green mixed color			
<b>Accessories</b>								
Ferrule	/				/			
Slotted screwdriver size (Blade thickness x Width)	mm 0.4x2.5				0.4x2.5			
Bridge (2-10P, 20P)	 DFB2-3.5 DFB3-3.5 DFB4-3.5 DFB5-3.5 DFB6-3.5 DFB7-3.5 DFB8-3.5 DFB9-3.5 DFB10-3.5 DFB20-3.5				/			
End cover	 D-DS1.5-TW				D-DS1.5-TW			
Partition plate	/				/			
Top marker	 ZB3.5 / ZS3.5				ZB3.5 / ZS3.5			
Side marker	 ZSF3.5				ZSF3.5			
Marker support	 DTH3.5-25x3.5 / DTH3.5-25x12				DTH3.5-25x3.5 / DTH3.5-25x12			
Terminal strip marker support	 DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	 E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			

## Push-in connection technology

Feed-through, multi-conductor and ground terminal blocks


**DS1.5-QU**

CE ENEC RoHS REACH


**DS1.5-QU-PE**

CE ENEC RoHS REACH

Order NO.	11040000075				11040000076			
Width/Length/Height(NS35/7.5&NS35/15)	mm 3.5/63.2/32.1(39.6)				mm 3.5/63.2/32.1(39.6)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059	
Rated voltage	V 500		300		/		/	
Rated current	A 17.5		15		/		/	
Rated cross section	mm <sup>2</sup> /AWG 0.14-1.5		26-14		0.14-1.5		26-14	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.14-1.5	0.14-1.5	0.14-1.5	0.14-0.5	0.14-1.5	0.14-1.5	0.14-1.5	0.14-0.5
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> -	-	-	-	-	-	-	-
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)				-40(-40)~105(221)			
Stripping length	mm 8-10				8-10			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Yellow green mixed color			
<b>Accessories</b>								
Ferrule	/				/			
Slotted screwdriver size (Blade thickness x Width)	mm 0.4x2.5				0.4x2.5			
Bridge (2-10P, 20P)	DFB2-3.5 DFB3-3.5 DFB4-3.5 DFB5-3.5 DFB6-3.5 DFB7-3.5 DFB8-3.5 DFB9-3.5 DFB10-3.5 DFB20-3.5				/			
End cover	D-DS1.5-QU				D-DS1.5-QU			
Partition plate	/				/			
Top marker	ZB3.5 / ZS3.5				ZB3.5 / ZS3.5			
Side marker	ZSF3.5				ZSF3.5			
Marker support	DTH3.5-25x3.5 / DTH3.5-25x12				DTH3.5-25x3.5 / DTH3.5-25x12			
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			

## Push-in connection technology

Feed-through, multi-conductor and ground terminal blocks


**DSKK1.5**

CE ENEC RoHS REACH


**DSKK1.5-PV**

CE ENEC RoHS REACH

Order NO.	11040000196				11040000197			
Width/Length/Height(NS35/7.5&NS35/15)	mm 3.5/68.2/44.1(51.6)				mm 3.5/68.2/44.1(51.6)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-1		UL UL1059	
Rated voltage	V 500		300		500		300	
Rated current	A 16		15		16		15	
Rated cross section	mm <sup>2</sup> /AWG 0.14-1.5		26-16		0.14-1.5		26-16	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.14-1.5	0.14-1.5	0.15-1.5	0.14-0.5	0.14-1.5	0.14-1.5	0.15-1.5	0.14-0.5
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> -	-	-	-	-	-	-	-
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)				-40(-40)~105(221)			
Stripping length	mm 8-10				8-10			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Grey, Red, Blue (please contact sales for other color requirements)			
<b>Accessories</b>								
Ferrule	/				/			
Slotted screwdriver size (Blade thickness x Width)	mm 0.4x2.5				0.4x2.5			
Bridge (2-10P, 20P)	DFB2-3.5 DFB3-3.5 DFB4-3.5 DFB5-3.5 DFB6-3.5 DFB7-3.5 DFB8-3.5 DFB9-3.5 DFB10-3.5 DFB20-3.5				DFB2-3.5 DFB3-3.5 DFB4-3.5 DFB5-3.5 DFB6-3.5 DFB7-3.5 DFB8-3.5 DFB9-3.5 DFB10-3.5 DFB20-3.5			
End cover	D-DSKK1.5				D-DSKK1.5			
Partition plate	/				/			
Top marker	/				/			
Side marker	/				/			
Marker support	/				/			
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			



## Push-in connection technology

Feed-through, multi-conductor and ground terminal blocks



CE ENEC RoHS REACH

<b>Order NO.</b>	11040000195			
<b>Width/Length/Height(NS35/7.5&amp;NS35/15)</b> mm	3.5/68.2/44.1(51.6)			
<b>Electrical Data</b>	IEC IEC60947-7-2	UL UL1059		
<b>Rated voltage</b> V	/	/		
<b>Rated current</b> A	/	/		
<b>Rated cross section</b> mm <sup>2</sup> /AWG	0.14-1.5	26-16		
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)	
<b>1 conductor</b> mm <sup>2</sup>	0.14-1.5	0.14-1.5	0.15-1.5	0.14-0.5
<b>2 flexible conductors with a TWIN ferrule</b> mm <sup>2</sup>	—	—	—	—
<b>General Information</b>				
<b>Insulation material/Flammability rating (according to UL 94)</b>	PA/V0			
<b>Operation temperatures</b> °C ( °F )	-40(-40)~105(221)			
<b>Stripping length</b> mm	8-10			
<b>Color</b>	Yellow green mixed color			
<b>Accessories</b>				
<b>Ferrule</b>	/			
<b>Slotted screwdriver size (Blade thickness x Width)</b> mm	0.4x2.5			
<b>Bridge (2-10P, 20P)</b>	 DFB2-3.5 DFB3-3.5 DFB4-3.5 DFB5-3.5 DFB6-3.5 DFB7-3.5 DFB8-3.5 DFB9-3.5 DFB10-3.5 DFB20-3.5			
<b>End cover</b>	 D-DSKK1.5			
<b>Partition plate</b>	/			
<b>Top marker</b>	/			
<b>Side marker</b>	/			
<b>Marker support</b>	/			
<b>Terminal strip marker support</b>	 DLM2 / KLM3-20x8 / KLM3-44x8			
<b>End clamp</b>	 E-PC 1100A / E-WS N			

## Push-in connection technology

Feed-through, multi-conductor and ground terminal blocks



CE ENEC RoHS REACH



CE ENEC RoHS REACH

<b>Order NO.</b>	11040000208	11040000210		
<b>Width/Length/Height(NS35/7.5&amp;NS35/15)</b> mm	3.5/102/56.1(63.6)	3.5/102/56.1(63.6)		
<b>Electrical Data</b>	IEC IEC60947-7-1	UL UL1059	IEC IEC60947-7-1	UL UL1059
<b>Rated voltage</b> V	500	300	500	300
<b>Rated current</b> A	15	15	15	15
<b>Rated cross section</b> mm <sup>2</sup> /AWG	0.14-1.5	26-16	0.14-1.5	26-16
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)	
<b>1 conductor</b> mm <sup>2</sup>	0.14-1.5	0.14-1.5	0.15-1.5	0.14-0.5
<b>2 flexible conductors with a TWIN ferrule</b> mm <sup>2</sup>	—	—	—	—
<b>General Information</b>				
<b>Insulation material/Flammability rating (according to UL 94)</b>	PA/V0		PA/V0	
<b>Operation temperatures</b> °C ( °F )	-40(-40)~105(221)		-40(-40)~105(221)	
<b>Stripping length</b> mm	8-10		8-10	
<b>Color</b>	Grey, Red, Blue (please contact sales for other color requirements)		Grey, Red, Blue (please contact sales for other color requirements)	
<b>Accessories</b>				
<b>Ferrule</b>	/		/	
<b>Slotted screwdriver size (Blade thickness x Width)</b> mm	0.4x2.5		0.4x2.5	
<b>Bridge (2-10P, 20P)</b>	 DFB2-3.5 DFB3-3.5 DFB4-3.5 DFB5-3.5 DFB6-3.5 DFB7-3.5 DFB8-3.5 DFB9-3.5 DFB10-3.5 DFB20-3.5		 DFB2-3.5 DFB3-3.5 DFB4-3.5 DFB5-3.5 DFB6-3.5 DFB7-3.5 DFB8-3.5 DFB9-3.5 DFB10-3.5 DFB20-3.5	
<b>End cover</b>	 D-DS1.5-3L		 D-DS1.5-3L	
<b>Partition plate</b>	/		/	
<b>Top marker</b>	/		/	
<b>Side marker</b>	/		/	
<b>Marker support</b>	/		/	
<b>Terminal strip marker support</b>	 DLM2 / KLM3-20x8 / KLM3-44x8		 DLM2 / KLM3-20x8 / KLM3-44x8	
<b>End clamp</b>	 E-PC 1100A / E-WS N		 E-PC 1100A / E-WS N	

## Push-in connection technology

Feed-through, multi-conductor and ground terminal blocks

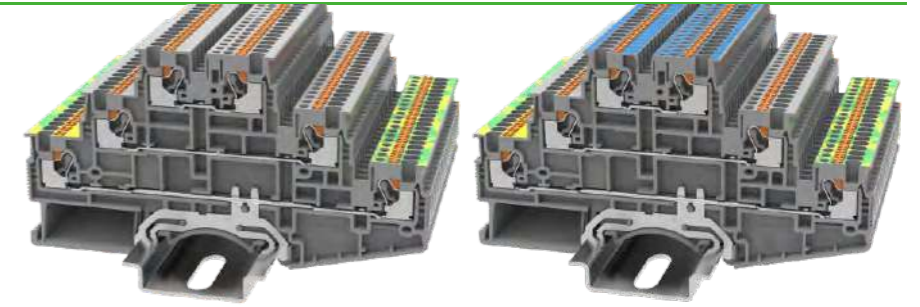


CE ENEC RoHS REACH

<b>Order NO.</b>	11040000209			
<b>Width/Length/Height(NS35/7.5&amp;NS35/15)</b>	mm	3.5/102/56.1(63.6)		
<b>Electrical Data</b>		IEC IEC60947-7-2	UL UL1059	
<b>Rated voltage</b>	V	/	/	
<b>Rated current</b>	A	/	/	
<b>Rated cross section</b>	mm <sup>2</sup> /AWG	0.14-1.5	26-16	
<b>Connection capacity</b>		Solid	Stranded	Ferrule (with and without plastic sleeve)
<b>1 conductor</b>	mm <sup>2</sup>	0.14-1.5	0.14-1.5	0.15-1.5 0.14-0.5
<b>2 flexible conductors with a TWIN ferrule</b>	mm <sup>2</sup>	—	—	—
<b>General Information</b>				
<b>Insulation material/Flammability rating (according to UL 94)</b>		PA/V0		
<b>Operation temperatures</b>	°C ( °F )	-40(-40)~105(221)		
<b>Stripping length</b>	mm	8-10		
<b>Color</b>		Yellow green mixed color		
<b>Accessories</b>				
<b>Ferrule</b>		/		
<b>Slotted screwdriver size (Blade thickness x Width)</b>	mm	0.4x2.5		
<b>Bridge (2-10P, 20P)</b>		DFB2-3.5 DFB3-3.5 DFB4-3.5 DFB5-3.5 DFB6-3.5 DFB7-3.5 DFB8-3.5 DFB9-3.5 DFB10-3.5 DFB20-3.5		
<b>End cover</b>		D-DS1.5-3L		
<b>Partition plate</b>		/		
<b>Top marker</b>		/		
<b>Side marker</b>		/		
<b>Marker support</b>		/		
<b>Terminal strip marker support</b>		DLM2 / KLM3-20x8 / KLM3-44x8		
<b>End clamp</b>		E-PC 1100A / E-WS N		

## Push-in connection technology

Feed-through, multi-conductor and ground terminal blocks



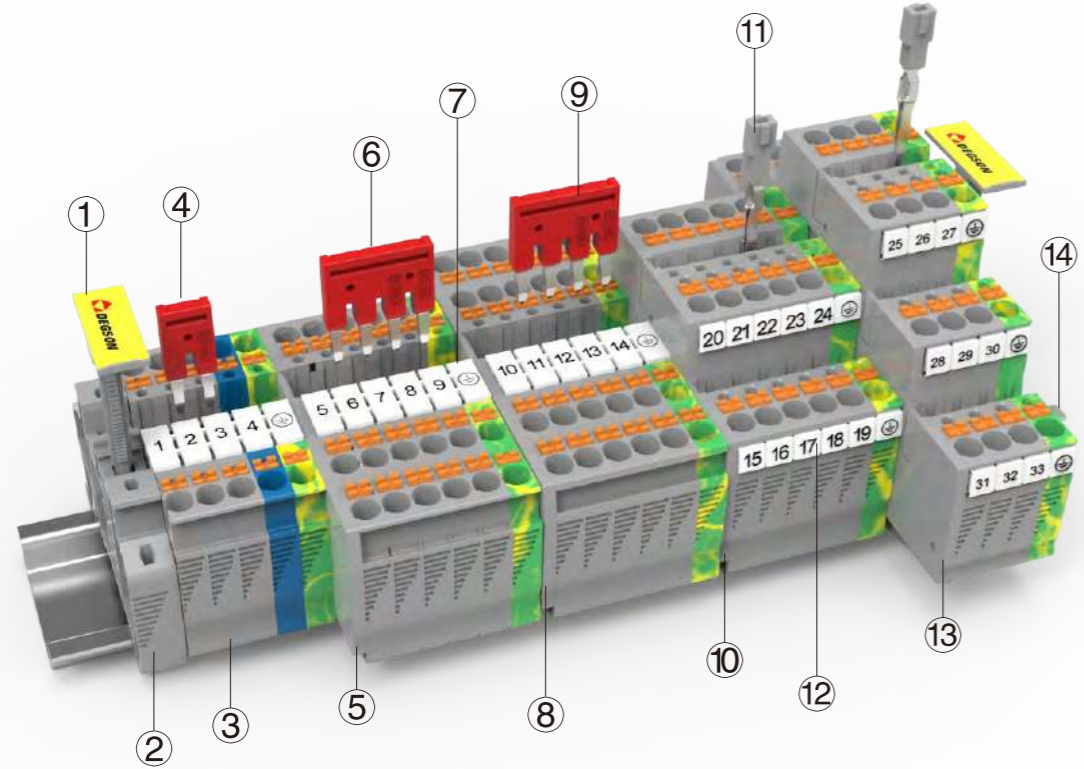
CE ENEC RoHS REACH



CE ENEC RoHS REACH

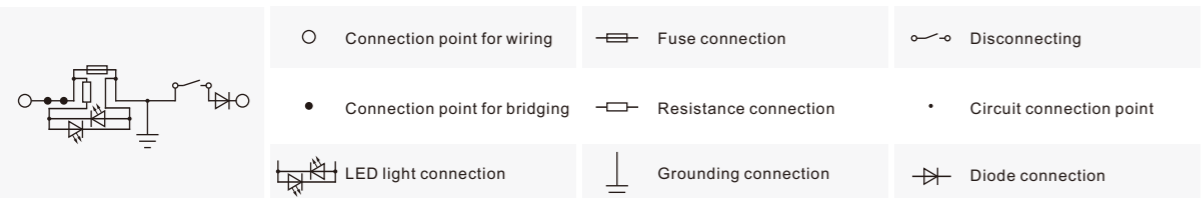
<b>Order NO.</b>	11040000220				11040000221			
<b>Width/Length/Height(NS35/7.5&amp;NS35/15)</b>	mm	3.5/102/56.1(63.6)			3.5/102/56.1(63.6)			
<b>Electrical Data</b>		IEC IEC60947-7-1	UL UL1059		IEC IEC60947-7-1	UL UL1059		
<b>Rated voltage</b>	V	500	300		500	300		
<b>Rated current</b>	A	15	15		15	15		
<b>Rated cross section</b>	mm <sup>2</sup> /AWG	0.14-1.5	26-16		0.14-1.5	26-16		
<b>Connection capacity</b>		Solid	Stranded	Ferrule (with and without plastic sleeve)	Solid	Stranded	Ferrule (with and without plastic sleeve)	
<b>1 conductor</b>	mm <sup>2</sup>	0.14-1.5	0.14-1.5	0.15-1.5 0.14-0.5	0.14-1.5	0.14-1.5	0.15-1.5 0.14-0.5	
<b>2 flexible conductors with a TWIN ferrule</b>	mm <sup>2</sup>	—	—	—	—	—	—	
<b>General Information</b>								
<b>Insulation material/Flammability rating (according to UL 94)</b>		PA/V0			PA/V0			
<b>Operation temperatures</b>	°C ( °F )	-40(-40)~105(221)			-40(-40)~105(221)			
<b>Stripping length</b>	mm	8-10			8-10			
<b>Color</b>		Grey, Red, Blue (please contact sales for other color requirements)			Grey, Red, Blue (please contact sales for other color requirements)			
<b>Accessories</b>								
<b>Ferrule</b>		/			/			
<b>Slotted screwdriver size (Blade thickness x Width)</b>	mm	0.4x2.5			0.4x2.5			
<b>Bridge (2-10P, 20P)</b>		DFB2-3.5 DFB3-3.5 DFB4-3.5 DFB5-3.5 DFB6-3.5 DFB7-3.5 DFB8-3.5 DFB9-3.5 DFB10-3.5 DFB20-3.5			DFB2-3.5 DFB3-3.5 DFB4-3.5 DFB5-3.5 DFB6-3.5 DFB7-3.5 DFB8-3.5 DFB9-3.5 DFB10-3.5 DFB20-3.5			
<b>End cover</b>		D-DS1.5-3L			D-DS1.5-3L			
<b>Partition plate</b>		/			/			
<b>Top marker</b>		/			/			
<b>Side marker</b>		/			/			
<b>Marker support</b>		/			/			
<b>Terminal strip marker support</b>		DLM2 / KLM3-20x8 / KLM3-44x8			DLM2 / KLM3-20x8 / KLM3-44x8			
<b>End clamp</b>		E-PC 1100A / E-WS N			E-PC 1100A / E-WS N			





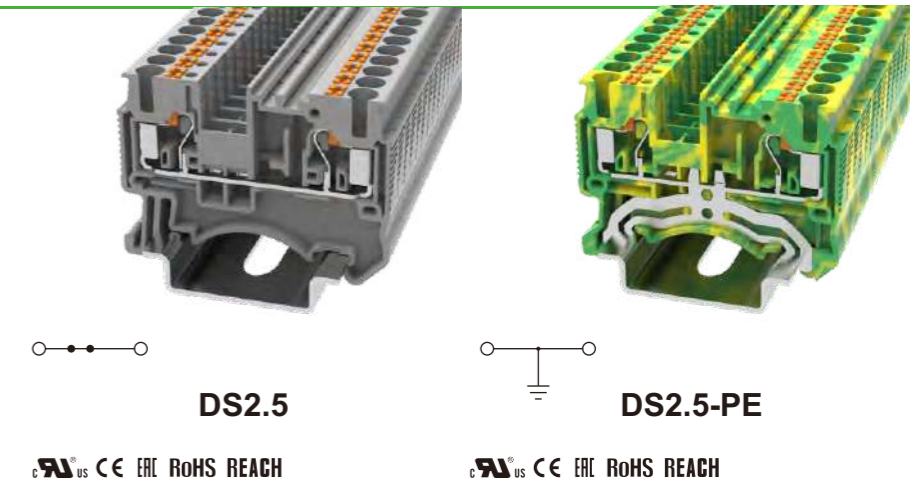
Description	Part No.	Remark
① Marker carrier	KLM3-20x8-11-00A(H)	Suitable for E-PC-1100A(H) & E-WS N
② End Clamp	E-WS N-01P-11-00A(H)	Fixing products on NS35 DIN rail
③ Terminal blocks	DS2.5-01P-11-00A(H)	Push-in type 2.5mm <sup>2</sup> DIN Rail terminal blocks
④ Pluggable bridges	DFB2-5.2-16-00A(H)	02P bridge, use for DS2.5 series
⑤ End cover	D-DS2.5-TW-01P-11-00A(H)	End cover is used for DS2.5-TW&DS2.5-TW-PE
⑥ Pluggable bridges	DFB4-5.2-16-00A(H)	04P bridge, use for DS2.5 series
⑦ Marker	ZB5-10P-19-00A(H)	Marker is used for the top of DS2.5 series
⑧ End cover	D-DS2.5-QU-01P-11-00A(H)	End cover is used for DS2.5-QU&DS2.5-QU-PE
⑨ Pluggable bridges	DFB4-5.2-16-00A(H)	04P bridge, use for DS2.5 series
⑩ End cover	D-DSKK2.5-01P-11-00A(H)	End cover is used for DSKK2.5&DSKK2.5-PE
⑪ Potential bridge	DPV2.5-01P-11-00A(H)	Vertical potential bridge, to connect the upper and lower level
⑫ Marker	ZK5-24P-19-00A(H)	Marker is used for the side of DS2.5 series
⑬ End cover	D-DS2.5-3L-01P-11-00A(H)	End cover is used for DS2.5-3L/DS2.5-3L-PE
⑭ DIN rail	NS35/7.5-0150-00A(H)	NS35 DIN rail

Circuit diagram



Push-in connection technology

Feed-through, multi-conductor, multi-level, and ground terminal blocks

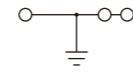
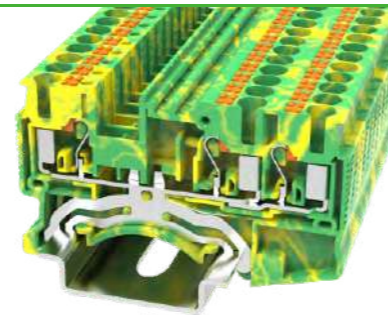


Order NO.	1104000019				1104000031			
Width/Length/Height(NS35/7.5&NS35/15)	mm				5.2/48.6/36.75(44.25)			
Electrical Data	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059	
	Rated voltage	V	800	600	/	/	/	/
Rated current	A	24	20	/	/	/	/	
Rated cross section	mm <sup>2</sup> /AWG	0.14-4	26-12	0.14-4	26-12	0.14-4	26-12	
Connection capacity	Solid Stranded Ferrule (with and without plastic sleeve)			Solid Stranded Ferrule (with and without plastic sleeve)				
	1 conductor	mm <sup>2</sup>	0.14-4	0.14-2.5	0.14-2.5	0.14-2.5	0.14-2.5	0.14-2.5
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup>	-	-	-	0.5	-	-	0.5
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F )	-40(-40)~105(221)			-40(-40)~105(221)			
Stripping length	mm	10-12			10-12			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Yellow green mixed color			

Accessories		
Ferrule	/	
Slotted screwdriver size (Blade thickness x Width)	mm	
Bridge (2-10P, 20P)	/	
End cover	/	
Partition plate	/	
Top marker	/	
Side marker	/	
Marker support	/	
Terminal strip marker support	/	
End clamp	/	

## Push-in connection technology

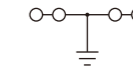
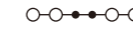
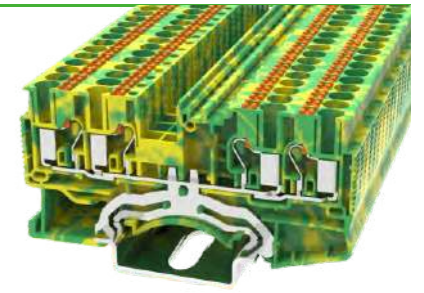
Feed-through, multi-conductor, multi-level, and ground terminal blocks


**DS2.5-TW**
**DS2.5-TW-PE**

Order NO.	11040000035				11040000040			
Width/Length/Height(NS35/7.5&NS35/15)	mm 5.2/60.5/36.75(44.25)				mm 5.2/60.5/36.75(44.25)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059	
Rated voltage	V 800		600		/		/	
Rated current	A 24		20		/		/	
Rated cross section	mm <sup>2</sup> /AWG 0.14-4		26-12		0.14-4		26-12	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.14-4	0.14-2.5	0.14-2.5	0.14-2.5	0.14-4	0.14-2.5	0.14-2.5	0.14-2.5
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> -	-	-	0.5	-	-	-	0.5
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)				-40(-40)~105(221)			
Stripping length	mm 10-12				10-12			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Yellow green mixed color			
<b>Accessories</b>								
Ferrule	/				/			
Slotted screwdriver size (Blade thickness x Width)	mm 0.6x3.5				0.6x3.5			
Bridge (2-10P, 20P)	 DFB2-5.2 DFB3-5.2 DFB4-5.2 DFB5-5.2 DFB6-5.2 DFB7-5.2 DFB8-5.2 DFB9-5.2 DFB10-5.2 DFB20-5.2				/			
End cover	 D-DS2.5-TW				D-DS2.5-TW			
Partition plate	/				/			
Top marker	 ZB5 / ZS5				ZB5 / ZS5			
Side marker	 ZK5 / ZSF5				ZK5 / ZSF5			
Marker support	 DTH5-25x5 / DTH5-25x12				DTH5-25x5 / DTH5-25x12			
Terminal strip marker support	 DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	 E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			

## Push-in connection technology

Feed-through, multi-conductor, multi-level, and ground terminal blocks

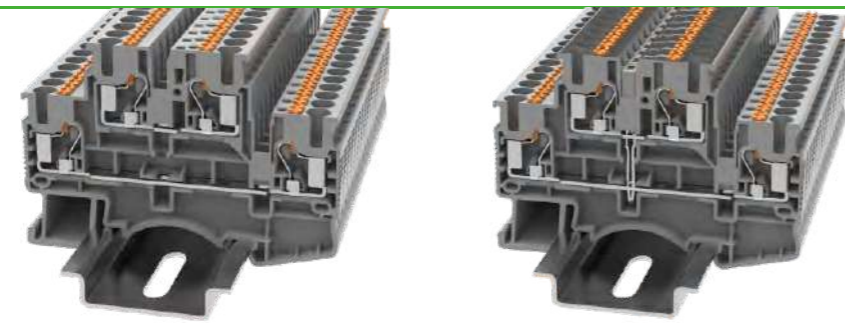

**DS2.5-QU**
**DS2.5-QU-PE**

Order NO.	11040000032				11040000034			
Width/Length/Height(NS35/7.5&NS35/15)	mm 5.2/72.2/36.75(44.25)				mm 5.2/72.2/36.75(44.25)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059	
Rated voltage	V 800		600		/		/	
Rated current	A 24		20		/		/	
Rated cross section	mm <sup>2</sup> /AWG 0.14-4		26-12		0.14-4		26-12	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.14-4	0.14-2.5	0.14-2.5	0.14-2.5	0.14-4	0.14-2.5	0.14-2.5	0.14-2.5
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> -	-	-	0.5	-	-	-	0.5
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)				-40(-40)~105(221)			
Stripping length	mm 10-12				10-12			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Yellow green mixed color			
<b>Accessories</b>								
Ferrule	/				/			
Slotted screwdriver size (Blade thickness x Width)	mm 0.6x3.5				0.6x3.5			
Bridge (2-10P, 20P)	 DFB2-5.2 DFB3-5.2 DFB4-5.2 DFB5-5.2 DFB6-5.2 DFB7-5.2 DFB8-5.2 DFB9-5.2 DFB10-5.2 DFB20-5.2				/			
End cover	 D-DS2.5-QU				D-DS2.5-QU			
Partition plate	/				/			
Top marker	 ZB5 / ZS5				ZB5 / ZS5			
Side marker	 ZK5 / ZSF5				ZK5 / ZSF5			
Marker support	 DTH5-25x5 / DTH5-25x12				DTH5-25x5 / DTH5-25x12			
Terminal strip marker support	 DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	 E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			















### Push-in connection technology

Feed-through, multi-conductor, multi-level, and ground terminal blocks



UL CE ENEC RoHS REACH

UL CE ENEC RoHS REACH







Order NO.	11040000062				11040000063			
Width/Length/Height(NS35/7.5&NS35/15)	mm 5.2/68.2/48.75(56.25)				mm 5.2/68.2/48.75(56.25)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-1		UL UL1059	
Rated voltage	V 500		300		V 500		300	
Rated current	A 22		20		A 22		20	
Rated cross section	mm <sup>2</sup> /AWG 0.14-4		26-12		mm <sup>2</sup> /AWG 0.14-4		26-12	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.14-4	0.14-2.5	0.14-2.5	0.14-2.5	mm <sup>2</sup> 0.14-4	0.14-2.5	0.14-2.5	0.14-2.5
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> —	—	—	0.5	mm <sup>2</sup> —	—	—	0.5
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)				°C ( °F ) -40(-40)~105(221)			
Stripping length	mm 10-12				mm 10-12			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Grey, Red, Blue (please contact sales for other color requirements)			
<b>Accessories</b>								
Ferrule	/				/			
Slotted screwdriver size (Blade thickness x Width)	mm 0.6x3.5				mm 0.6x3.5			
Bridge (2-10P, 20P)	 DFB2-5.2 DFB3-5.2 DFB4-5.2 DFB5-5.2 DFB6-5.2 DFB7-5.2 DFB8-5.2 DFB9-5.2 DFB10-5.2 DFB20-5.2				 DFB2-5.2 DFB3-5.2 DFB4-5.2 DFB5-5.2 DFB6-5.2 DFB7-5.2 DFB8-5.2 DFB9-5.2 DFB10-5.2 DFB20-5.2			
End cover	 D-DSKK2.5				 D-DSKK2.5			
Partition plate	/				/			
Top marker	/				/			
Side marker	 ZK5 / ZSF5				 ZK5 / ZSF5			
Marker support	 DMTH5-2 / DMTH5-3				 DMTH5-2 / DMTH5-3			
Terminal strip marker support	 DLM2 / KLM3-20x8 / KLM3-44x8				 DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	 E-PC 1100A / E-WS N				 E-PC 1100A / E-WS N			

### Push-in connection technology

Feed-through, multi-conductor, multi-level, and ground terminal blocks

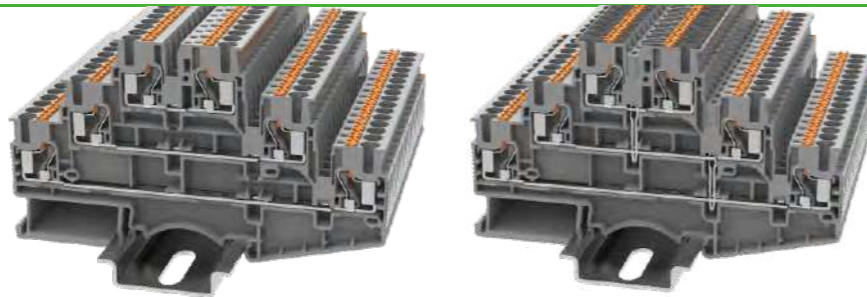


UL CE ENEC RoHS REACH

Order NO.	11040000099			
Width/Length/Height(NS35/7.5&NS35/15)	mm 5.2/68.2/48.75(56.25)			
<b>Electrical Data</b>	IEC IEC60947-7-2		UL UL1059	
Rated voltage	V /		/	
Rated current	A /		/	
Rated cross section	mm <sup>2</sup> /AWG 0.14-4		26-12	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.14-4	0.14-2.5	0.14-2.5	0.14-2.5
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> —	—	—	0.5
<b>General Information</b>				
Insulation material/Flammability rating (according to UL 94)	PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)			
Stripping length	mm 10-12			
Color	Yellow green mixed color			
<b>Accessories</b>				
Ferrule	/			
Slotted screwdriver size (Blade thickness x Width)	mm 0.6x3.5			
Bridge (2-10P, 20P)	 DFB2-5.2 DFB3-5.2 DFB4-5.2 DFB5-5.2 DFB6-5.2 DFB7-5.2 DFB8-5.2 DFB9-5.2 DFB10-5.2 DFB20-5.2			
End cover	 D-DSKK2.5			
Partition plate	/			
Top marker	/			
Side marker	 ZK5 / ZSF5			
Marker support	 DMTH5-2 / DMTH5-3			
Terminal strip marker support	 DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	 E-PC 1100A / E-WS N			

## Push-in connection technology

Feed-through, multi-conductor, multi-level, and ground terminal blocks

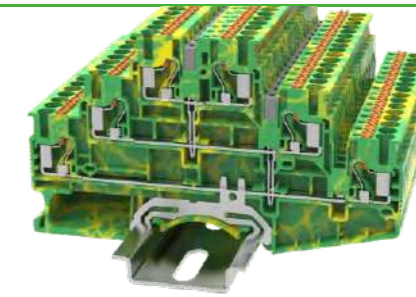

**DS2.5-3L**

**DS2.5-3L-PV**
**CE ENEC RoHS REACH**
**CE ENEC RoHS REACH**

Order NO.	11040000125				11040000128			
Width/Length/Height(NS35/7.5&NS35/15)	mm 5.2/102.00/60.75(68.25)				mm 5.2/102.00/60.75(68.25)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-1		UL UL1059	
Rated voltage	V 500		300		V 500		300	
Rated current	A 20		20		A 20		20	
Rated cross section	mm <sup>2</sup> /AWG 0.14-4		26-12		mm <sup>2</sup> /AWG 0.14-4		26-12	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.14-4	0.14-2.5	0.14-2.5	0.14-2.5	mm <sup>2</sup> 0.14-4	0.14-2.5	0.14-2.5	0.14-2.5
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> —	—	—	0.5	mm <sup>2</sup> —	—	—	0.5
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)				°C ( °F ) -40(-40)~105(221)			
Stripping length	mm 10-12				mm 10-12			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Grey, Red, Blue (please contact sales for other color requirements)			
<b>Accessories</b>								
Ferrule	/				/			
Slotted screwdriver size (Blade thickness x Width)	mm 0.6x3.5				mm 0.6x3.5			
Bridge (2-10P, 20P)	 DFB2-5.2 DFB3-5.2 DFB4-5.2 DFB5-5.2 DFB6-5.2 DFB7-5.2 DFB8-5.2 DFB9-5.2 DFB10-5.2 DFB20-5.2				 DFB2-5.2 DFB3-5.2 DFB4-5.2 DFB5-5.2 DFB6-5.2 DFB7-5.2 DFB8-5.2 DFB9-5.2 DFB10-5.2 DFB20-5.2			
End cover	 D-DS2.5-3L				 D-DS2.5-3L			
Partition plate	/				/			
Top marker	/				/			
Side marker	 ZK5 / ZSF5				 ZK5 / ZSF5			
Marker support	 DMTH5-2 / DMTH5-3				 DMTH5-2 / DMTH5-3			
Terminal strip marker support	 DLM2 / KLM3-20x8 / KLM3-44x8				 DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	 E-PC 1100A / E-WS N				 E-PC 1100A / E-WS N			

## Push-in connection technology

Feed-through, multi-conductor, multi-level, and ground terminal blocks

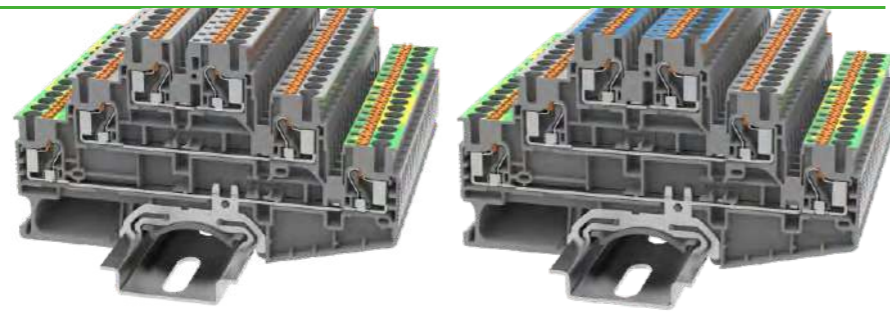

**DS2.5-3L-PE**
**CE ENEC RoHS REACH**

Order NO.	11040000129			
Width/Length/Height(NS35/7.5&NS35/15)	mm 5.2/102.00/60.75(68.25)			
<b>Electrical Data</b>	IEC IEC60947-7-2		UL UL1059	
Rated voltage	V /		/	
Rated current	A /		/	
Rated cross section	mm <sup>2</sup> /AWG 0.14-4		26-12	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.14-4	0.14-2.5	0.14-2.5	0.14-2.5
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> —	—	—	0.5
<b>General Information</b>				
Insulation material/Flammability rating (according to UL 94)	PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)			
Stripping length	mm 10-12			
Color	Yellow green mixed color			
<b>Accessories</b>				
Ferrule	/			
Slotted screwdriver size (Blade thickness x Width)	mm 0.6x3.5			
Bridge (2-10P, 20P)	 DFB2-5.2 DFB3-5.2 DFB4-5.2 DFB5-5.2 DFB6-5.2 DFB7-5.2 DFB8-5.2 DFB9-5.2 DFB10-5.2 DFB20-5.2			
End cover	 D-DS2.5-3L			
Partition plate	/			
Top marker	/			
Side marker	 ZK5 / ZSF5			
Marker support	 DMTH5-2 / DMTH5-3			
Terminal strip marker support	 DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	 E-PC 1100A / E-WS N			



### Push-in connection technology













Feed-through, multi-conductor, multi-level, and ground terminal blocks



CE ENEC RoHS REACH

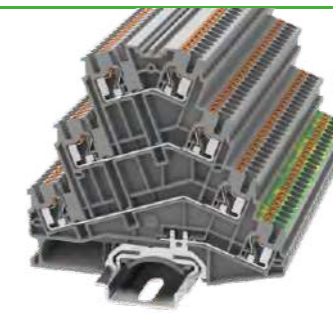


CE ENEC RoHS REACH








Order NO.	11040000142				11040000293			
Width/Length/Height(NS35/7.5&NS35/15)	mm 5.2/102.00/60.75(68.25)				mm 5.2/102.00/60.75(68.25)			
<b>Electrical Data</b>	IEC IEC60947-7-1 IEC60947-7-2		UL UL1059		IEC IEC60947-7-1 IEC60947-7-2		UL UL1059	
Rated voltage	V 500		300		V 500		300	
Rated current	A 20		20		A 20		20	
Rated cross section	mm <sup>2</sup> /AWG 0.14-4		26-12		mm <sup>2</sup> /AWG 0.14-4		26-12	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.14-4	0.14-2.5	0.14-2.5	0.14-2.5	mm <sup>2</sup> 0.14-4	0.14-2.5	0.14-2.5	0.14-2.5
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> —	—	—	0.5	mm <sup>2</sup> —	—	—	0.5
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)				°C ( °F ) -40(-40)~105(221)			
Stripping length	mm 10-12				mm 10-12			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Grey, Red, Blue (please contact sales for other color requirements)			
<b>Accessories</b>								
Ferrule	/				/			
Slotted screwdriver size (Blade thickness x Width)	mm 0.6x3.5				mm 0.6x3.5			
Bridge (2-10P, 20P)	 DFB2-5.2 DFB3-5.2 DFB4-5.2 DFB5-5.2 DFB6-5.2 DFB7-5.2 DFB8-5.2 DFB9-5.2 DFB10-5.2 DFB20-5.2				 DFB2-5.2 DFB3-5.2 DFB4-5.2 DFB5-5.2 DFB6-5.2 DFB7-5.2 DFB8-5.2 DFB9-5.2 DFB10-5.2 DFB20-5.2			
End cover	 D-DS2.5-3L				 D-DS2.5-3L			
Partition plate	/				/			
Top marker	/				/			
Side marker	 ZK5 / ZSF5				 ZK5 / ZSF5			
Marker support	 DMTH5-2 / DMTH5-3				 DMTH5-2 / DMTH5-3			
Terminal strip marker support	 DLM2 / KLM3-20x8 / KLM3-44x8				 DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	 E-PC 1100A / E-WS N				 E-PC 1100A / E-WS N			

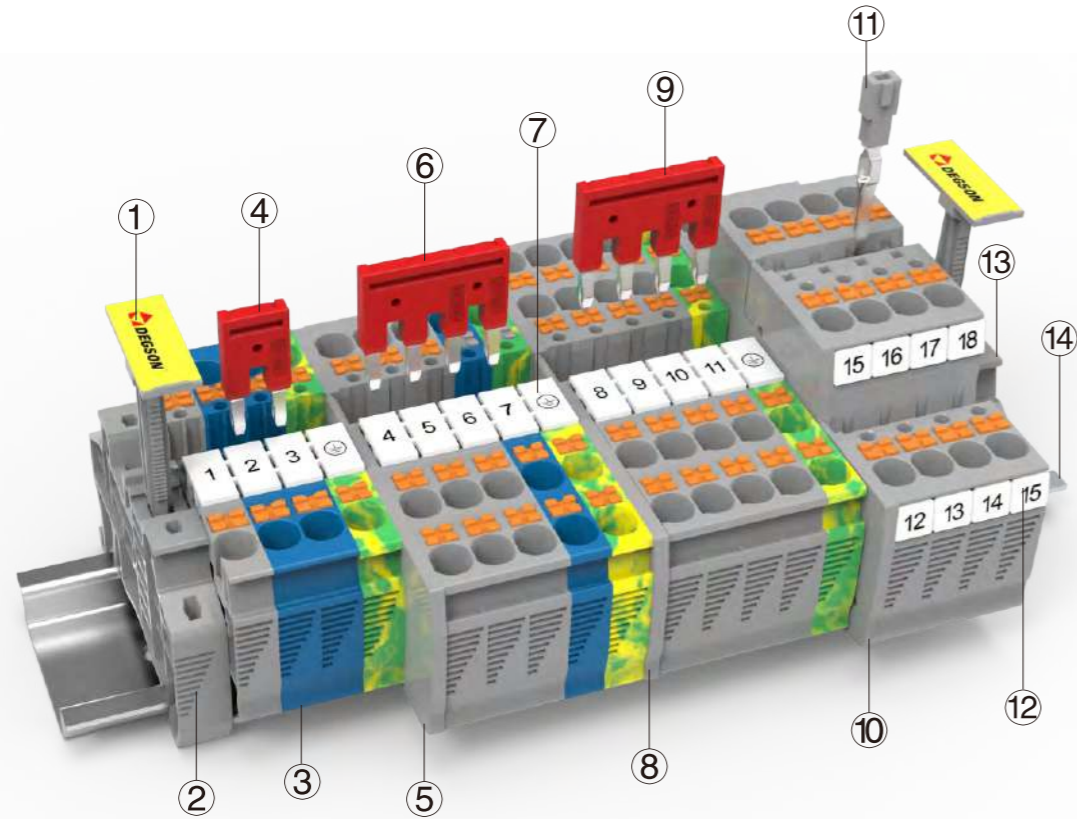
### Push-in connection technology

Feed-through, multi-conductor, multi-level, and ground terminal blocks



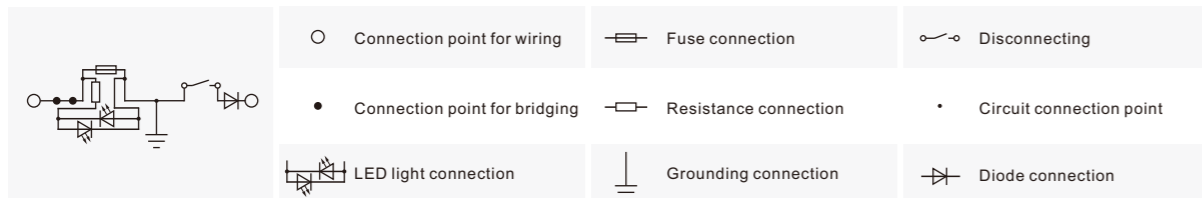
CE ENEC RoHS REACH

Order NO.	11040000188			
Width/Length/Height(NS35/7.5&NS35/15)	mm 5.2/99.4/92.6(100.1)			
<b>Electrical Data</b>	IEC IEC60947-7-1 IEC60947-7-2		UL UL1059	
Rated voltage	V 800		600	
Rated current	A 20		20	
Rated cross section	mm <sup>2</sup> /AWG 0.14-4		26-12	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.14-4	0.14-2.5	0.14-2.5	0.14-2.5
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> —	—	—	0.5
<b>General Information</b>				
Insulation material/Flammability rating (according to UL 94)	PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)			
Stripping length	mm 10-12			
Color	Grey, Red, Blue (please contact sales for other color requirements)			
<b>Accessories</b>				
Ferrule	/			
Slotted screwdriver size (Blade thickness x Width)	mm 0.6x3.5			
Bridge (2P, 3P, 10P)	 DFBS2-5.2 / DFBS3-5.2 / DFBS10-5.2			
End cover	 D-DS2.5-PE/3L			
Partition plate	/			
Top marker	 ZB5 / ZS5			
Side marker	 ZK5 / ZSF5			
Marker support	 DMTH5-2 / DMTH5-3			
Terminal strip marker support	 DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	 E-PC 1100A / E-WS N			



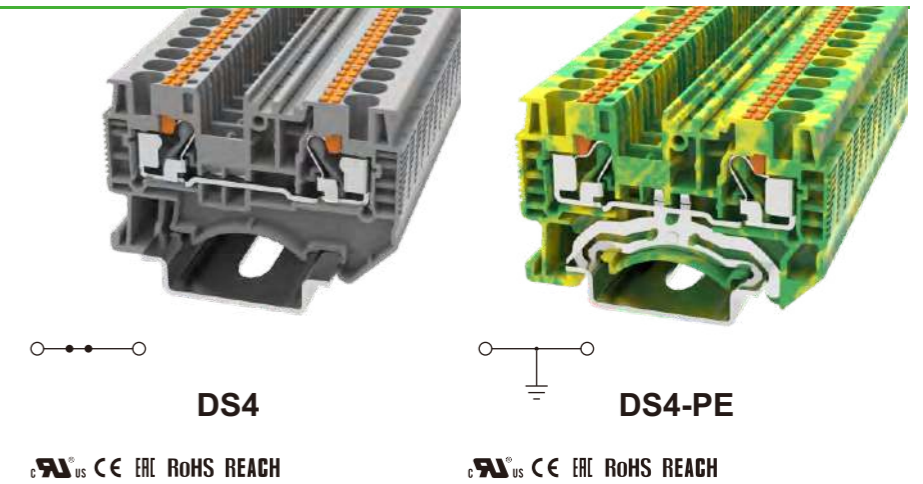
Description	Part No.	Remark
① Marker carrier	KLM3-20x8-11-00A(H)	Suitable for E-PC-1100A(H) & E-WS N
② End Clamp	E-WS N-01P-11-00A(H)	Fixing products on NS35 DIN rail
③ Terminal blocks	DS4-01P-11-00A(H)	Push-in type 4mm <sup>2</sup> DIN Rail terminal blocks
④ Pluggable bridges	DFB2-6.2-16-00A(H)	02P bridge, use for DS4 series
⑤ End cover	D-DS4-TW-01P-11-00A(H)	End cover is used for DS4-TW&DS4-TW-PE
⑥ Pluggable bridges	DFB4-6.2-16-00A(H)	04P bridge, use for DS4 series
⑦ Marker	ZB6-10P-19-00A(H)	Marker is used for the top of DS4 series
⑧ End cover	D-DS4-QU-01P-11-00A(H)	End cover is used for DS4-QU&DS4-QU-PE
⑨ Pluggable bridges	DFB4-6.2-16-00A(H)	04P bridge, use for DS4 series
⑩ End cover	D-DSKK4-01P-11-00A(H)	End cover is used for DSKK4&DSKK4-PE
⑪ Potential bridge	DPV2.5-01P-11-00A(H)	Vertical potential bridge, to connect the upper and lower level
⑫ Marker	ZK6-20P-19-00A(H)	Marker is used for the side of DS4 series
⑬ End Clamp	E-WS N-01P-11-00A(H)	Fixing products on NS35 DIN rail
⑭ DIN rail	NS35/7.5-0150-00A(H)	NS35 DIN rail

**Circuit diagram**



**Push-in connection technology**

Feed-through, multi-conductor, multi-level, and ground terminal blocks



Order NO.	11040000041			11040000047		
Width/Length/Height(NS35/7.5&NS35/15)	mm			6.2/55.6/36.8(44.3)		
Electrical Data	IEC IEC60947-7-1		UL UL1059	IEC IEC60947-7-2		UL UL1059
	Rated voltage	V	800	600	/	/
Rated current	A	32	30	/	/	
Rated cross section	mm <sup>2</sup> /AWG	0.2-6	24-10	0.2-6	24-10	
Connection capacity	Solid Stranded Ferrule (with and without plastic sleeve)			Solid Stranded Ferrule (with and without plastic sleeve)		
	1 conductor	mm <sup>2</sup>	0.2-6 0.2-4 0.2-4 0.2-4	0.2-6 0.2-4 0.2-4 0.2-4		
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup>	- - - 0.5-1	- - - 0.5-1			

General Information		
Insulation material/Flammability rating (according to UL 94)	PA/V0	
Operation temperatures	°C ( °F ) -40(-40)-105(221)	
Stripping length	mm 11-13	
Color	Grey, Red, Blue (please contact sales for other color requirements)	

Accessories		
Ferrule	/	
Slotted screwdriver size (Blade thickness x Width)	mm 0.6x3.5	
Bridge (2-10P)	DFB2-6.2 DFB3-6.2 DFB4-6.2 DFB5-6.2 DFB6-6.2 DFB7-6.2 DFB8-6.2 DFB9-6.2 DFB10-6.2	
End cover	D-DS4	
Partition plate	/	
Top marker	ZB6 / ZS6	
Side marker	ZK6 / ZSF6	
Marker support	/	
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8	
End clamp	E-PC 1100A / E-WS N	



## Push-in connection technology

Feed-through, multi-conductor, multi-level, and ground terminal blocks

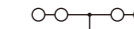

**DS4-TW**

**DS4-TW-PE**

Order NO.	11040000050				11040000051			
Width/Length/Height(NS35/7.5&NS35/15) mm	6.2/66.5/36.8(44.3)				6.2/66.5/36.8(44.3)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059	
Rated voltage V	800		600		/		/	
Rated current A	32		30		/		/	
Rated cross section mm <sup>2</sup> /AWG	0.2-6		24-10		0.2-6		24-10	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor mm <sup>2</sup>	0.2-6	0.2-4	0.2-4	0.2-4	0.2-6	0.2-4	0.2-4	0.2-4
2 flexible conductors with a TWIN ferrule mm <sup>2</sup>	—	—	—	0.5-1	—	—	—	0.5-1
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures °C ( °F )	-40(-40)~105(221)				-40(-40)~105(221)			
Stripping length mm	10-12				10-12			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Yellow green mixed color			
<b>Accessories</b>								
Ferrule	/				/			
Slotted screwdriver size (Blade thickness x Width) mm	0.6x3.5				0.6x3.5			
Bridge (2-10P)	DFB2-6.2 DFB3-6.2 DFB4-6.2 DFB5-6.2 DFB6-6.2 DFB7-6.2 DFB8-6.2 DFB9-6.2 DFB10-6.2				/			
End cover	D-DS4-TW				D-DS4-TW			
Partition plate	/				/			
Top marker	ZB6 / ZS6				ZB6 / ZS6			
Side marker	ZK6 / ZSF6				ZK6 / ZSF6			
Marker support	/				/			
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			

## Push-in connection technology

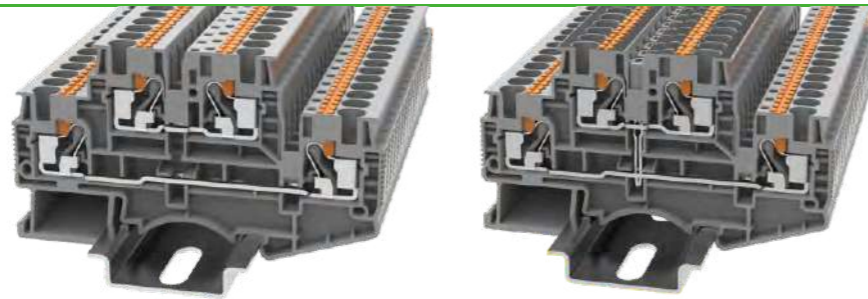
Feed-through, multi-conductor, multi-level, and ground terminal blocks


**DS4-QU**

**DS4-QU-PE**

Order NO.	11040000048				11040000049			
Width/Length/Height(NS35/7.5&NS35/15) mm	6.2/77/36.8(44.3)				6.2/77/36.8(44.3)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059	
Rated voltage V	800		600		/		/	
Rated current A	32		30		/		/	
Rated cross section mm <sup>2</sup> /AWG	0.2-6		24-10		0.2-6		24-10	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor mm <sup>2</sup>	0.2-6	0.2-4	0.2-4	0.2-4	0.2-6	0.2-4	0.2-4	0.2-4
2 flexible conductors with a TWIN ferrule mm <sup>2</sup>	—	—	—	0.5-1	—	—	—	0.5-1
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures °C ( °F )	-40(-40)~105(221)				-40(-40)~105(221)			
Stripping length mm	10-12				10-12			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Yellow green mixed color			
<b>Accessories</b>								
Ferrule	/				/			
Slotted screwdriver size (Blade thickness x Width) mm	0.6x3.5				0.6x3.5			
Bridge (2-10P)	DFB2-6.2 DFB3-6.2 DFB4-6.2 DFB5-6.2 DFB6-6.2 DFB7-6.2 DFB8-6.2 DFB9-6.2 DFB10-6.2				/			
End cover	D-DS4-QU				D-DS4-QU			
Partition plate	/				/			
Top marker	ZB6 / ZS6				ZB6 / ZS6			
Side marker	ZK6 / ZSF6				ZK6 / ZSF6			
Marker support	/				/			
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			

## Push-in connection technology






Feed-through, multi-conductor, multi-level, and ground terminal blocks



UL CE ENEC RoHS REACH

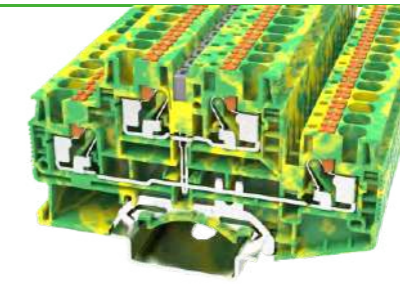


UL CE ENEC RoHS REACH






Order NO.	11040000064				11040000065			
Width/Length/Height(NS35/7.5&NS35/15) mm	6.2/83.5/48.75(56.25)				6.2/83.5/48.75(56.25)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-1		UL UL1059	
Rated voltage V	500		300		500		300	
Rated current A	32		28		32		28	
Rated cross section mm <sup>2</sup> /AWG	0.2-6		24-10		0.2-4		24-10	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor mm <sup>2</sup>	0.2-6	0.2-4	0.2-4	0.2-4	0.2-6	0.2-4	0.2-4	0.2-4
2 flexible conductors with a TWIN ferrule mm <sup>2</sup>	—	—	—	0.5-1	—	—	—	0.5-1
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures °C ( °F )	-40(-40)~105(221)				-40(-40)~105(221)			
Stripping length mm	11-13				11-13			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Grey, Red, Blue (please contact sales for other color requirements)			
<b>Accessories</b>								
Ferrule	/				/			
Slotted screwdriver size (Blade thickness x Width) mm	0.6x3.5				0.6x3.5			
Bridge (2-10P) 	DFB2-6.2 DFB3-6.2 DFB4-6.2 DFB5-6.2 DFB6-6.2 DFB7-6.2 DFB8-6.2 DFB9-6.2 DFB10-6.2		DFB2-6.2 DFB3-6.2 DFB4-6.2 DFB5-6.2 DFB6-6.2 DFB7-6.2 DFB8-6.2 DFB9-6.2 DFB10-6.2		DFB2-6.2 DFB3-6.2 DFB4-6.2 DFB5-6.2 DFB6-6.2 DFB7-6.2 DFB8-6.2 DFB9-6.2 DFB10-6.2		DFB2-6.2 DFB3-6.2 DFB4-6.2 DFB5-6.2 DFB6-6.2 DFB7-6.2 DFB8-6.2 DFB9-6.2 DFB10-6.2	
End cover 	D-DSKK4				D-DSKK4			
Partition plate	/				/			
Top marker	/				/			
Side marker 	ZK6				ZK6			
Marker support	/				/			
Terminal strip marker support 	DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp 	E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			

## Push-in connection technology

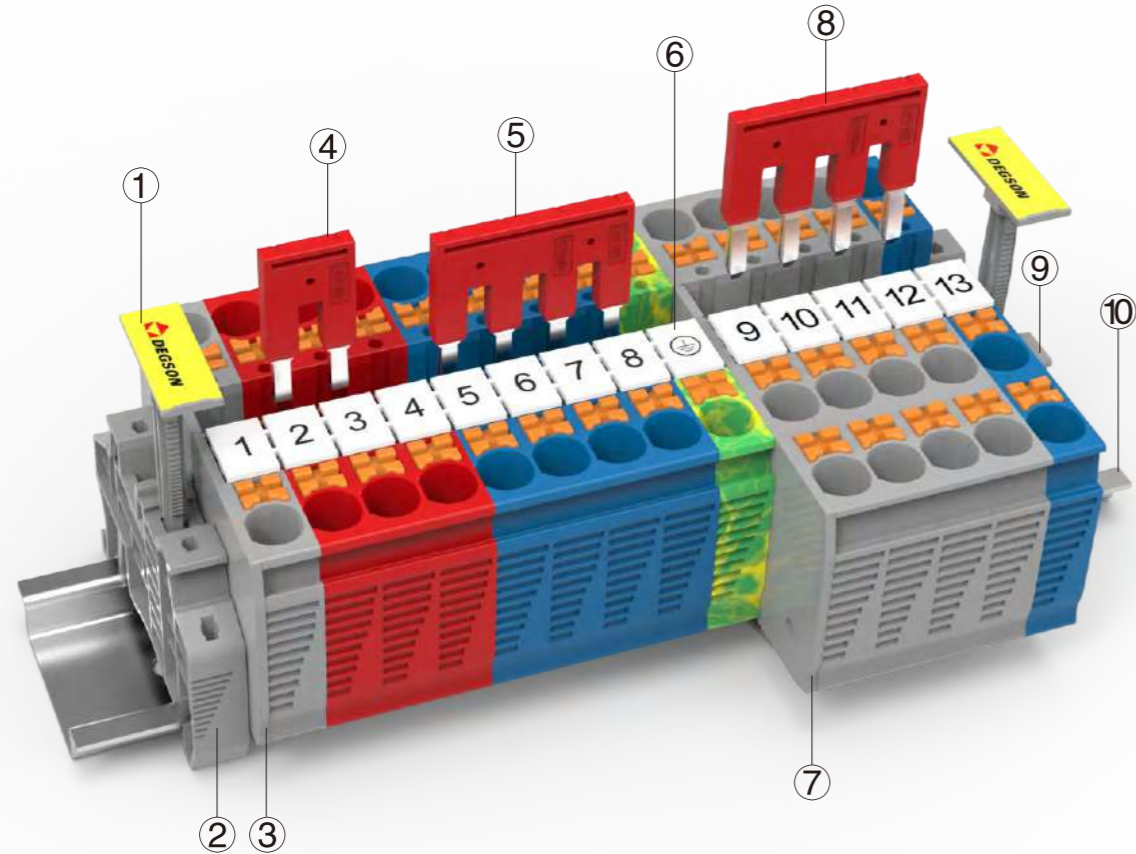
Feed-through, multi-conductor, multi-level, and ground terminal blocks



UL CE ENEC RoHS REACH

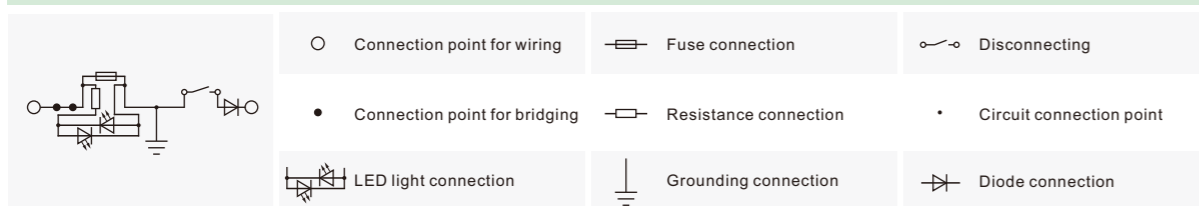
Order NO.	11040000144			
Width/Length/Height(NS35/7.5&NS35/15) mm	6.2/83.5/48.75(56.25)			
<b>Electrical Data</b>	IEC IEC60947-7-2		UL UL1059	
Rated voltage V	/		/	
Rated current A	/		/	
Rated cross section mm <sup>2</sup> /AWG	0.2-4		24-10	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor mm <sup>2</sup>	0.2-6	0.2-4	0.2-4	0.2-4
2 flexible conductors with a TWIN ferrule mm <sup>2</sup>	—	—	—	0.5-1
<b>General Information</b>				
Insulation material/Flammability rating (according to UL 94)	PA/V0			
Operation temperatures °C ( °F )	-40(-40)~105(221)			
Stripping length mm	11-13			
Color	Yellow green mixed color			
<b>Accessories</b>				
Ferrule	/			
Slotted screwdriver size (Blade thickness x Width) mm	0.6x3.5			
Bridge (2-10P) 	DFB2-6.2 DFB3-6.2 DFB4-6.2 DFB5-6.2 DFB6-6.2 DFB7-6.2 DFB8-6.2 DFB9-6.2 DFB10-6.2		DFB2-6.2 DFB3-6.2 DFB4-6.2 DFB5-6.2 DFB6-6.2 DFB7-6.2 DFB8-6.2 DFB9-6.2 DFB10-6.2	
End cover 	D-DSKK4			
Partition plate	/			
Top marker	/			
Side marker 	ZK6			
Marker support	/			
Terminal strip marker support 	DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp 	E-PC 1100A / E-WS N			





Description	Part No.	Remark
① Marker carrier	KLM3-20x8-11-00A(H)	Suitable for E-PC-1100A(H) & E-WS N
② End Clamp	E-WS N-01P-11-00A(H)	Fixing products on NS35 DIN rail
③ End cover	D-DS6-01P-11-00A(H)	End cover is used for DS6&DS6-PE
④ Pluggable bridges	DFB2-8.2-16-00A(H)	02P bridge, use for DS6 series
⑤ Pluggable bridges	DFB4-8.2-16-00A(H)	04P bridge, use for DS6 series
⑥ Marker	ZB8-10P-19-00A(H)	Marker is used for the top of DS6 series
⑦ End cover	D-DS6-TW-01P-11-00A(H)	End cover is used for DS6-TW&DS6-TW-PE
⑧ Pluggable bridges	DFB4-8.2-16-00A(H)	04P bridge, use for DS6 series
⑨ End Clamp	E-WS N-01P-11-00A(H)	Fixing products on NS35 DIN rail
⑩ DIN rail	NS35/7.5-0150-00A(H)	NS35 DIN rail

Circuit diagram



Push-in connection technology

Feed-through, multi-conductor and ground terminal blocks



DS6

UL CE ENE RoHS REACH



DS6-PE

UL CE ENE RoHS REACH

Order NO.	11040000052				11040000060					
Width/Length/Height(NS35/7.5&NS35/15)	mm 8.2/58/43.5(51)				8.2/58/43.5(51)					
Electrical Data	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059			
	Rated voltage	V	1000	600	/	/	/	/		
Rated current	A	41	50	/	/	/	/			
Rated cross section	mm <sup>2</sup> / AWG	0.5-10	20-8	0.5-10	20-8	0.5-10	20-8			
Connection capacity		Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)		
	1 conductor	mm <sup>2</sup>	0.5-10	0.5-10	0.5-6	0.5-6	0.5-10	0.5-10	0.5-6	0.5-6
	2 flexible conductors with a TWIN ferrule	mm <sup>2</sup>	-	-	-	0.5-2.5	-	-	-	0.5-2.5
<b>General Information</b>										
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0					
Operation temperatures	°C ( °F )	-40(-40)~105(221)				-40(-40)~105(221)				
Stripping length	mm	10-12				10-12				
Color	Grey, Red, Blue (please contact sales for other color requirements)				Yellow green mixed color					

Accessories

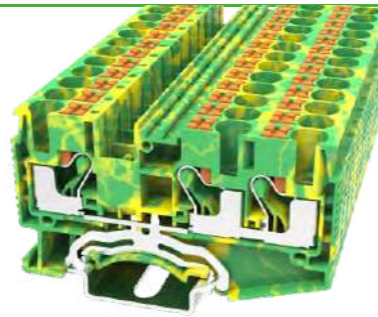
Ferrule	/	/
Slotted screwdriver size (Blade thickness x Width)	mm 0.8x4	0.8x4
Bridge (2-10P)	DFB2-8.2 DFB3-8.2 DFB4-8.2 DFB5-8.2 DFB6-8.2 DFB7-8.2 DFB8-8.2 DFB9-8.2 DFB10-8.2	/
End cover	D-DS6	D-DS6
Partition plate	/	/
Top marker	ZB8 / ZS8	ZB8 / ZS8
Side marker	ZSF8	ZSF8
Marker support	/	/
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8	DLM2 / KLM3-20x8 / KLM3-44x8
End clamp	E-PC 1100A / E-WS N	E-PC 1100A / E-WS N

## Push-in connection technology

Feed-through, multi-conductor and ground terminal blocks


**DS6-TW**

CE ENE RoHS REACH


**DS6-TW-PE**

CE ENE RoHS REACH

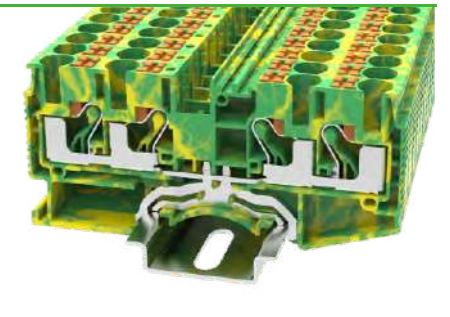
Order NO.	11040000091				11040000147			
Width/Length/Height(NS35/7.5&NS35/15)	mm 8.2/74.2/43.5(51)				mm 8.2/74.2/43.5(51)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059	
Rated voltage	V 1000		600		/		/	
Rated current	A 41		40		/		/	
Rated cross section	mm <sup>2</sup> /AWG 0.5-10		20-8		0.5-10		20-8	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.5-10	0.5-10	0.5-6	0.5-6	0.5-10	0.5-10	0.5-6	0.5-6
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> -	-	-	0.5-2.5	-	-	-	0.5-2.5
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)				-40(-40)~105(221)			
Stripping length	mm 10-12				10-12			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Yellow green mixed color			
<b>Accessories</b>								
Ferrule	/				/			
Slotted screwdriver size (Blade thickness x Width)	mm 0.8x4				0.8x4			
Bridge (2-10P)	DFB2-8.2 DFB3-8.2 DFB4-8.2 DFB5-8.2 DFB6-8.2 DFB7-8.2 DFB8-8.2 DFB9-8.2 DFB10-8.2				/			
End cover	D-DS6-TW				D-DS6-TW			
Partition plate	/				/			
Top marker	ZB8 / ZS8				ZB8 / ZS8			
Side marker	ZSF8				ZSF8			
Marker support	/				/			
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			

## Push-in connection technology

Feed-through, multi-conductor and ground terminal blocks


**DS6-QU**

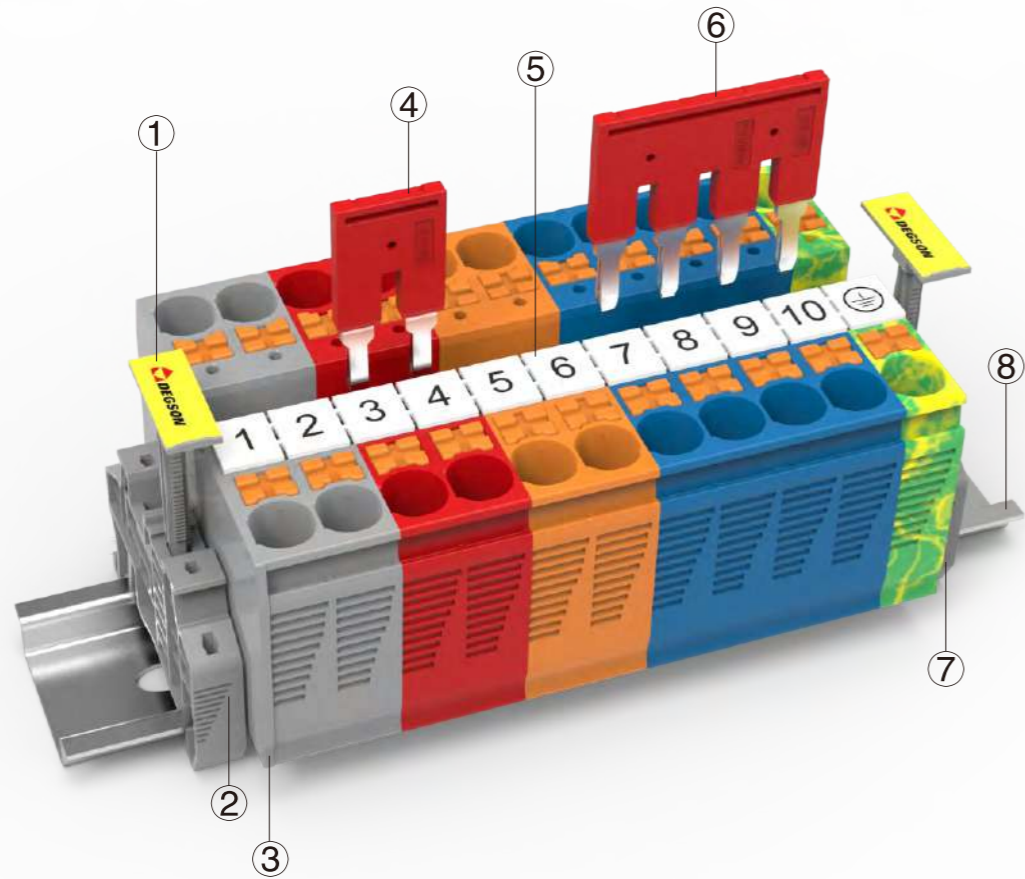
CE ENE RoHS REACH


**DS6-QU-PE**

CE ENE RoHS REACH

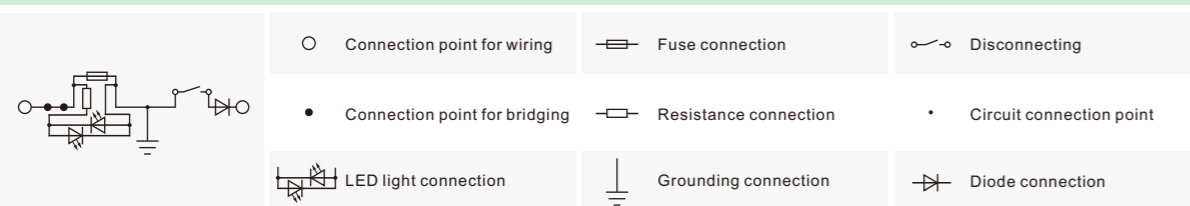
Order NO.	11040000145				11040000146			
Width/Length/Height(NS35/7.5&NS35/15)	mm 8.2/90.4/43.5(51)				mm 8.2/90.4/43.5(51)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059	
Rated voltage	V 1000		600		/		/	
Rated current	A 41		40		/		/	
Rated cross section	mm <sup>2</sup> /AWG 0.5-10		20-8		0.5-10		20-8	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.5-10	0.5-10	0.5-6	0.5-6	0.5-10	0.5-10	0.5-6	0.5-6
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> -	-	-	0.5-2.5	-	-	-	0.5-2.5
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)				-40(-40)~105(221)			
Stripping length	mm 12				12			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Yellow green mixed color			
<b>Accessories</b>								
Ferrule	/				/			
Slotted screwdriver size (Blade thickness x Width)	mm 0.8x4				0.8x4			
Bridge (2-10P)	DFB2-8.2 DFB3-8.2 DFB4-8.2 DFB5-8.2 DFB6-8.2 DFB7-8.2 DFB8-8.2 DFB9-8.2 DFB10-8.2				/			
End cover	D-DS6-QU				D-DS6-QU			
Partition plate	/				/			
Top marker	ZB8 / ZS8				ZB8 / ZS8			
Side marker	ZSF8				ZSF8			
Marker support	/				/			
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			





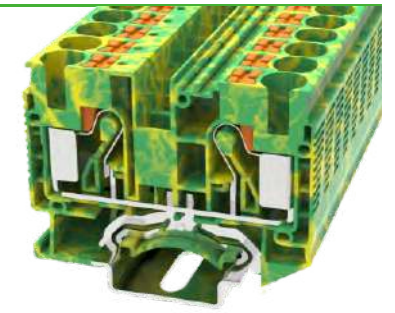
Description	Part No.	Remark
① Marker carrier	KLM3-20x8-11-00A(H)	Suitable for E-PC-1100A(H) & E-WS N
② End Clamp	E-WS N-01P-11-00A(H)	Fixing products on NS35 DIN rail
③ End cover	D-DS10-01P-11-00A(H)	End cover is used for DS10&DS10-PE
④ Pluggable bridges	DFB2-10.2-16-00A(H)	02P bridge, use for DS10 series
⑤ Marker	ZB10-10P-19-00A(H)	Marker is used for the top of DS10 series
⑥ Pluggable bridges	DFB4-10.2-16-00A(H)	04P bridge, use for DS10 series
⑦ End Clamp	E-WS N-01P-11-00A(H)	Fixing products on NS35 DIN rail
⑧ DIN rail	NS35/7.5-0150-00A(H)	NS35 DIN rail

Circuit diagram



Push-in connection technology

Feed-through, multi-conductor and ground terminal blocks



DS10



DS10-PE

UL CE ENE RoHS REACH

UL CE ENE RoHS REACH

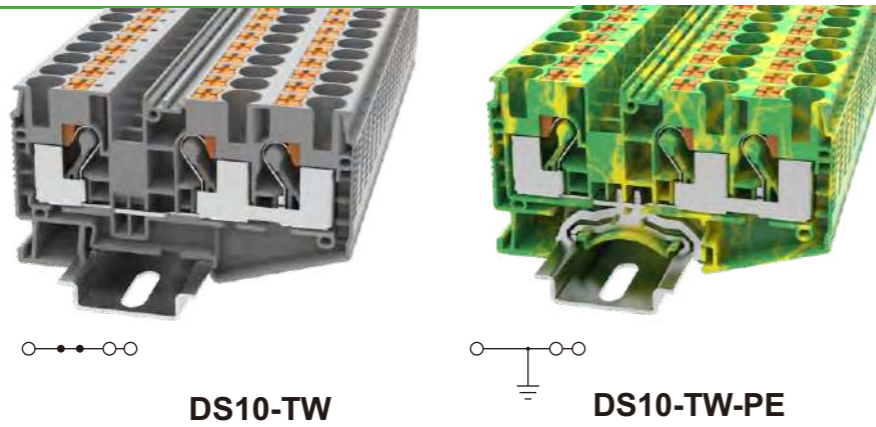
Order NO.	1104000001				1104000009			
Width/Length/Height(NS35/7.5&NS35/15)	mm 10.2/67.7/51.1(58.6)				mm 10.2/67.7/51.1(58.6)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059	
Rated voltage	V 1000		600		/		/	
Rated current	A 57		60		/		/	
Rated cross section	mm <sup>2</sup> /AWG 0.5-16		20-6		0.5-16		20-6	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.5-16	0.5-10	0.5-10	0.5-10	0.5-16	0.5-10	0.5-10	0.5-10
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> —	—	—	1.5-4	—	—	—	1.5-4
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)				-40(-40)~105(221)			
Stripping length	mm 16-18				16-18			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Yellow green mixed color			

Accessories

Ferrule	/	/
Slotted screwdriver size (Blade thickness x Width)	mm 1x5.5	1x5.5
Bridge (2-10P)	DFB2-10.2 DFB3-10.2 DFB4-10.2 DFB5-10.2 DFB6-10.2 DFB7-10.2 DFB8-10.2 DFB9-10.2 DFB10-10.2	/
End cover	D-DS10	D-DS10
Partition plate	/	/
Top marker	ZB10 / ZS10	ZB10 / ZS10
Side marker	ZSF10	ZSF10
Marker support	/	/
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8	DLM2 / KLM3-20x8 / KLM3-44x8
End clamp	E-PC 1100A / E-WS N	E-PC 1100A / E-WS N

### Push-in connection technology

Feed-through, multi-conductor and ground terminal blocks



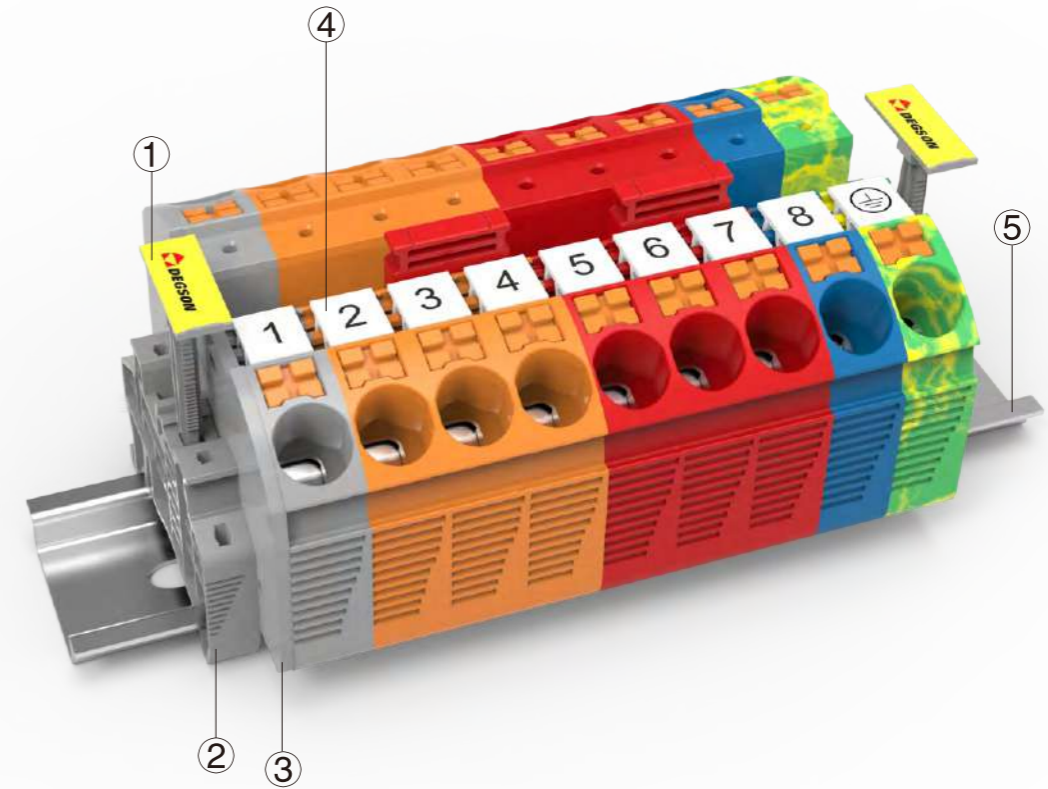
CE ENEC RoHS REACH

CE ENEC RoHS REACH

Order NO.	11040000148				11040000149			
Width/Length/Height(NS35/7.5&NS35/15)	mm 10.2/88.9/51.1(58.6)				mm 10.2/88.9/51.1(58.6)			
Electrical Data	IEC		UL		IEC		UL	
	IEC60947-7-1		UL1059		IEC60947-7-2		UL1059	
Rated voltage	V	1000	600	/	/	/	/	
Rated current	A	57	60	/	/	/	/	
Rated cross section	mm <sup>2</sup> /AWG	0.5-16	20-6	0.5-16	20-6	0.5-16	20-6	
Connection capacity		Solid	Stranded	Ferrule (with and without plastic sleeve)	Solid	Stranded	Ferrule (with and without plastic sleeve)	
	1 conductor	mm <sup>2</sup>	0.5-16	0.5-10	0.5-10	0.5-10	0.5-10	
	2 flexible conductors with a TWIN ferrule	mm <sup>2</sup>	-	-	-	1.5-4	-	

General Information			
Insulation material/Flammability rating (according to UL 94)		PA/V0	PA/V0
Operation temperatures	°C ( °F )	-40(-40)~105(221)	-40(-40)~105(221)
Stripping length	mm	16-18	16-18
Color		Grey, Red, Blue (please contact sales for other color requirements)	Yellow green mixed color

Accessories			
Ferrule		/	/
Slotted screwdriver size (Blade thickness x Width)	mm	1x5.5	1x5.5
Bridge (2-10P)		DFB2-10.2 DFB3-10.2 DFB4-10.2 DFB5-10.2 DFB6-10.2 DFB7-10.2 DFB8-10.2 DFB9-10.2 DFB10-10.2	/
End cover		D-DS10-TW	D-DS10-TW
Partition plate		/	/
Top marker		ZB10 / ZS10	ZB10 / ZS10
Side marker		ZSF10	ZSF10
Marker support		/	/
Terminal strip marker support		DLM2 / KLM3-20x8 / KLM3-44x8	DLM2 / KLM3-20x8 / KLM3-44x8
End clamp		E-PC 1100A / E-WS N	E-PC 1100A / E-WS N



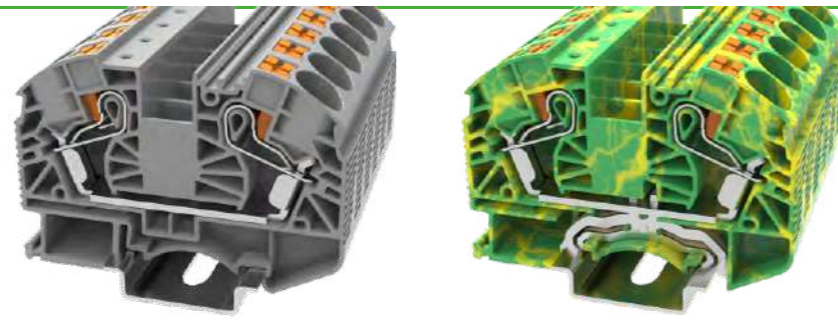
Description	Part No.	Remark
① Marker carrier	KLM3-20x8-11-00A(H)	Suitable for E-PC-1100A(H) & E-WS N
② End Clamp	E-WS N-01P-11-00A(H)	Fixing products on NS35 DIN rail
③ End cover	D-DS16-01P-11-00A(H)	End cover is used for DS16&DS16-PE
④ Marker	ZT12-10P-19-00A(H)	Marker is used for the top of DS16 series
⑤ DIN rail	NS35/7.5-0150-00A(H)	NS35 DIN rail

Circuit diagram			
	○ Connection point for wiring	⊞ Fuse connection	⊞ Disconnecting
	• Connection point for bridging	⊞ Resistance connection	• Circuit connection point
	LED light connection	⊞ Grounding connection	Diode connection









## Push-in connection technology

Feed-through and ground terminal blocks

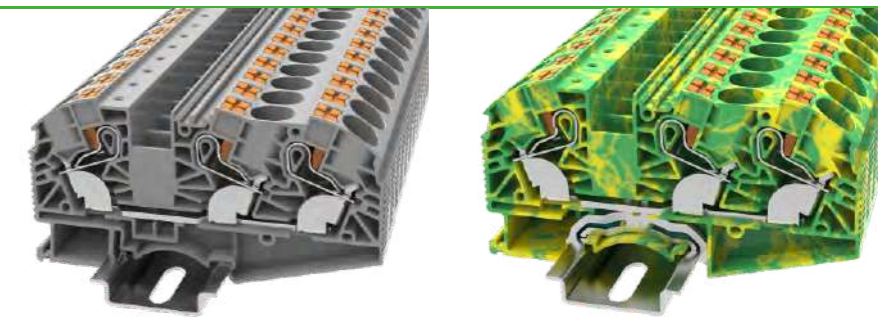

**DS16**
**CE ENEC RoHS REACH**

**DS16-PE**
**CE ENEC RoHS REACH**







Order NO.	11040000069				11040000070			
Width/Length/Height(NS35/7.5&NS35/15)	mm 12.2/75.4/53.26(60.76)				mm 12.2/75.4/53.26(60.76)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059	
Rated voltage	V 1000		600		/		/	
Rated current	A 76		85		/		/	
Rated cross section	mm <sup>2</sup> /AWG 0.5-25		20-4		0.5-25		20-4	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.5-25	0.5-16	0.5-16	0.5-16	0.5-25	0.5-16	0.5-16	0.5-16
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> —	—	—	1.5-4	—	—	—	1.5-4
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)				-40(-40)~105(221)			
Stripping length	mm 18				18			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Yellow green mixed color			
<b>Accessories</b>								
Ferrule	/				/			
Slotted screwdriver size (Blade thickness x Width)	mm 1x5.5				1x5.5			
Bridge (2P)	 DFB2-12.2				/			
End cover	 D-DS16				D-DS16			
Partition plate	/				/			
Top marker	 ZT12 / ZS12				ZT12 / ZS12			
Side marker	 ZSF12				ZSF12			
Marker support	/				/			
Terminal strip marker support	 DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	 E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			

## Push-in connection technology

Feed-through and ground terminal blocks

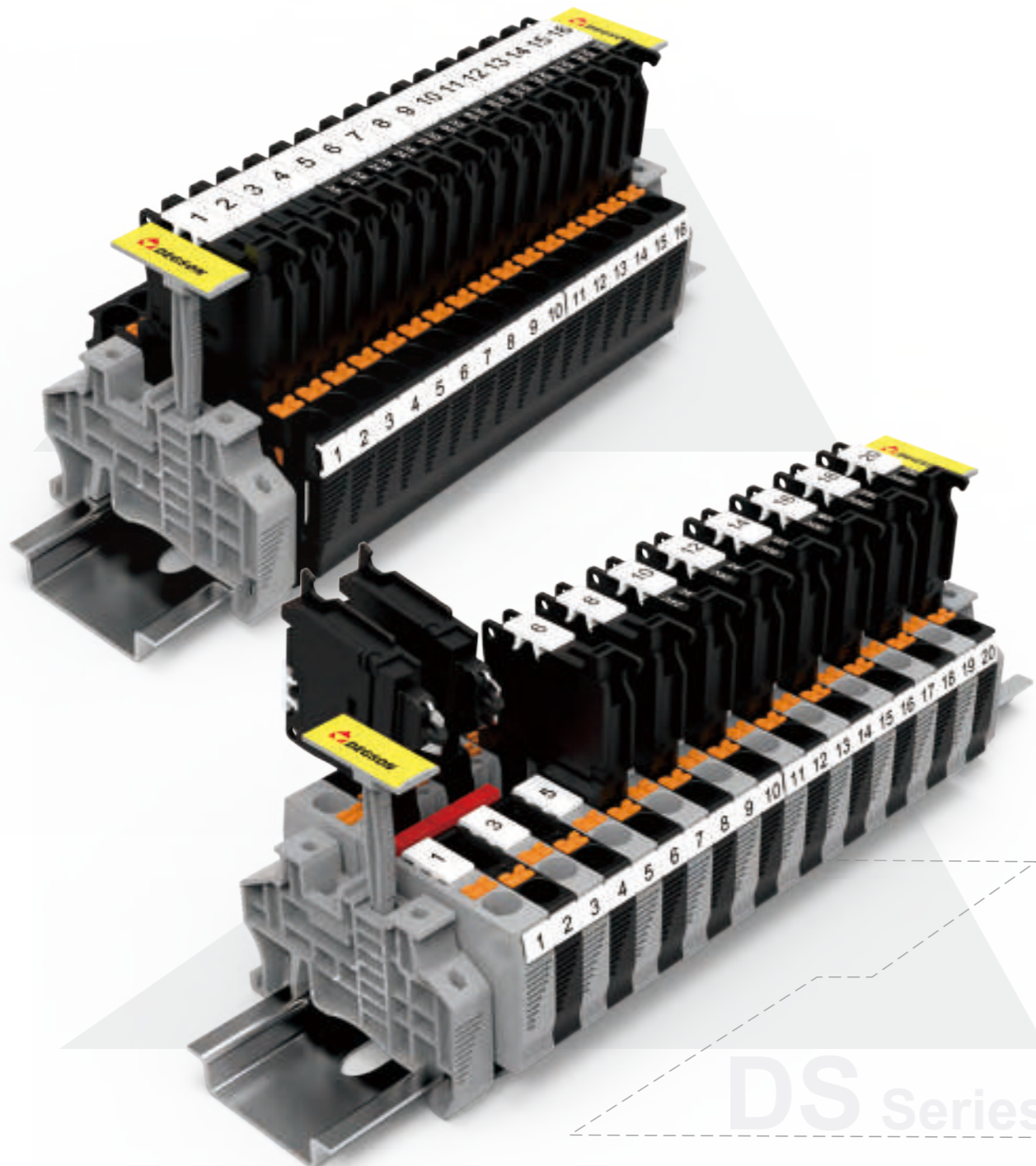

**DS16-TW**
**CE ENEC RoHS REACH**

**DS16-TW-PE**
**CE ENEC RoHS REACH**

Order NO.	11040000193				11040000192			
Width/Length/Height(NS35/7.5&NS35/15)	mm 12.2/100.4/53.25 ( 60.75 )				mm 12.2/100.4/53.25 ( 60.75 )			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059	
Rated voltage	V 1000		600		/		/	
Rated current	A 76		85		/		/	
Rated cross section	mm <sup>2</sup> /AWG 0.5-25		20-4		0.5-25		20-4	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.5-25	0.5-16	0.5-16	0.5-16	0.5-25	0.5-16	0.5-16	0.5-16
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> —	—	—	1.5-4	—	—	—	1.5-4
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)				-40(-40)~105(221)			
Stripping length	mm 18				18			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Yellow green mixed color			
<b>Accessories</b>								
Ferrule	/				/			
Slotted screwdriver size (Blade thickness x Width)	mm 1x5.5				1x5.5			
Bridge (2P)	 DFB2-12.2				/			
End cover	 D-DS16-TW				D-DS16-TW			
Partition plate	/				/			
Top marker	 ZT12 / ZS12				ZT12 / ZS12			
Side marker	 ZSF12				ZSF12			
Marker support	/				/			
Terminal strip marker support	 DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	 E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			

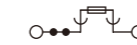
## DS Fuse Terminal Blocks

- DS Fuse terminal blocks can reach tool free wiring with the Push-in connection technology; Easy to remove the cable by push the orange button
- Snap-on fuse box for easy fuse replacement
- Equipped with LED indicator for quick identification of fusing status
- Double-channel bridging design and 2-20 poles bridges reach the flexible distribution of potentials
- Equipped with test hole on the wiring position, easy to test the circuit

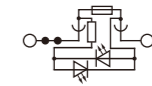


## Push-in connection technology

Fuse terminal blocks









DS4-HE



DS4-HE-LD24

CE ENEC RoHS REACH

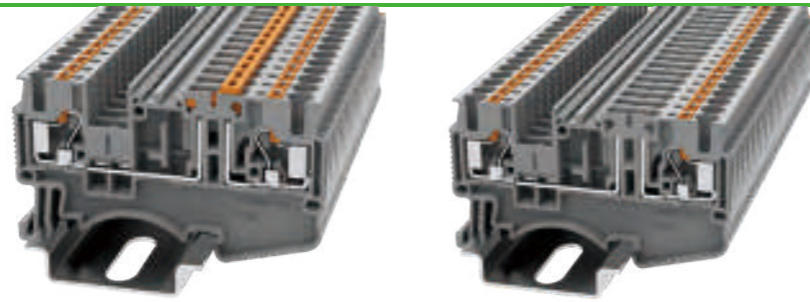
CE ENEC RoHS REACH

Order NO.	11040000163				11040000162			
Width/Length/Height(NS35/7.5&NS35/15)	mm 6.2/55.6/36.8(44.3)				mm 6.2/55.6/36.8(44.3)			
<b>Electrical Data</b>	IEC IEC60947-7-3		UL UL1059		IEC IEC60947-7-3			
Rated voltage	V 400		300		24 (Led voltage range 12-30V)			
Rated current	A 6.3		6.3		6.3			
Rated cross section	mm <sup>2</sup> /AWG 0.2-6		24-10		0.2-6		24-10	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.2-6	0.2-4	0.2-4	0.2-4	0.2-6	0.2-4	0.2-4	0.2-4
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> -	-	-	0.5-1	-	-	-	0.5-1
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)				-40(-40)~105(221)			
Stripping length	mm 11-13				11-13			
Color	Black (please contact sales for other color requirements)				Black (please contact sales for other color requirements)			
<b>Accessories</b>								
Ferrule	/				/			
Slotted screwdriver size (Blade thickness x Width)	mm 0.6x3.5				0.6x3.5			
Bridge (2-10P)	 DFB2-6.2 DFB3-6.2 DFB4-6.2 DFB5-6.2 DFB6-6.2 DFB7-6.2 DFB8-6.2 DFB9-6.2 DFB10-6.2				DFB2-6.2 DFB3-6.2 DFB4-6.2 DFB5-6.2 DFB6-6.2 DFB7-6.2 DFB8-6.2 DFB9-6.2 DFB10-6.2			
End cover	 D-DS4-HE				D-DS4-HE			
Partition plate	/				/			
Top marker	 ZB6 / ZS6				ZB6 / ZS6			
Side marker	 ZK6 / ZSF6				ZK6 / ZSF6			
Marker support	/				/			
Terminal strip marker support	 DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	 E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			



## Push-in connection technology

Disconnect terminal blocks


**DS2.5-MT**

**DS2.5-TG**

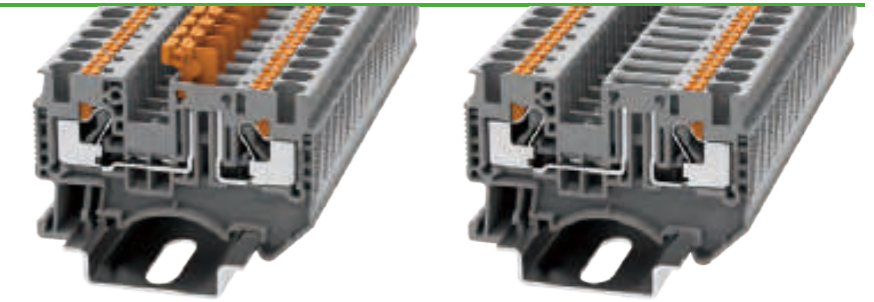
CE ENEC RoHS REACH

CE ENEC RoHS REACH

Order NO.	11040000201				11040000207			
Width/Length/Height(NS35/7.5&NS35/15)	mm 5.2/62/36.75(44.25)				mm 5.2/62/36.75(44.25)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-1		UL UL1059	
Rated voltage	V 400		300		V 400		300	
Rated current	A 20		20		A 20		20	
Rated cross section	mm <sup>2</sup> /AWG 0.14-4		26-12		mm <sup>2</sup> /AWG 0.14-4		26-12	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.14-4	0.14-2.5	0.14-2.5	0.14-2.5	mm <sup>2</sup> 0.14-4	0.14-2.5	0.14-2.5	0.14-2.5
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> —	—	—	0.5	mm <sup>2</sup> —	—	—	0.5
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)				°C ( °F ) -40(-40)~105(221)			
Stripping length	mm 10-12				mm 10-12			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Grey, Red, Blue (please contact sales for other color requirements)			
<b>Accessories</b>								
Matching accessories	/				DS-DI / DS-CO / DS-FU5 / DS-FU5-LD24			
Slotted screwdriver size (Blade thickness x Width)	mm 0.6x3.5				mm 0.6x3.5			
Bridge (2-10 20P)	DFB2-5.2 DFB3-5.2 DFB4-5.2 DFB5-5.2 DFB6-5.2 DFB7-5.2 DFB8-5.2 DFB9-5.2 DFB10-5.2 DFB20-5.2				DFB2-5.2 DFB3-5.2 DFB4-5.2 DFB5-5.2 DFB6-5.2 DFB7-5.2 DFB8-5.2 DFB9-5.2 DFB10-5.2 DFB20-5.2			
End cover	D-DS2.5-MT				D-DS2.5-MT			
Partition plate	/				/			
Top marker	ZB5 / ZS5				ZB5 / ZS5			
Side marker	ZK5 / ZSF5				ZK5 / ZSF5			
Marker support	DTH5-25x5 / DTH5-25x12				/			
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			

## Push-in connection technology

Disconnect terminal blocks


**DS4-MT**

**DS4-TG**

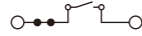
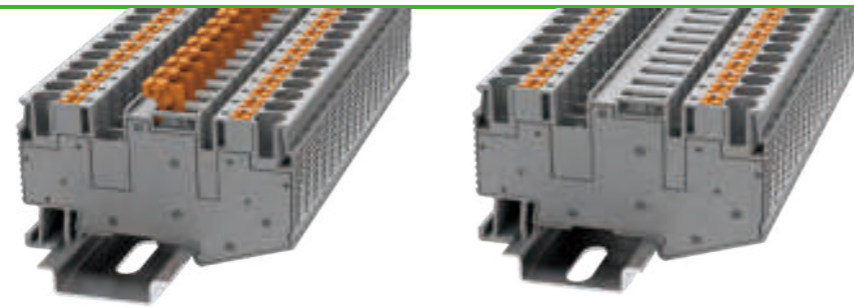
CE ENEC RoHS REACH

CE ENEC RoHS REACH

Order NO.	11040000213				11040000212			
Width/Length/Height(NS35/7.5&NS35/15)	mm 6.2/55.6/36.75(44.25)				mm 6.2/55.6/36.75(44.25)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-1		UL UL1059	
Rated voltage	V 500		300		V 500		300	
Rated current	A 20		20		A 20		20	
Rated cross section	mm <sup>2</sup> /AWG 0.2-6		24-10		mm <sup>2</sup> /AWG 0.2-6		24-10	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.2-6	0.2-4	0.2-4	0.2-4	mm <sup>2</sup> 0.2-6	0.2-4	0.2-4	0.2-4
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> —	—	—	0.5-1	mm <sup>2</sup> —	—	—	0.5-1
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)				°C ( °F ) -40(-40)~105(221)			
Stripping length	mm 11-13				mm 11-13			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Grey, Red, Blue (please contact sales for other color requirements)			
<b>Accessories</b>								
Matching accessories	/				DS-DI / DS-CO / DS-FU5 / DS-FU5-LD24			
Slotted screwdriver size (Blade thickness x Width)	mm 0.6x3.5				mm 0.6x3.5			
Bridge (2-10P)	DFB2-6.2 DFB3-6.2 DFB4-6.2 DFB5-6.2 DFB6-6.2 DFB7-6.2 DFB8-6.2 DFB9-6.2 DFB10-6.2				DFB2-6.2 DFB3-6.2 DFB4-6.2 DFB5-6.2 DFB6-6.2 DFB7-6.2 DFB8-6.2 DFB9-6.2 DFB10-6.2			
End cover	D-DS4-HE				D-DS4-HE			
Partition plate	/				/			
Top marker	/				/			
Side marker	ZK6				ZK6			
Marker support	/				/			
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			

## Push-in connection technology

Disconnect terminal blocks



DS6-MT



DS6-TG

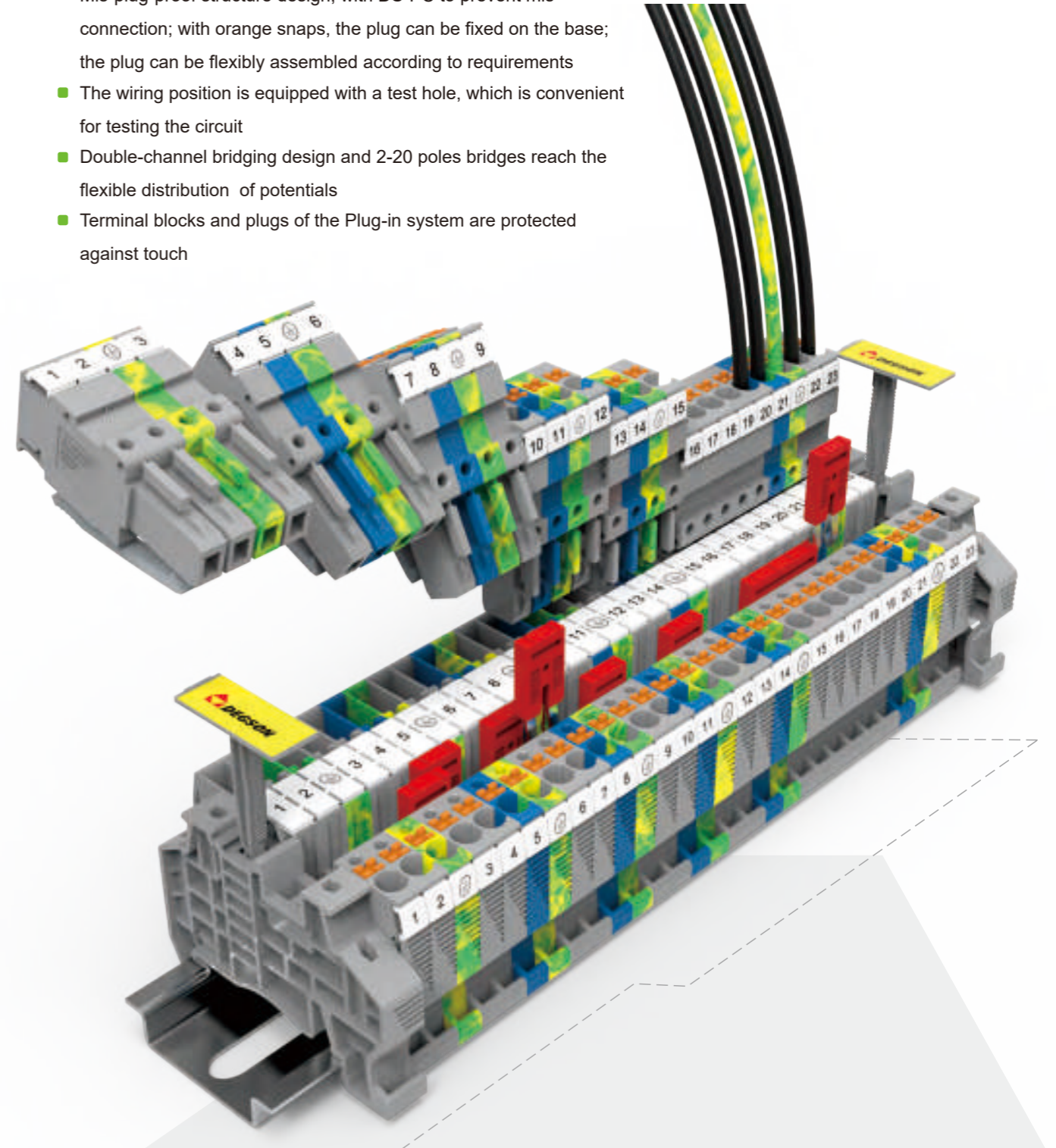
CE ENEC RoHS REACH

CE ENEC RoHS REACH

Order NO.	11040000205				11040000204			
Width/Length/Height(NS35/7.5&NS35/15)	mm 8.2/74.2/43.5(51)				mm 8.2/74.2/43.5(51)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-1		UL UL1059	
Rated voltage	V 500		V 300		V 500		V 300	
Rated current	A 20		A 20		A 20		A 20	
Rated cross section	mm <sup>2</sup> /AWG 0.5-10		mm <sup>2</sup> /AWG 20-8		mm <sup>2</sup> /AWG 0.5-10		mm <sup>2</sup> /AWG 20-8	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.5-10	mm <sup>2</sup> 0.5-6	mm <sup>2</sup> 0.5-6	mm <sup>2</sup> 0.5-6	mm <sup>2</sup> 0.5-10	mm <sup>2</sup> 0.5-6	mm <sup>2</sup> 0.5-6	mm <sup>2</sup> 0.5-6
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> —	mm <sup>2</sup> —	mm <sup>2</sup> —	mm <sup>2</sup> 0.5-2.5	mm <sup>2</sup> —	mm <sup>2</sup> —	mm <sup>2</sup> —	mm <sup>2</sup> 0.5-2.5
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)				°C ( °F ) -40(-40)~105(221)			
Stripping length	mm 10-12				mm 10-12			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Grey, Red, Blue (please contact sales for other color requirements)			
<b>Accessories</b>								
Matching accessories	/				DS-DI / DS-CO / DS-FU5 / DS-FU5-LD24			
Slotted screwdriver size (Blade thickness x Width)	mm 0.8x4				mm 0.8x4			
Bridge (2-10P)	DFB2-8.2 DFB3-8.2 DFB4-8.2 DFB5-8.2 DFB6-8.2		DFB7-8.2 DFB8-8.2 DFB9-8.2 DFB10-8.2		DFB2-8.2 DFB3-8.2 DFB4-8.2 DFB5-8.2 DFB6-8.2		DFB7-8.2 DFB8-8.2 DFB9-8.2 DFB10-8.2	
End cover	/				/			
Partition plate	/				/			
Top marker	ZSF8				ZSF8			
Side marker	ZSF8				ZSF8			
Marker support	/				/			
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			

## DS Plug-in Terminal Blocks

- Plug-in pluggable wiring system, which can be quickly installed and disassembled to realize modularization of circuit connection
- Mis-plug-proof structure design, with DS-PC to prevent mis-connection; with orange snaps, the plug can be fixed on the base; the plug can be flexibly assembled according to requirements
- The wiring position is equipped with a test hole, which is convenient for testing the circuit
- Double-channel bridging design and 2-20 poles bridges reach the flexible distribution of potentials
- Terminal blocks and plugs of the Plug-in system are protected against touch

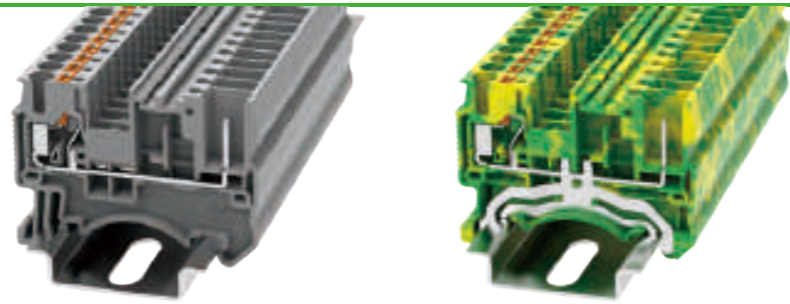


DS Series



### Push-in connection technology

Plug-in terminal blocks



DS2.5/1P

CE ENEC RoHS REACH



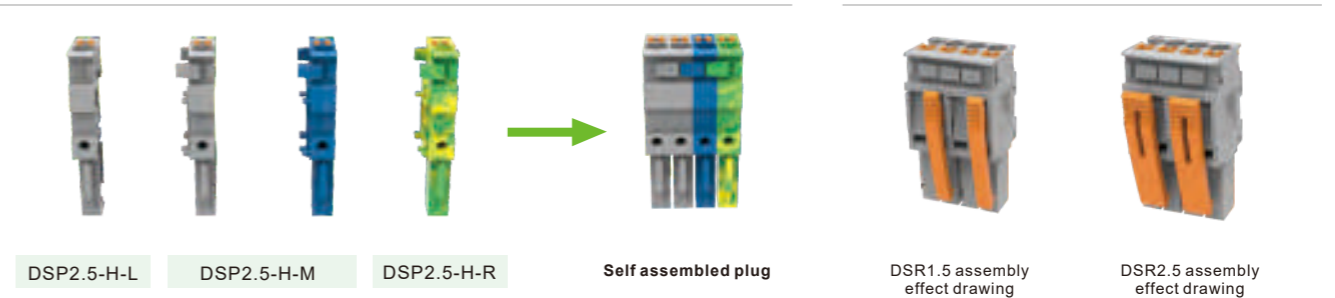
DS2.5/1P-PE

CE ENEC RoHS REACH

Order NO.	11040000240				11040000241			
Width/Length/Height(NS35/7.5&NS35/15)	mm 5.2/48.6/36.75(44.25)				mm 5.2/48.6/36.75(44.25)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-1 / IEC60947-7-2		UL UL1059	
Rated voltage	V 500		600		/		/	
Rated current	A 24		20		/		/	
Rated cross section	mm <sup>2</sup> /AWG 0.14-4		26-12		0.14-4		26-12	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.14-4	0.14-2.5	0.14-2.5	0.14-2.5	0.14-4	0.14-2.5	0.14-2.5	0.14-2.5
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> -	-	-	0.5	-	-	-	0.5
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)				-40(-40)~105(221)			
Stripping length	mm 10-12				10-12			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Yellow green mixed color			
<b>Accessories</b>								
Plug(02P-15P)	DSP2.5-H				DSP2.5-H			
Coding star	DS-PC				DS-PC			
Latching	DSR1.5 / DSR2.5				DSR1.5 / DSR2.5			
Slotted screwdriver size (Blade thickness x Width)	mm 0.6x3.5				0.6x3.5			
Bridge (2-10P 20P)	DFB2-5.2 DFB3-5.2 DFB4-5.2 DFB5-5.2 DFB6-5.2 DFB7-5.2 DFB8-5.2 DFB9-5.2 DFB10-5.2 DFB20-5.2				/			
End cover	D-DS2.5				D-DS2.5			
Partition plate	/				/			
Top marker	ZB5 / ZS5				ZB5 / ZS5			
Side marker	ZK5 / ZSF5				ZK5 / ZSF5			
Marker support	/				/			
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	E-WS / E-PC / E-MK / E-WS N				E-WS / E-PC / E-MK / E-WS N			

### Index List

Matching plugs index list of DS Plug-in system				
Type	Quantity	Matching plugs	Type	Quantity
DS2.5/1P	1	DSP2.5-H-01P-11-00A(H)	/	/
DS2.5/1P	2	DSP2.5-H-02P-11-00A(H)	DSP2.5-H-L	1
			DSP2.5-H-M	0
			DSP2.5-H-R	1
DS2.5/1P	3	DSP2.5-H-03P-11-00A(H)	DSP2.5-H-L	1
			DSP2.5-H-M	1
			DSP2.5-H-R	1
DS2.5/1P	4	DSP2.5-H-04P-11-00A(H)	DSP2.5-H-L	1
			DSP2.5-H-M	2
			DSP2.5-H-R	1
...	...	...	...	...
DS2.5/1P	15	DSP2.5-H-15P-11-00A(H)	DSP2.5-H-L	1
			DSP2.5-H-M	13
			DSP2.5-H-R	1

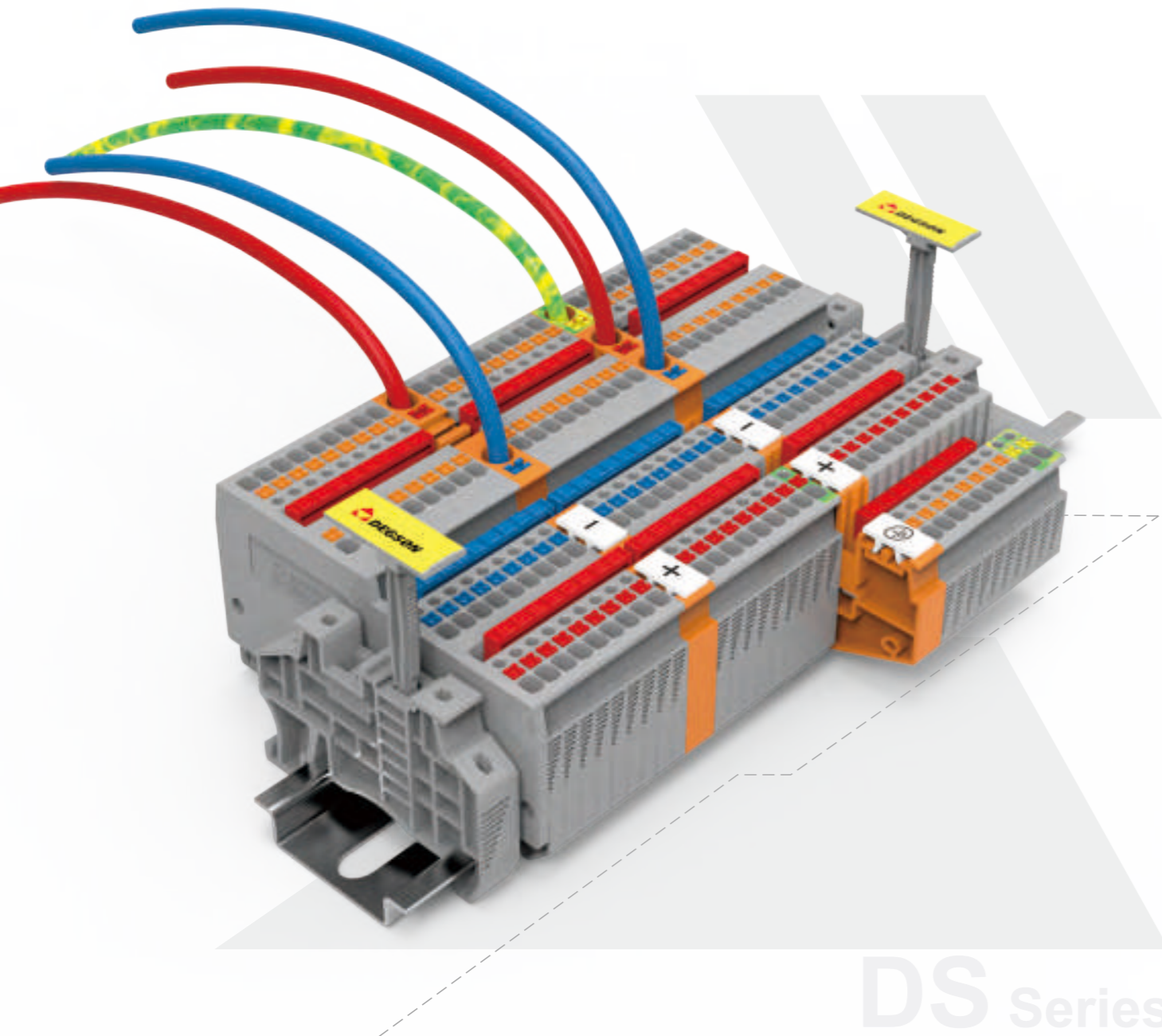


Optional combination plug (2p-15p) or single-chip plug (left, middle and right)

The self-assembled plug can be matched with DSR1.5/2.5 clip accessories,flexible field installation

## DS Sensor Terminal Blocks And Actuator Terminal Blocks

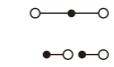
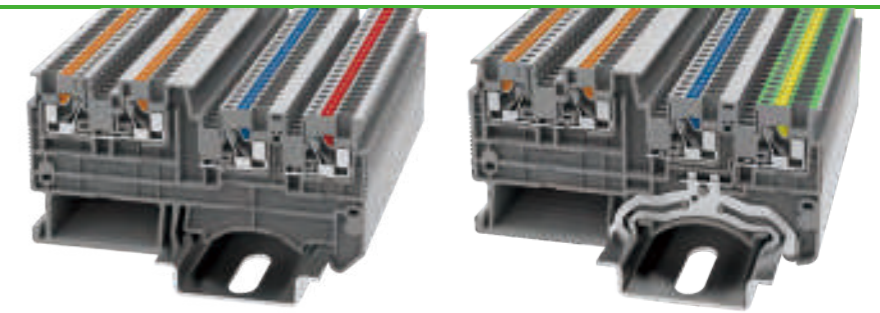
- DSIO Initiator/actuator terminal blocks can reach tool free wiring with the Push-in connection technology; Easy to remove the cable by push the orange button
- 3.5mm ultra-thin design, saving space; compact structure reach high wiring density
- The power feed module used with bridge, realize the power distribution of positive and negative
- Compatible with the marking system to clearly identify the working area
- Equipped with test hole on the wiring position, easy to test the circuit



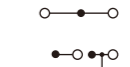
DS Series

## Push-in connection technology

Sensor terminal blocks and actuator terminal blocks



DSIO1.5/3



DSIO1.5/3-PE

CE ENEC RoHS REACH

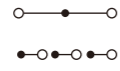
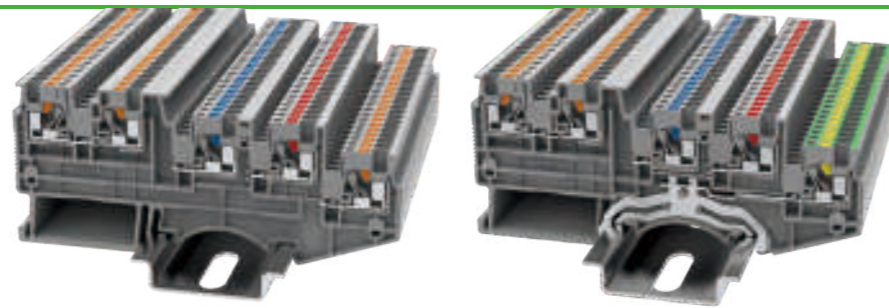
CE ENEC RoHS REACH

Order NO.	11040000234				11040000235			
Width/Length/Height(NS35/7.5&NS35/15)	mm 3.5/74.4/41.5(49)				mm 3.5/74.4/41.5(49)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-1		UL UL1059	
Rated voltage	V 250		300		V 250		300	
Rated current	A 13.5		15		A 13.5		15	
Rated cross section	mm <sup>2</sup> /AWG 0.14-1.5		26-16		mm <sup>2</sup> /AWG 0.14-1.5		26-16	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.14-1.5	0.14-1.5	0.15-1.5	0.14-0.5	mm <sup>2</sup> 0.14-1.5	0.14-1.5	0.15-1.5	0.14-1.5
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> -	-	-	-	mm <sup>2</sup> -	-	-	-
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)				°C ( °F ) -40(-40)~105(221)			
Stripping length	mm 8-10				mm 8-10			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Grey, Red, Blue (please contact sales for other color requirements)			
<b>Accessories</b>								
Ferrule	/				/			
Slotted screwdriver size (Blade thickness x Width)	mm 0.4-2.5				mm 0.4-2.5			
Bridge (2-10P 20P)	DFB2-3.5 DFB3-3.5 DFB4-3.5 DFB5-3.5 DFB6-3.5 DFB7-3.5 DFB8-3.5 DFB9-3.5 DFB10-3.5 DFB20-3.5				DFB2-3.5 DFB3-3.5 DFB4-3.5 DFB5-3.5 DFB6-3.5 DFB7-3.5 DFB8-3.5 DFB9-3.5 DFB10-3.5 DFB20-3.5			
End cover	D-DSIO1.5/3-1				D-DSIO1.5/3-1			
Partition plate	/				/			
Top marker	ZSF3.5				ZSF3.5			
Side marker	ZSF3.5				ZSF3.5			
Marker support	/				/			
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			

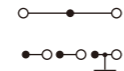


## Push-in connection technology













Sensor terminal blocks and actuator terminal blocks


**DSIO1.5/4**

CE ENEC RoHS REACH

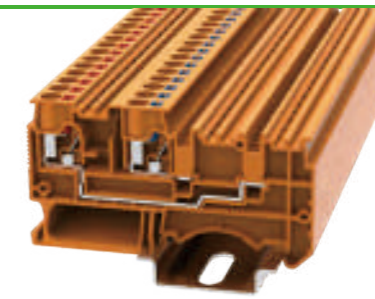

**DSIO1.5/4-PE**

CE ENEC RoHS REACH


Order NO.	11040000248				11040000249			
Width/Length/Height(NS35/7.5&NS35/15)	mm 3.5/90.9/41.5(49)				mm 3.5/90.9/41.5(49)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-1 IEC60947-7-2		UL UL1059	
Rated voltage	V 250		300		V 250		300	
Rated current	A 13.5		15		A 13.5		15	
Rated cross section	mm <sup>2</sup> /AWG 0.14-1.5		26-16		mm <sup>2</sup> /AWG 0.14-1.5		26-16	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.14-1.5	0.14-1.5	0.15-1.5	0.14-1.5	mm <sup>2</sup> 0.14-1.5	0.14-1.5	0.15-1.5	0.14-1.5
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> —	—	—	—	mm <sup>2</sup> —	—	—	—
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)				°C ( °F ) -40(-40)~105(221)			
Stripping length	mm 8-10				mm 8-10			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Grey, Red, Blue (please contact sales for other color requirements)			
<b>Accessories</b>								
Ferrule	/				/			
Slotted screwdriver size (Blade thickness x Width)	mm 0.4-2.5				mm 0.4-2.5			
Bridge (2-10P 20P)	 DFB2-3.5 DFB3-3.5 DFB4-3.5 DFB5-3.5 DFB6-3.5 DFB7-3.5 DFB8-3.5 DFB9-3.5 DFB10-3.5 DFB20-3.5				 DFB2-3.5 DFB3-3.5 DFB4-3.5 DFB5-3.5 DFB6-3.5 DFB7-3.5 DFB8-3.5 DFB9-3.5 DFB10-3.5 DFB20-3.5			
End cover	 D-DSIO1.5/4-1				 D-DSIO1.5/4-1			
Partition plate	/				/			
Top marker	 ZSF3.5				 ZSF3.5			
Side marker	 ZSF3.5				 ZSF3.5			
Marker support	/				/			
Terminal strip marker support	 DLM2 / KLM3-20x8 / KLM3-44x8				 DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	 E-PC 1100A / E-WS N				 E-PC 1100A / E-WS N			

## Push-in connection technology

Sensor terminal blocks and actuator terminal blocks

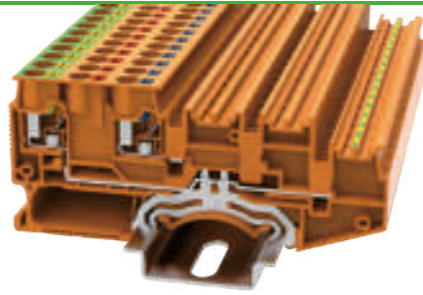

**DSIO-IN  
2.5/3 OG**

CE ENEC RoHS REACH

Order NO.	11040000239			
Width/Length/Height(NS35/7.5&NS35/15)	mm 7/74.4/41.5(49)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059	
Rated voltage	V 250		300	
Rated current	A 20		10	
Rated cross section	mm <sup>2</sup> /AWG 0.2-4		26-12	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.2-4	0.2-2.5	0.2-2.5	0.2-2.5
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> —	—	—	0.5
<b>General Information</b>				
Insulation material/Flammability rating (according to UL 94)	PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)			
Stripping length	mm 10-12			
Color	Orange (please contact sales for other color requirements)			
<b>Accessories</b>				
Ferrule	/			
Slotted screwdriver size (Blade thickness x Width)	mm 0.6x3.5			
Bridge (2-10P 20P)	 DFB2-3.5 DFB3-3.5 DFB4-3.5 DFB5-3.5 DFB6-3.5 DFB7-3.5 DFB8-3.5 DFB9-3.5 DFB10-3.5 DFB20-3.5			
End cover	 D-DSIO1.5/3-1			
Partition plate	/			
Top marker	 ZB6 / ZS6			
Side marker	 ZK6 / ZSF6			
Marker support	/			
Terminal strip marker support	 DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	 E-PC 1100A / E-WS N			







## Push-in connection technology

Sensor terminal blocks and actuator terminal blocks



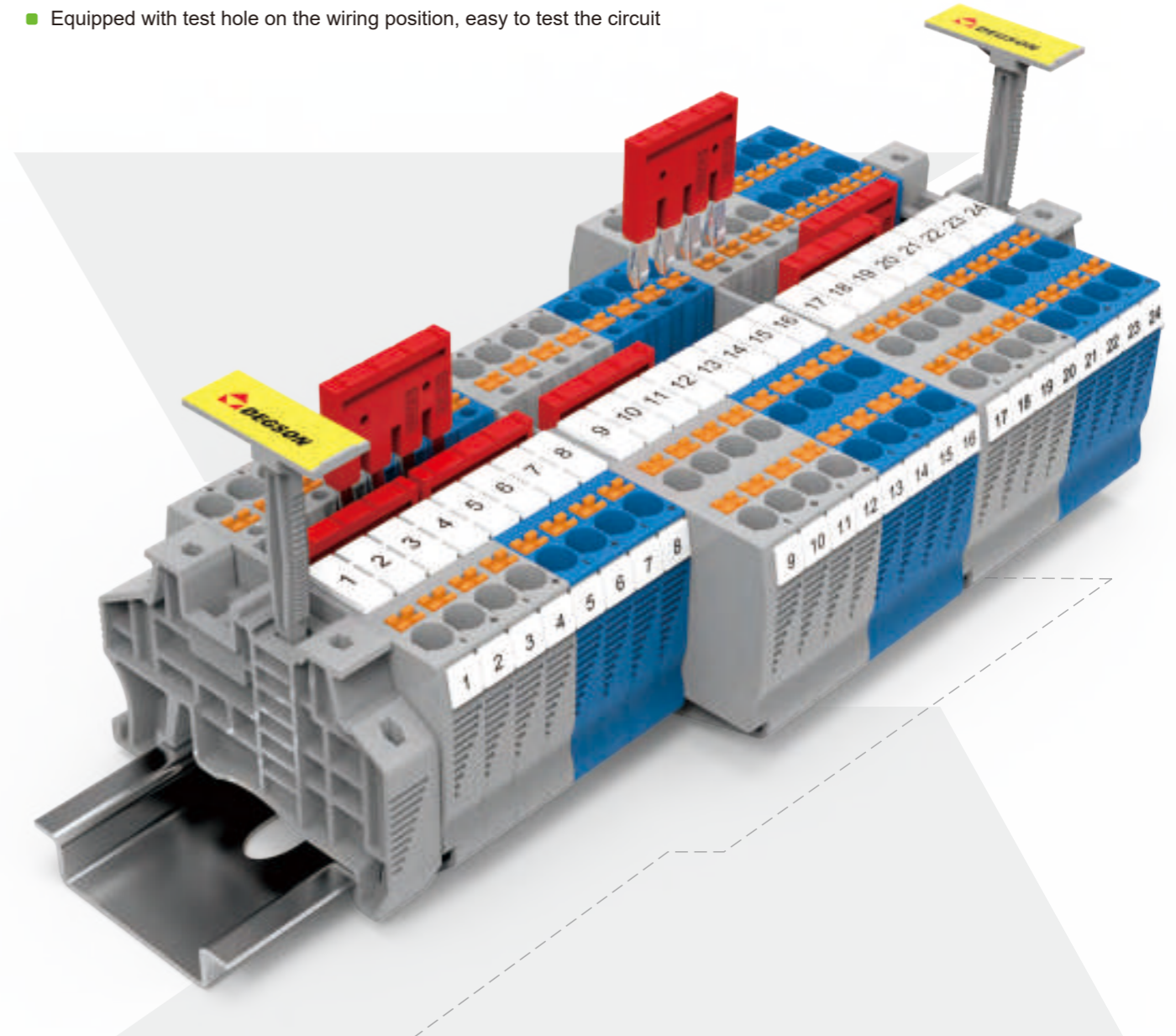
 **DSIO-IN**  
**2.5/4-PE OG**

CE ENEC RoHS REACH

<b>Order NO.</b>	<b>11040000238</b>			
Width/Length/Height(NS35/7.5&NS35/15)	mm	7/90.9/41.5(49)		
<b>Electrical Data</b>		IEC	UL	
		IEC60947-7-1	IEC60947-7-2	UL1059
Rated voltage	V	250	300	
Rated current	A	20	10	
Rated cross section	mm <sup>2</sup> /AWG	0.2-4	26-12	
<b>Connection capacity</b>		Solid	Stranded	Ferrule (with and without plastic sleeve)
1 conductor	mm <sup>2</sup>	0.2-4	0.2-2.5	0.2-2.5
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup>	—	—	0.5
<b>General Information</b>				
Insulation material/Flammability rating (according to UL 94)		PA/V0		
Operation temperatures	°C ( °F )	-40(-40)~105(221)		
Stripping length	mm	10-12		
Color		Orange (please contact sales for other color requirements)		
<b>Accessories</b>				
Ferrule		/		
Slotted screwdriver size (Blade thickness x Width)	mm	0.6x3.5		
Bridge (2-10P 20P)		DFB2-3.5	DFB3-3.5	DFB4-3.5
		DFB5-3.5	DFB6-3.5	DFB7-3.5
		DFB8-3.5	DFB9-3.5	DFB10-3.5
End cover		D-DSIO1.5/4-1		
Partition plate		/		
Top marker		ZB6 / ZS6		
Side marker		ZK6 / ZSF6		
Marker support		/		
Terminal strip marker support		DLM2 / KLM3-20x8 / KLM3-44x8		
End clamp		E-PC 1100A / E-WS N		

## DS Component Terminal Blocks

- DS diode terminal blocks can reach tool free wiring with the Push-in connection technology; Easy to remove the cable by push the orange button
- With diode element, can realize unidirectional conduction of the circuit
- Double-channel bridging design and 2-20 poles bridges reach the flexible distribution of potentials
- Compatible with the marking system to clearly identify the working area
- Equipped with test hole on the wiring position, easy to test the circuit

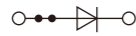
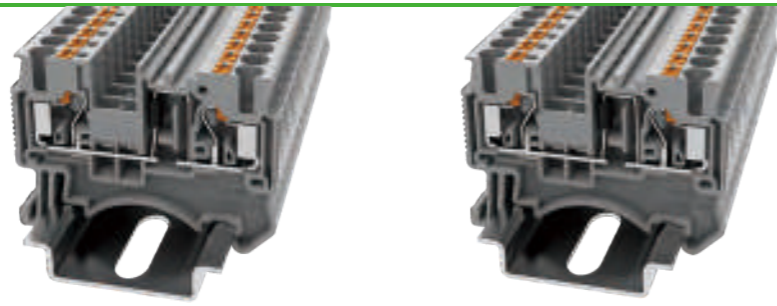


DS Series



## Push-in connection technology

Component terminal blocks


**DS2.5-LD L-R**

**DS2.5-LD R-L**

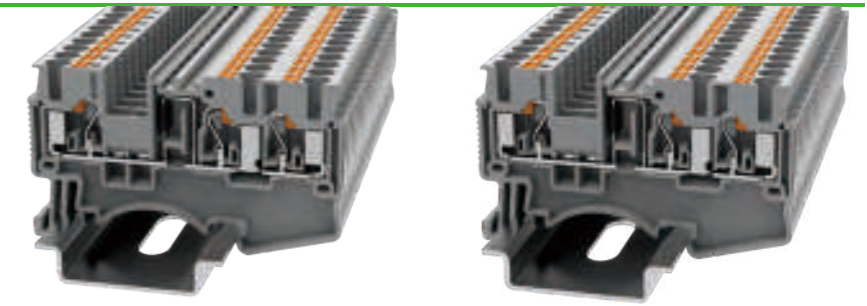
CE ENEC RoHS REACH

CE ENEC RoHS REACH

Order NO.	11040000232				11040000233			
Width/Length/Height(NS35/7.5&NS35/15)	mm 5.2/48.6/36.75(44.25)				mm 5.2/48.6/36.75(44.25)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-1		UL UL1059	
Rated voltage	V 250 (Reverse breakdown voltage 1.3KV)		V 250 (Reverse breakdown voltage 1.3KV)		V 250 (Reverse breakdown voltage 1.3KV)		V 250 (Reverse breakdown voltage 1.3KV)	
Rated current	A 1 (The brand of diode is BY133, with current of 1A)		A 1 (The brand of diode is BY133, with current of 1A)		A 1 (The brand of diode is BY133, with current of 1A)		A 1 (The brand of diode is BY133, with current of 1A)	
Rated cross section	mm <sup>2</sup> /AWG 0.14-4		mm <sup>2</sup> /AWG 26-12		mm <sup>2</sup> /AWG 0.14-4		mm <sup>2</sup> /AWG 26-12	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.14-4	mm <sup>2</sup> 0.14-2.5	mm <sup>2</sup> 0.14-2.5	mm <sup>2</sup> 0.14-2.5	mm <sup>2</sup> 0.14-4	mm <sup>2</sup> 0.14-2.5	mm <sup>2</sup> 0.14-2.5	mm <sup>2</sup> 0.14-2.5
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> -	mm <sup>2</sup> -	mm <sup>2</sup> -	mm <sup>2</sup> 0.5	mm <sup>2</sup> -	mm <sup>2</sup> -	mm <sup>2</sup> -	mm <sup>2</sup> 0.5
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)				°C ( °F ) -40(-40)~105(221)			
Stripping length	mm 10-12				mm 10-12			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Grey, Red, Blue (please contact sales for other color requirements)			
<b>Accessories</b>								
Ferrule	/				/			
Slotted screwdriver size (Blade thickness x Width)	mm 10-12				mm 10-12			
Bridge (2-10P 20P)	DFB2-5.2 DFB3-5.2 DFB4-5.2 DFB5-5.2 DFB6-5.2 DFB7-5.2 DFB8-5.2 DFB9-5.2 DFB10-5.2 DFB20-5.2				DFB2-5.2 DFB3-5.2 DFB4-5.2 DFB5-5.2 DFB6-5.2 DFB7-5.2 DFB8-5.2 DFB9-5.2 DFB10-5.2 DFB20-5.2			
End cover	D-DS2.5				D-DS2.5			
Partition plate	/				/			
Top marker	ZB5 / ZS5				ZB5 / ZS5			
Side marker	ZK5 / ZSF5				ZK5 / ZSF5			
Marker support	DTH5-25x5 / DTH5-25x12				DTH5-25x5 / DTH5-25x12			
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			

## Push-in connection technology

Component terminal blocks


**DS2.5-TW-LD L-R**

**DS2.5-TW-LD R-L**

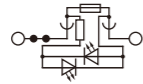
CE ENEC RoHS REACH

CE ENEC RoHS REACH

Order NO.	11040000199				11040000200			
Width/Length/Height(NS35/7.5&NS35/15)	mm 5.2/60.5/36.75(44.25)				mm 5.2/60.5/36.75(44.25)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-1		UL UL1059	
Rated voltage	V 300 (Reverse breakdown voltage 1.3KV)		V 300 (Reverse breakdown voltage 1.3KV)		V 300 (Reverse breakdown voltage 1.3KV)		V 300 (Reverse breakdown voltage 1.3KV)	
Rated current	A 1 (The brand of diode is BY133, with current of 1A)		A 1 (The brand of diode is BY133, with current of 1A)		A 1 (The brand of diode is BY133, with current of 1A)		A 1 (The brand of diode is BY133, with current of 1A)	
Rated cross section	mm <sup>2</sup> /AWG 0.14-4		mm <sup>2</sup> /AWG 26-12		mm <sup>2</sup> /AWG 0.14-4		mm <sup>2</sup> /AWG 26-12	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.14-4	mm <sup>2</sup> 0.14-2.5	mm <sup>2</sup> 0.14-2.5	mm <sup>2</sup> 0.14-2.5	mm <sup>2</sup> 0.14-4	mm <sup>2</sup> 0.14-2.5	mm <sup>2</sup> 0.14-2.5	mm <sup>2</sup> 0.14-2.5
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> -	mm <sup>2</sup> -	mm <sup>2</sup> -	mm <sup>2</sup> 0.5	mm <sup>2</sup> -	mm <sup>2</sup> -	mm <sup>2</sup> -	mm <sup>2</sup> 0.5
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)				°C ( °F ) -40(-40)~105(221)			
Stripping length	mm 10-12				mm 10-12			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Grey, Red, Blue (please contact sales for other color requirements)			
<b>Accessories</b>								
Ferrule	/				/			
Slotted screwdriver size (Blade thickness x Width)	mm 10-12				mm 10-12			
Bridge (2-10P 20P)	DFB2-5.2 DFB3-5.2 DFB4-5.2 DFB5-5.2 DFB6-5.2 DFB7-5.2 DFB8-5.2 DFB9-5.2 DFB10-5.2 DFB20-5.2				DFB2-5.2 DFB3-5.2 DFB4-5.2 DFB5-5.2 DFB6-5.2 DFB7-5.2 DFB8-5.2 DFB9-5.2 DFB10-5.2 DFB20-5.2			
End cover	D-DS2.5-TW				D-DS2.5-TW			
Partition plate	/				/			
Top marker	ZB5 / ZS5				ZB5 / ZS5			
Side marker	ZK5 / ZSF5				ZK5 / ZSF5			
Marker support	DTH5-25x5 / DTH5-25x12				DTH5-25x5 / DTH5-25x12			
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			

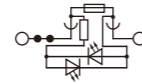
## Push-in connection technology

Fuse terminal blocks









DS4-HE-LD60

CE ENEC RoHS REACH



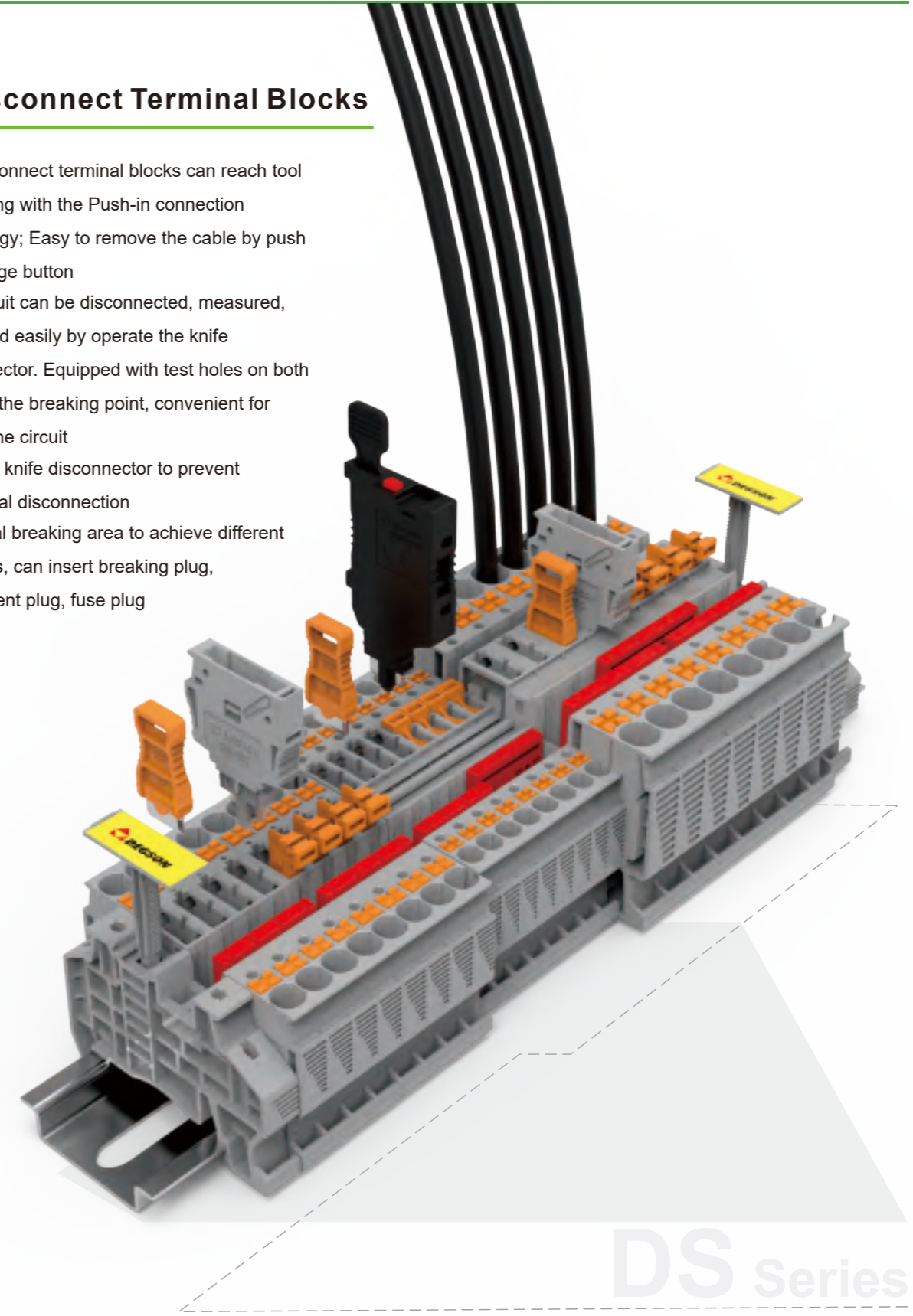
DS4-HE-LD250

CE ENEC RoHS REACH

Order NO.	11040000191	11040000164
Width/Length/Height(NS35/7.5&NS35/15) mm	6.2/55.6/36.8(44.3)	6.2/55.6/36.8(44.3)
<b>Electrical Data</b>	IEC IEC60947-7-3	IEC IEC60947-7-3
Rated voltage V	60 (Led voltage range 30-60V)	250 (Led voltage range 110-250V)
Rated current A	6.3	6.3
Rated cross section mm <sup>2</sup> /AWG	0.2-6 24-10	0.2-6 24-10
<b>Connection capacity</b>	Solid Stranded Ferrule (with and without plastic sleeve)	Solid Stranded Ferrule (with and without plastic sleeve)
1 conductor mm <sup>2</sup>	0.2-6 0.2-4 0.2-4 0.2-4	0.2-6 0.2-4 0.2-4 0.2-4
2 flexible conductors with a TWIN ferrule mm <sup>2</sup>	— — — 0.5-1	— — — 0.5-1
<b>General Information</b>		
Insulation material/Flammability rating (according to UL 94)	PA/V0	PA/V0
Operation temperatures °C ( °F )	-40(-40)~105(221)	-40(-40)~105(221)
Stripping length mm	11-13	11-13
Color	Black (please contact sales for other color requirements)	Black (please contact sales for other color requirements)
<b>Accessories</b>		
Ferrule	/	/
Slotted screwdriver size (Blade thickness x Width) mm	0.6x3.5	0.6x3.5
Bridge (2-10P) 	DFB2-6.2 DFB3-6.2 DFB4-6.2 DFB5-6.2 DFB6-6.2 DFB7-6.2 DFB8-6.2 DFB9-6.2 DFB10-6.2	DFB2-6.2 DFB3-6.2 DFB4-6.2 DFB5-6.2 DFB6-6.2 DFB7-6.2 DFB8-6.2 DFB9-6.2 DFB10-6.2
End cover 	D-DS4-HE	D-DS4-HE
Partition plate	/	/
Top marker 	ZB6 / ZS6	ZB6 / ZS6
Side marker 	ZK6 / ZSF6	ZK6 / ZSF6
Marker support	/	/
Terminal strip marker support 	DLM2 / KLM3-20x8 / KLM3-44x8	DLM2 / KLM3-20x8 / KLM3-44x8
End clamp 	E-PC 1100A / E-WS N	E-PC 1100A / E-WS N

## DS Disconnect Terminal Blocks

- DS disconnect terminal blocks can reach tool free wiring with the Push-in connection technology; Easy to remove the cable by push the orange button
- The circuit can be disconnected, measured, controlled easily by operate the knife disconnecter. Equipped with test holes on both sides of the breaking point, convenient for testing the circuit
- Snap-on knife disconnecter to prevent accidental disconnection
- Universal breaking area to achieve different functions, can insert breaking plug, component plug, fuse plug

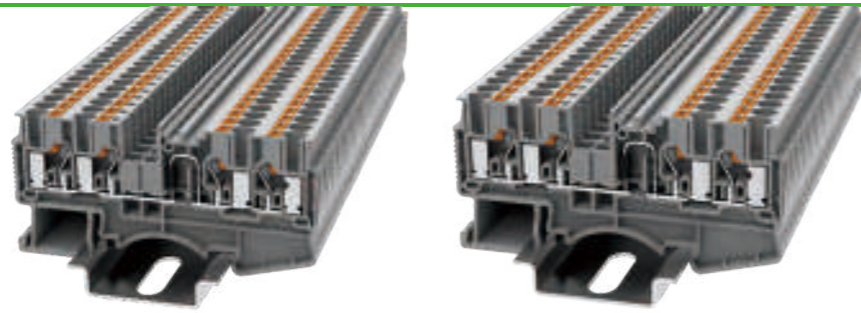


DS Series



Push-in connection technology

Component terminal blocks



DS2.5-QU-LD L-R



DS2.5-QU-LD R-L

CE ENEC RoHS REACH

CE ENEC RoHS REACH

Order NO.	11040000242				11040000243			
Width/Length/Height(NS35/7.5&NS35/15) mm	5.2/72.2/36.75(44.25)				5.2/72.2/36.75(44.25)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-1		UL UL1059	
Rated voltage V	250 (Reverse breakdown voltage 1.3KV)				250 (Reverse breakdown voltage 1.3KV)			
Rated current A	1 (The brand of diode is BY133, with current of 1A)				1 (The brand of diode is BY133, with current of 1A)			
Rated cross section mm <sup>2</sup> /AWG	0.14-4		26-12		0.14-4		26-12	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor mm <sup>2</sup>	0.14-4	0.14-2.5	0.14-2.5	0.14-2.5	0.14-4	0.14-2.5	0.14-2.5	0.14-2.5
2 flexible conductors with a TWIN ferrule mm <sup>2</sup>	—	—	—	0.5	—	—	—	0.5
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures °C ( °F )	-40(-40)~105(221)				-40(-40)~105(221)			
Stripping length mm	10-12				10-12			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Grey, Red, Blue (please contact sales for other color requirements)			
<b>Accessories</b>								
Ferrule	/				/			
Slotted screwdriver size (Blade thickness x Width) mm	10-12				10-12			
Bridge (2-10P 20P)	DFB2-5.2 DFB3-5.2 DFB4-5.2 DFB5-5.2 DFB6-5.2 DFB7-5.2 DFB8-5.2 DFB9-5.2 DFB10-5.2 DFB20-5.2		DFB2-5.2 DFB3-5.2 DFB4-5.2 DFB5-5.2 DFB6-5.2 DFB7-5.2 DFB8-5.2 DFB9-5.2 DFB10-5.2 DFB20-5.2		DFB2-5.2 DFB3-5.2 DFB4-5.2 DFB5-5.2 DFB6-5.2 DFB7-5.2 DFB8-5.2 DFB9-5.2 DFB10-5.2 DFB20-5.2		DFB2-5.2 DFB3-5.2 DFB4-5.2 DFB5-5.2 DFB6-5.2 DFB7-5.2 DFB8-5.2 DFB9-5.2 DFB10-5.2 DFB20-5.2	
End cover	D-DS2.5-QU				D-DS2.5-QU			
Partition plate	/				/			
Top marker	ZB5 / ZS5				ZB5 / ZS5			
Side marker	ZK5 / ZSF5				ZK5 / ZSF5			
Marker support	DTH5-25x5 / DTH5-25x12				DTH5-25x5 / DTH5-25x12			
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			

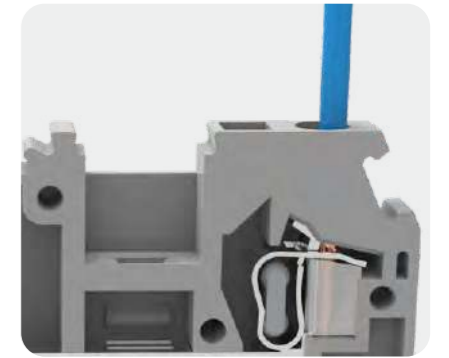
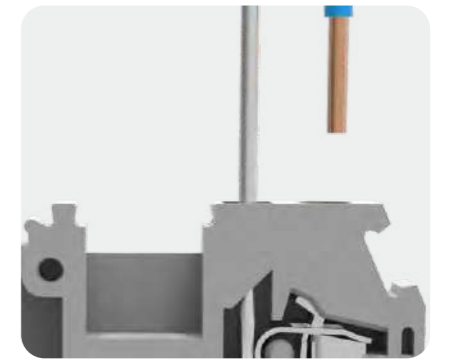
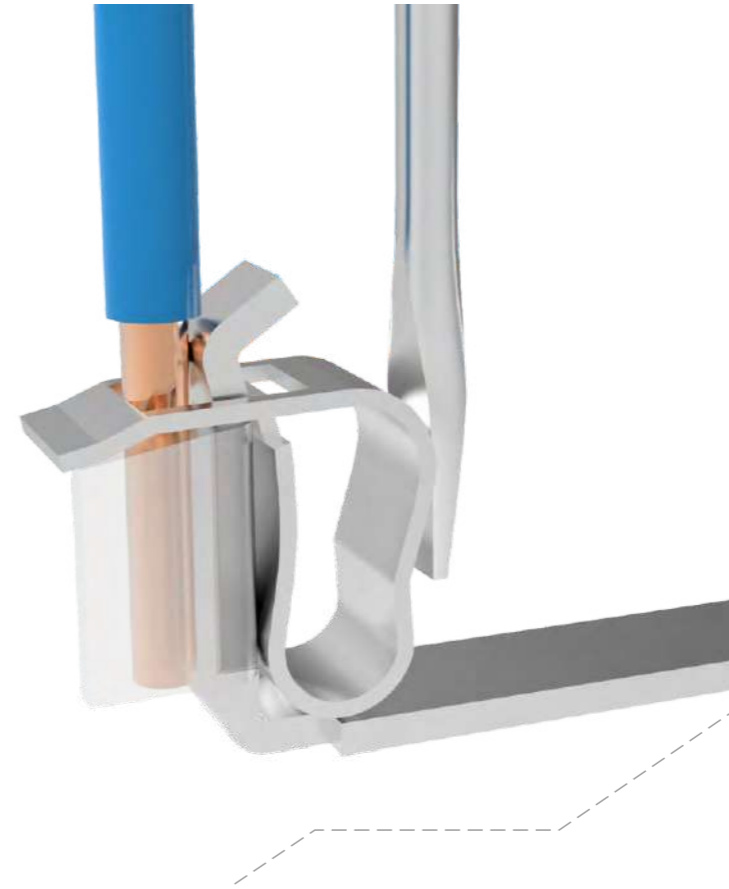
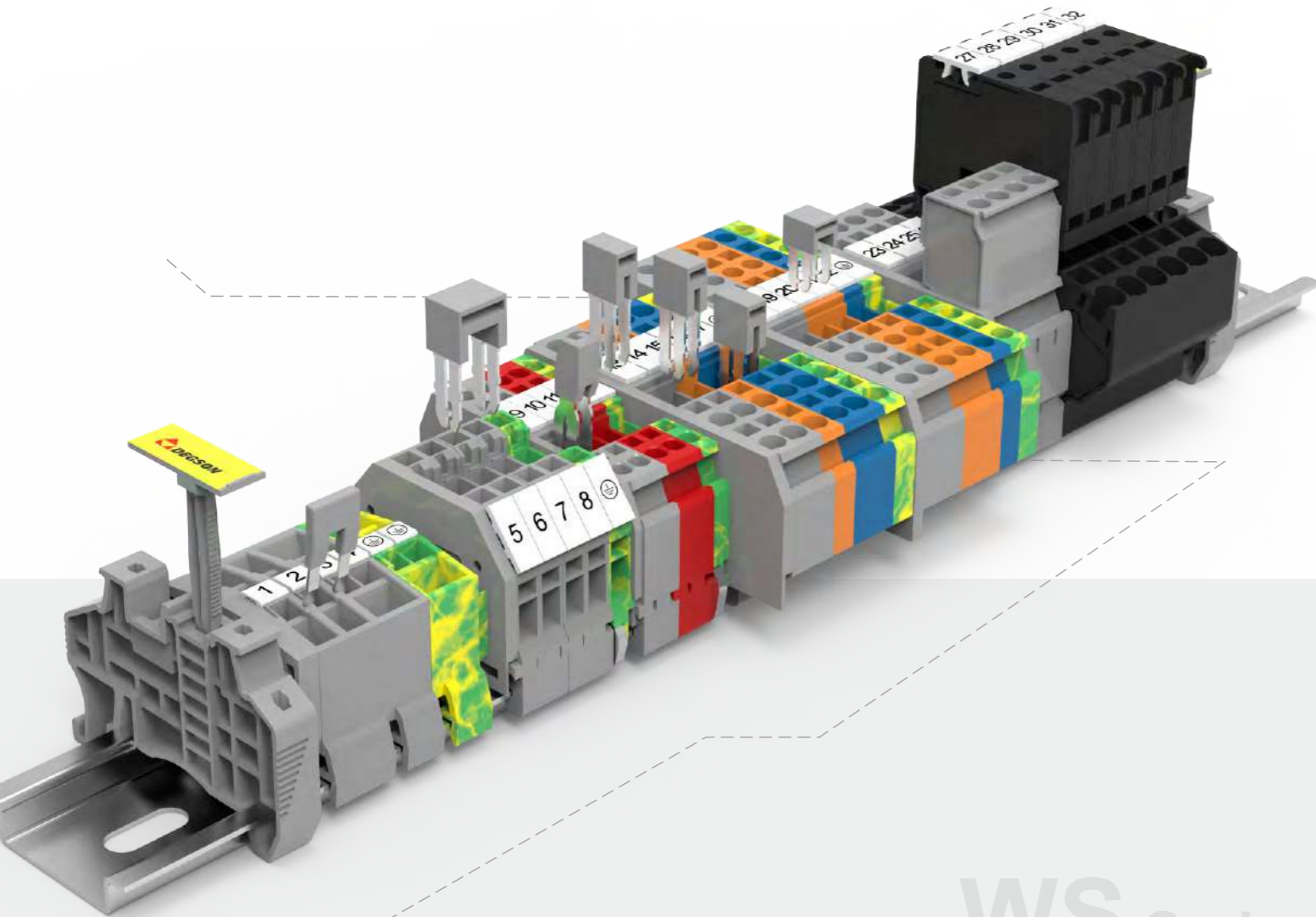
Index List

Reducing bridging with standard DS feed-through terminal blocks						
Supply		Pick-off		Single-sided supply	Central supply	Bridges
Terminal block	Cross section(mm <sup>2</sup> )	Terminal block	Cross section(mm <sup>2</sup> )	I <sub>max</sub> (A)	I <sub>max</sub> (A)	
DS2.5	2.5	DS1.5	1.5	24	30	DFB2.5/4-1.5
DS4	4	DS1.5	1.5	24	40	DFB2.5/4-1.5
		DS2.5	2.5	40	40	DFB2.5 or DFB4
DS6	6	DS1.5	1.5	24	48	DFB6-1.5
		DS2.5	2.5	40	56	DFB6-2.5/4
		DS4	4	45	56	
DS10	10	DS1.5	1.5	24	48	DFB10-1.5
		DS2.5	2.5	40	65	DFB10-2.5/4
		DS4	4	45	65	
DS16	16	DS1.5	1.5	24	48	DFB16-1.5
		DS2.5	2.5	40	80	DFB16-2.5/4
		DS4	4	45	90	

## WS-Spring-cage Connection Terminal Blocks

### Feature

- Proven Spring-cage connection technology with excellent seismic performance
- The spring compression force is constant, and the connection is stable and reliable.
- Pluggable bridge, high circuit connection efficiency
- Large area identification space, clear wiring



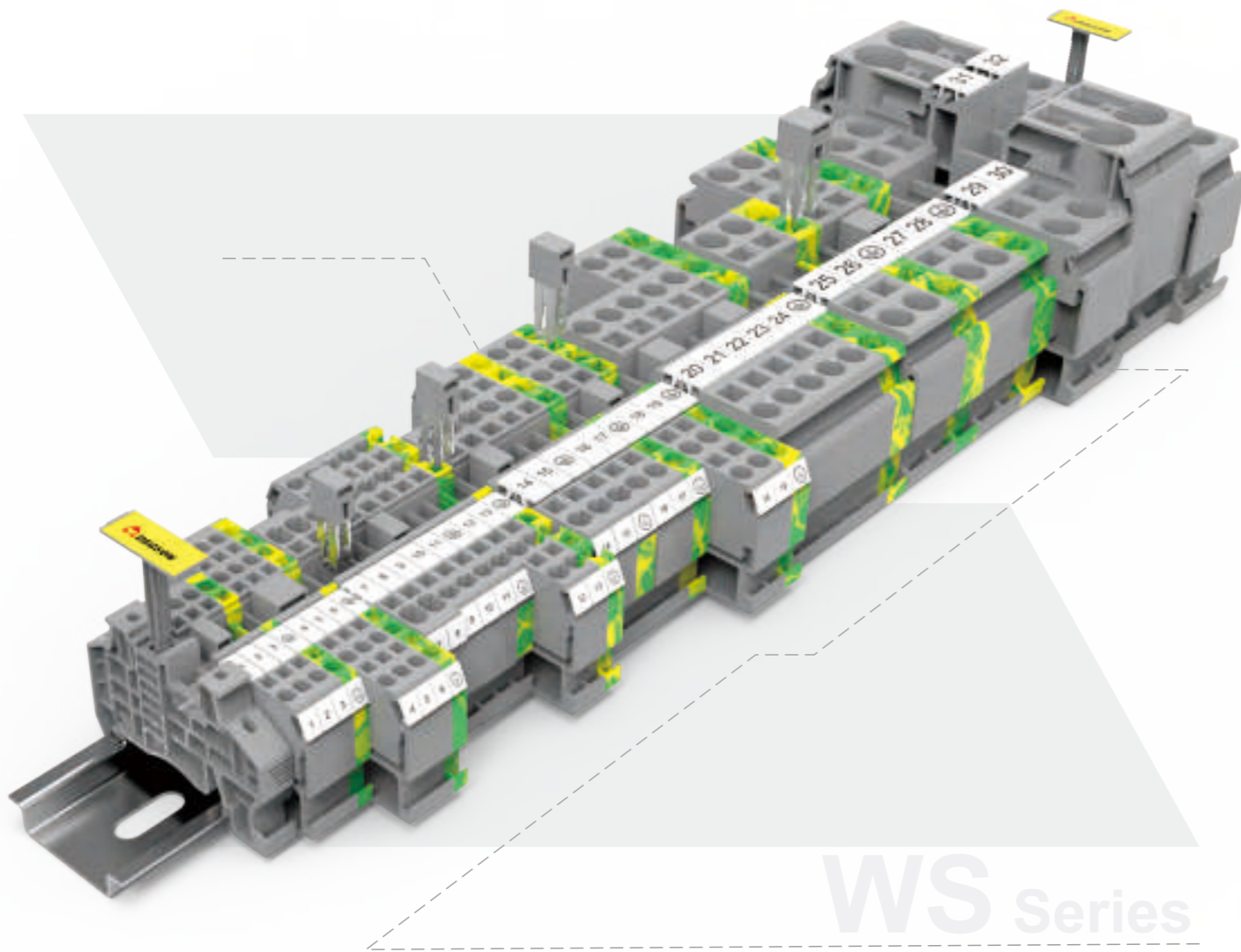
WS-Spring-cage connection terminal blocks adopt high-quality alloy structure, provide reliable and durable connection products. At the same time, the proven Spring-cage connection terminal blocks has excellent seismic performance and excellent performance in high vibration occasions such as railway, ship and equipment manufacturing. PA66 plastic parts can meet the working environment of -40°C to 105°C.

WS Series

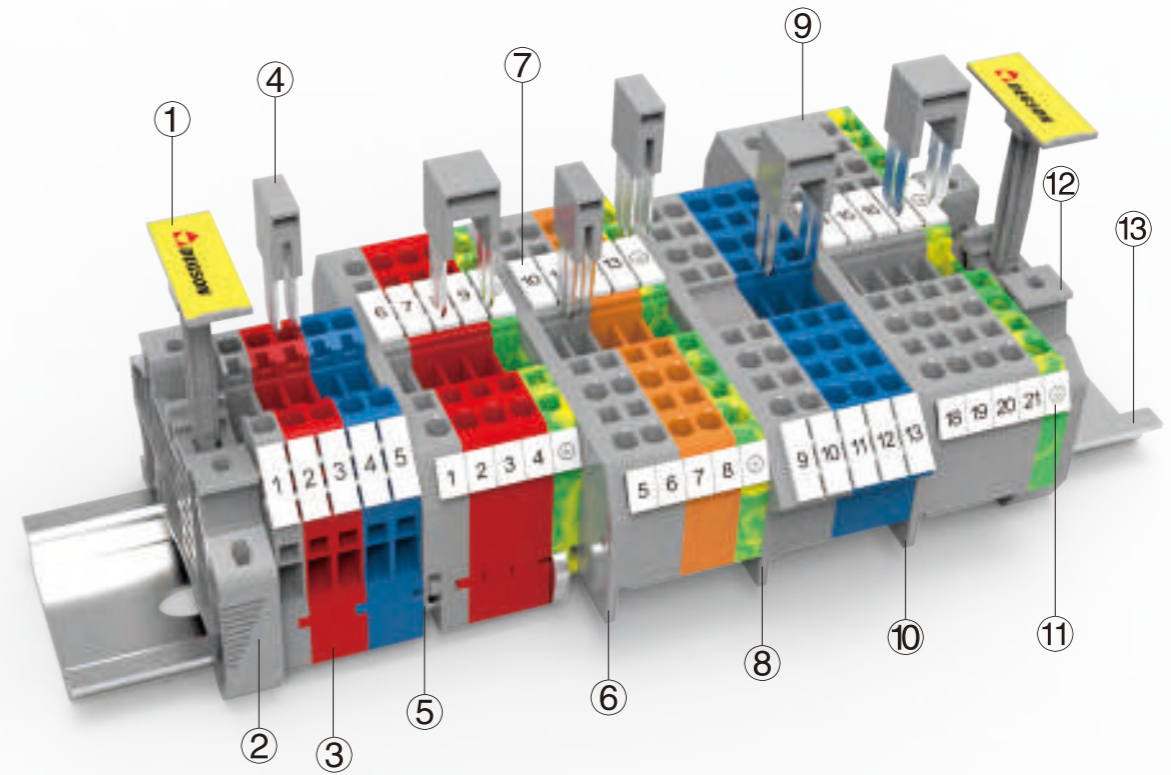


## WS Feed-through Terminal Blocks

- WS feed-through terminal blocks, with spring-cage connection technology ensure the good performance on anti-vibration
- Compact design saves space
- Compatible with the marking system to clearly identify the working area



WS Series



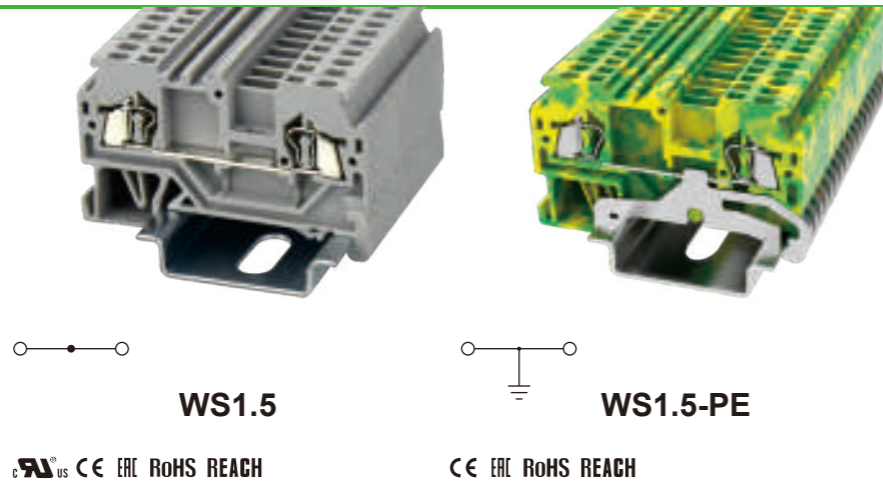
Description	Part No.	Remark
① Marker carrier	KLM3-20x8-11-00A(H)	Suitable for E-PC-1100A(H) & E-WS N
② End Clamp	E-WS N-01P-11-00A(H)	Fixing products on NS35 DIN rail
③ Terminal blocks	WS1.5-SD-01P-11-00A(H)	Spring-cage type 1.5mm <sup>2</sup> DIN Rail terminal blocks
④ Adjacent jumper	WFA1.5-01P-11-00A(H)	02P bridge, use for WS1.5 series
⑤ End cover	D-WS1.5-01P-11-00A(H)	End cover is used for WS1.5&WS1.5-PE
⑥ End cover	D-WS1.5-TW-01P-11-00A(H)	End cover is used for WS1.5-TW&WS1.5-TW-PE
⑦ Marker	ZB4-10P-19-00A(H)	Marker is used for the top of WS1.5 series
⑧ End cover	D-WS1.5-QU-01P-11-100A(H)	End cover is used for WS1.5-QU-100A(H)
⑨ Alternate jumper	WFB1.5-01P-11-00A(H)	02P bridge, use for WS1.5 series
⑩ End cover	D-WS1.5-QU-01P-11-00A(H)	End cover is used for WS1.5-QU-100A(H)
⑪ Marker	DEK4-50P-19-00A(H)	Marker is used for the side of WS1.5 series
⑫ End Clamp	E-WS N-01P-11-00A(H)	Fixing products on NS35 DIN rail
⑬ DIN rail	NS35/7.5-0150-00A(H)	NS35 DIN rail

### Circuit diagram

	○ Connection point for wiring		Fuse connection		Disconnecting
	● Connection point for bridging		Resistance connection		Circuit connection point
	LED light connection		Grounding connection		Diode connection

## Spring-cage connection technology

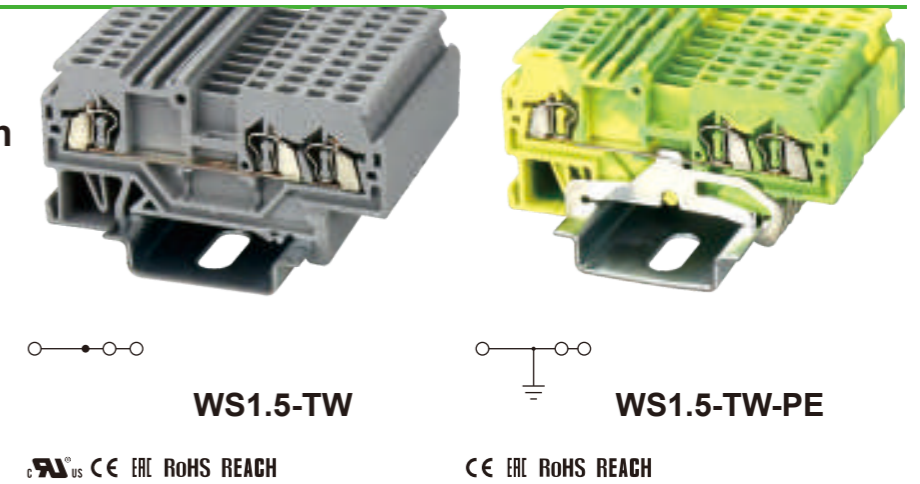
Feed-through, multi-conductor and ground terminal blocks


**WS1.5**
**WS1.5-PE**

Order NO.	11030000027				11030000064			
Width/Length/Height(NS35/7.5&NS35/15)	mm 4/51.8/34.55(42.05)				mm 4/51.8/34.55(42.05)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059	
Rated voltage	V 800		600		/		/	
Rated current	A 18		10		/		/	
Rated cross section	mm <sup>2</sup> /AWG 0.2-1.5		28-16		0.2-1.5		28-16	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.2-1.5	0.2-1.5	0.2-1.5	0.2-1	0.2-1.5	0.2-1.5	0.2-1.5	0.2-1
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> -	-	-	0.5	-	-	-	0.5
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)				-40(-40)~105(221)			
Stripping length	mm 8-9				8-9			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Yellow green mixed color			
<b>Accessories</b>								
Ferrule	/				/			
Slotted screwdriver size (Blade thickness x Width)	mm 0.4x2.5				0.4x2.5			
Adjacent jumper	WFA1.5				/			
Alternate jumper	WFB1.5				/			
Staggered jumper	/				/			
End cover	D-WS1.5				D-WS1.5			
Partition plate	/				/			
Top marker	ZB4 / WB4				ZB4 / WB4			
Side marker	DEK4				DEK4			
Warning cover	EEA1.5				EEA1.5			
Marker support	DTH3.5-25x3.5 / DTH3.5-25x12				DTH3.5-25x3.5 / DTH3.5-25x12			
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			

## Spring-cage connection technology

Feed-through, multi-conductor and ground terminal blocks

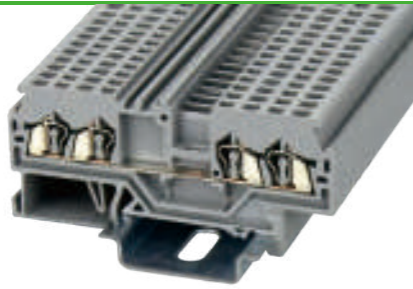

**WS1.5-TW**
**WS1.5-TW-PE**

Order NO.	11030000077				11030000080			
Width/Length/Height(NS35/7.5&NS35/15)	mm 4/62.5/34.55(42.05)				mm 4/62.5/34.55(42.05)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059	
Rated voltage	V 800		600		/		/	
Rated current	A 18		10		/		/	
Rated cross section	mm <sup>2</sup> /AWG 0.2-1.5		28-16		0.2-1.5		28-16	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.2-1.5	0.2-1.5	0.2-1.5	0.2-1	0.2-1.5	0.2-1.5	0.2-1.5	0.2-1
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> -	-	-	0.5	-	-	-	0.5
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)				-40(-40)~105(221)			
Stripping length	mm 8-9				8-9			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Yellow green mixed color			
<b>Accessories</b>								
Ferrule	/				/			
Slotted screwdriver size (Blade thickness x Width)	mm 0.4x2.5				0.4x2.5			
Adjacent jumper	WFA1.5				/			
Alternate jumper	WFB1.5				/			
Staggered jumper	/				/			
End cover	D-WS1.5-TW				D-WS1.5-TW			
Partition plate	/				/			
Top marker	ZB4 / WB4				ZB4 / WB4			
Side marker	DEK4				DEK4			
Warning cover	EEA1.5				EEA1.5			
Marker support	DTH3.5-25x3.5 / DTH3.5-25x12				DTH3.5-25x3.5 / DTH3.5-25x12			
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			

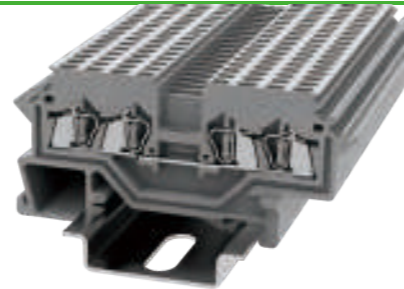


## Spring-cage connection technology

Feed-through, multi-conductor and ground terminal blocks


**WS1.5-QU**

CE ENEC RoHS REACH

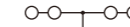
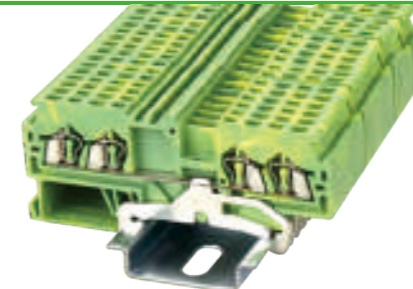

**WS1.5-QU-100A(H)**

CE ENEC RoHS REACH

Order NO.	11030000065				11030000068			
Width/Length/Height(NS35/7.5&NS35/15)	mm 4/73/34.55(42.05)				mm 4/73/34.55(42.05)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-1		UL UL1059	
Rated voltage	V 800		600		V 800		600	
Rated current	A 18		10		A 18		10	
Rated cross section	mm <sup>2</sup> /AWG 0.2-1.5		28-16		mm <sup>2</sup> /AWG 0.2-1.5		28-16	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.2-1.5	0.2-1.5	0.2-1.5	0.2-1	mm <sup>2</sup> 0.2-1.5	0.2-1.5	0.2-1.5	0.2-1
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> -	-	-	0.5	mm <sup>2</sup> -	-	-	0.5
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)				°C ( °F ) -40(-40)~105(221)			
Stripping length	mm 8-9				mm 8-9			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Grey, Red, Blue (please contact sales for other color requirements)			
<b>Accessories</b>								
Ferrule	/				/			
Slotted screwdriver size (Blade thickness x Width)	mm 0.4x2.5				mm 0.4x2.5			
Adjacent jumper	WFA1.5				WFA1.5			
Alternate jumper	WFB1.5				WFB1.5			
Staggered jumper	/				/			
End cover	D-WS1.5-QU				D-WS1.5-QU			
Partition plate	/				/			
Top marker	ZB4 / WB4				/			
Side marker	DEK4				ZB4 / WB4			
Warning cover	EEA1.5				EEA1.5			
Marker support	DTH3.5-25x3.5 / DTH3.5-25x12				DTH3.5-25x3.5 / DTH3.5-25x12			
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			

## Spring-cage connection technology

Feed-through, multi-conductor and ground terminal blocks


**WS1.5-QU-PE**

CE ENEC RoHS REACH

Order NO.	11030000070			
Width/Length/Height(NS35/7.5&NS35/15)	mm 4/73/34.55(42.05)			
<b>Electrical Data</b>	IEC IEC60947-7-2		UL UL1059	
Rated voltage	V /		/	
Rated current	A /		/	
Rated cross section	mm <sup>2</sup> /AWG 0.2-1.5		28-16	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.2-1.5	0.2-1.5	0.2-1.5	0.2-1
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> -	-	-	0.5
<b>General Information</b>				
Insulation material/Flammability rating (according to UL 94)	PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)			
Stripping length	mm 8-9			
Color	Yellow green mixed color			
<b>Accessories</b>				
Ferrule	/			
Slotted screwdriver size (Blade thickness x Width)	mm 0.4x2.5			
Adjacent jumper	/			
Alternate jumper	/			
Staggered jumper	/			
End cover	D-WS1.5-QU			
Partition plate	/			
Top marker	ZB4 / WB4			
Side marker	DEK4			
Warning cover	EEA1.5			
Marker support	DTH3.5-25x3.5 / DTH3.5-25x12			
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	E-PC 1100A / E-WS N			

### Spring-cage connection technology

Feed-through, multi-conductor and ground terminal blocks


**WS1.5-DB**
**WS1.5-DB-11A(H)**

Order NO.	11030000035				11030000326				
Width/Length/Height	mm	5/25/17				5/25/17			
<b>Electrical Data</b>		IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-1		UL UL1059	
Rated voltage	V	800		300		800		300	
Rated current	A	17.5		10		17.5		10	
Rated cross section	mm <sup>2</sup> /AWG	0.2-1.5		28-16		0.2-1.5		28-16	
<b>Connection capacity</b>		Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup>	0.2-15	0.2-1.5	0.2-1.5	0.2-1.5	0.2-15	0.2-1.5	0.2-1.5	0.2-1
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup>	—	—	—	0.5	—	—	—	0.5
<b>General Information</b>									
Insulation material/Flammability rating (according to UL 94)		PA/V0				PA/V0			
Operation temperatures	°C ( °F )	-40(-40)~105(221)				-40(-40)~105(221)			
Stripping length	mm	8-9				8-9			
Color		Grey, Red, Blue (please contact sales for other color requirements)				Grey, Red, Blue (please contact sales for other color requirements)			
<b>Accessories</b>									
Ferrule		/				/			
Slotted screwdriver size (Blade thickness x Width)	mm	0.4x2.5				0.4x2.5			
End cover		D-WS1.5-DB				D-WS1.5-DB			
Partition plate		/				/			
Marker (Side)		DEK5				/			
Warning cover		/				/			
DIN rail mounting adapter		WHH-WS1.5-DB				/			
Terminal strip marker support		/				/			
End clamp		/				/			

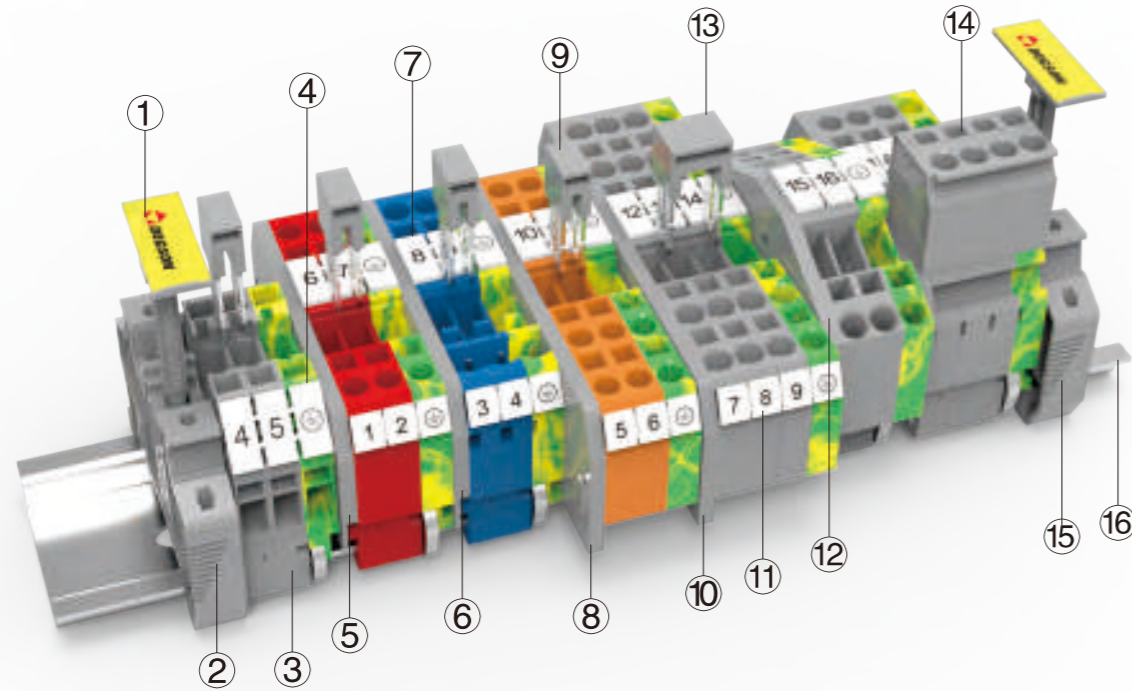
### Spring-cage connection technology

Feed-through, multi-conductor and ground terminal blocks


**WS1.5T-DB**
**WS1.5T-DB-11A(H)**

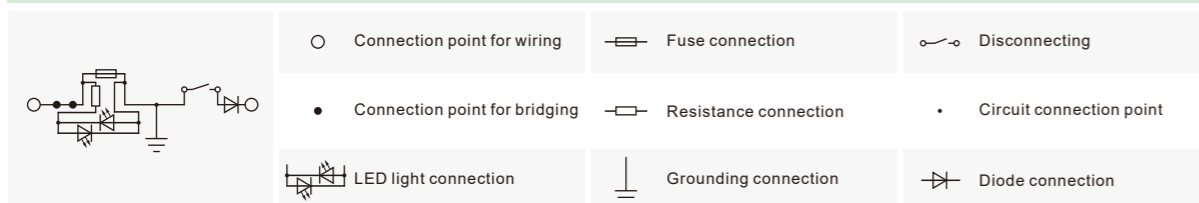
Order NO.	11030000072				11030000393				
Width/Length/Height	mm	8/25/17				8/25/17			
<b>Electrical Data</b>		IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-1		UL UL1059	
Rated voltage	V	800		300		800		300	
Rated current	A	17.5		10		17.5		10	
Rated cross section	mm <sup>2</sup> /AWG	0.2-1.5		28-16		0.2-1.5		28-16	
<b>Connection capacity</b>		Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup>	0.2-1.5	0.2-1.5	0.2-1.5	0.2-1.5	0.2-1.5	0.2-1.5	0.2-1.5	0.2-1
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup>	—	—	—	0.5	—	—	—	0.5
<b>General Information</b>									
Insulation material/Flammability rating (according to UL 94)		PA/V0				PA/V0			
Operation temperatures	°C ( °F )	-40(-40)~105(221)				-40(-40)~105(221)			
Stripping length	mm	8-9				8-9			
Color		Grey, Red, Blue (please contact sales for other color requirements)				Grey, Red, Blue (please contact sales for other color requirements)			
<b>Accessories</b>									
Ferrule		/				/			
Slotted screwdriver size (Blade thickness x Width)	mm	0.4x2.5				0.4x2.5			
End cover		D-WS1.5-DB				D-WS1.5-DB			
Partition plate		/				/			
Marker (Side)		DEK4				/			
Warning cover		/				/			
DIN rail mounting adapter		WHH-WS1.5-DB				/			
Terminal strip marker support		/				/			
End clamp		/				/			





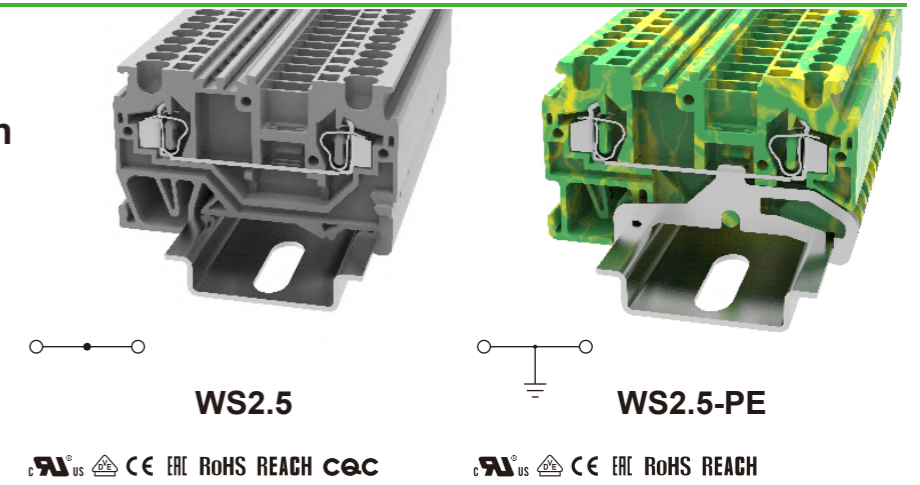
Description	Part No.	Remark
① Marker carrier	KLM3-20x8-11-00A(H)	Suitable for E-PC-1100A(H) & E-WS N
② End Clamp	E-WS N-01P-11-00A(H)	Fixing products on NS35 DIN rail
③ Terminal blocks	WS2.5-SD-01P-11-00A(H)	Spring-cage type 2.5mm <sup>2</sup> DIN Rail terminal blocks
④ Marker	ZB5-10P-19-00A(H)	Marker is used for the side of WS2.5-SD series
⑤ End cover	D-WS2.5-01P-11-00A(H)	End cover is used for WS2.5&WS2.5-PE
⑥ End cover	D-WS2.5P-01P-11-00A(H)	End cover is used for WS2.5P&WS2.5P-PE
⑦ Marker	ZB5-10P-19-00A(H)	Marker is used for the top of WS2.5 series
⑧ End cover	D-WS2.5-TW-01P-11-00A(H)	End cover is used for WS2.5-TW&WS2.5-TW-PE
⑨ Adjacent jumper	WFA2.5-01P-11-00A(H)	02P bridge, use for WS2.5 series
⑩ End cover	D-WS2.5-QU-01P-11-00A(H)	End cover is used for WS2.5-QU&WS2.5-QU-PE
⑪ Marker	DEK5-50P-19-00A(H)	Marker is used for the side of WS2.5 series
⑫ End cover	D-WS2.5-TW-TA-01P-11-00A(H)	End cover is used for WS2.5-TW-TA&WS2.5-TW-TA-PE
⑬ Alternate jumper	E-WS N-01P-11-00A(H)	02P bridge, use for WS2.5 series
⑭ Plug	8EDGK-5.0-04P-11-01A(H)	Mating with WS2.5P&WS2.5P-PE
⑮ End Clamp	E-WS-01P-11-00A(H)	Fixing products on NS35 DIN rail
⑯ DIN rail	NS35/7.5-0150-00A(H)	NS35 DIN rail

Circuit diagram



Spring-cage connection technology

Feed-through, multi-conductor and ground terminal blocks

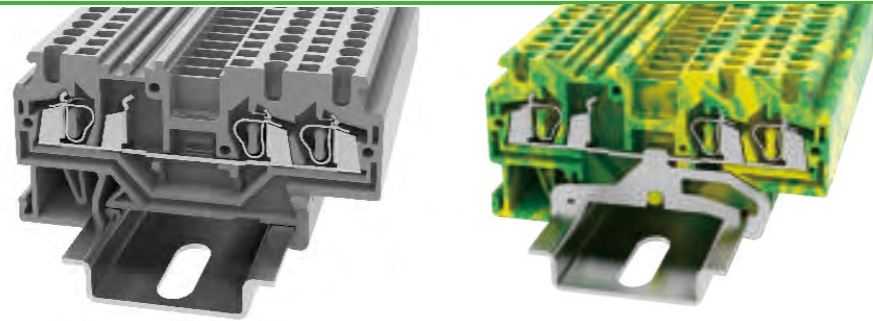


Order NO.	11030000106				11030000184			
Width/Length/Height(NS35/7.5&NS35/15)	mm				5/53/35.45(42.95)			
Electrical Data	IEC		UL		IEC		UL	
	IEC60947-7-1		UL1059		IEC60947-7-2		UL1059	
Rated voltage	V		800		600		/	
Rated current	A		24		15		/	
Rated cross section	mm <sup>2</sup> /AWG		0.2-2.5		28-14		0.2-2.5 28-14	
Connection capacity	Solid		Stranded		Ferrule (with and without plastic sleeve)		Solid Stranded Ferrule (with and without plastic sleeve)	
	1 conductor		mm <sup>2</sup>		0.2-2.5 0.2-2.5 0.2-2.5 0.2-2.5		0.2-2.5 0.2-2.5 0.2-2.5 0.2-2.5	
2 flexible conductors with a TWIN ferrule		mm <sup>2</sup>		— — — 0.5		— — — 0.5		
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)		PA/V0				PA/V0		
Operation temperatures		°C ( °F )				-40(-40)~105(221)		
Stripping length		mm				8-9		
Color		Grey, Red, Blue (please contact sales for other color requirements)				Yellow green mixed color		

Accessories			
Ferrule	/		
Slotted screwdriver size (Blade thickness x Width)	mm		0.4x2.5
Adjacent jumper	WFA2.5		/
Alternate jumper	WFB2.5		/
Staggered jumper	WFC2.5-2 WFC2.5-6		WFC2.5-3 WFC2.5-7 WFC2.5-4 WFC2.5-8 WFC2.5-5
End cover	D-WS2.5		D-WS2.5
Partition plate	/		
Top marker	ZB5 / WB5		ZB5 / WB5
Side marker	DEK5		DEK5
Warning cover	EEA2.5		EEA2.5
Marker support	DTH5-25x5 / DTH5-25x12		DTH5-25x5 / DTH5-25x12
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8		DLM2 / KLM3-20x8 / KLM3-44x8
End clamp	E-PC 1100A / E-WS N		E-PC 1100A / E-WS N

### Spring-cage connection technology

Feed-through, multi-conductor and ground terminal blocks


**WS2.5-TW**

UL US CE ENE RoHS REACH CQC

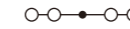
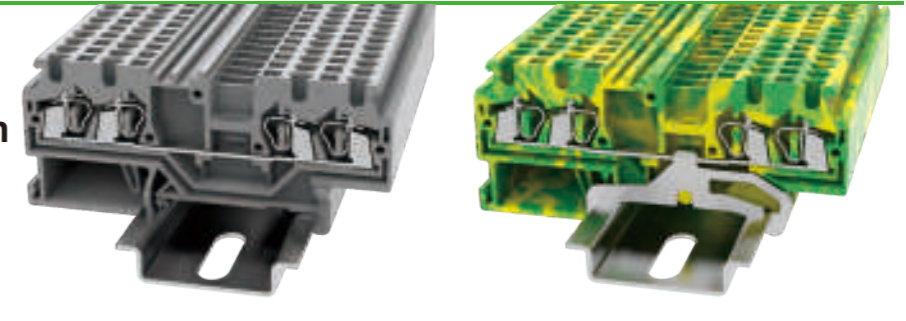

**WS2.5-TW-PE**

UL US CE ENE RoHS REACH

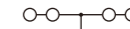
Order NO.	11030000236				11030000264			
Width/Length/Height(NS35/7.5&NS35/15)	mm 5/64.2/35.45(42.95)				mm 5/64.2/35.45(42.95)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059	
Rated voltage	V 800		V 600		/		/	
Rated current	A 24		A 15		/		/	
Rated cross section	mm <sup>2</sup> /AWG 0.2-2.5		mm <sup>2</sup> /AWG 28-14		mm <sup>2</sup> /AWG 0.2-2.5		mm <sup>2</sup> /AWG 28-14	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.2-2.5	mm <sup>2</sup> 0.2-2.5	mm <sup>2</sup> 0.2-2.5	mm <sup>2</sup> 0.2-2.5	mm <sup>2</sup> 0.2-2.5	mm <sup>2</sup> 0.2-2.5	mm <sup>2</sup> 0.2-2.5	mm <sup>2</sup> 0.2-2.5
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> -	mm <sup>2</sup> -	mm <sup>2</sup> -	mm <sup>2</sup> 0.5	mm <sup>2</sup> -	mm <sup>2</sup> -	mm <sup>2</sup> -	mm <sup>2</sup> 0.5
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)				°C ( °F ) -40(-40)~105(221)			
Stripping length	mm 9				mm 9			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Yellow green mixed color			
<b>Accessories</b>								
Ferrule	/				/			
Slotted screwdriver size (Blade thickness x Width)	mm 0.5x3.5				mm 0.5x3.5			
Adjacent jumper	WFA2.5				/			
Alternate jumper	WFB2.5				/			
Staggered jumper	WFC2.5-2 WFC2.5-6		WFC2.5-3 WFC2.5-7		WFC2.5-4 WFC2.5-8		WFC2.5-5	
End cover	D-WS2.5-TW				D-WS2.5-TW			
Partition plate	/				/			
Top marker	ZB5 / WB5				ZB5 / WB5			
Side marker	DEK5				DEK5			
Warning cover	EEA2.5				EEA2.5			
Marker support	DTH5-25x5 / DTH5-25x12				DTH5-25x5 / DTH5-25x12			
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			

### Spring-cage connection technology

Feed-through, multi-conductor and ground terminal blocks


**WS2.5-QU**

UL US CE ENE RoHS REACH CQC


**WS2.5-QU-PE**

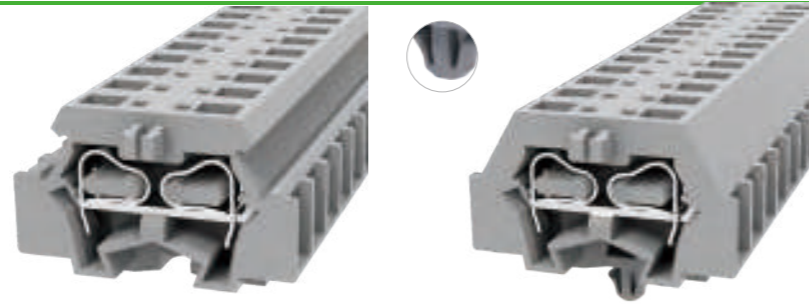
CE ENE RoHS REACH

Order NO.	11030000190				11030000194			
Width/Length/Height(NS35/7.5&NS35/15)	mm 5/75.5/35.45(42.95)				mm 5/75.5/35.45(42.95)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059	
Rated voltage	V 800		V 600		/		/	
Rated current	A 24		A 15		/		/	
Rated cross section	mm <sup>2</sup> /AWG 0.2-2.5		mm <sup>2</sup> /AWG 28-14		mm <sup>2</sup> /AWG 0.2-2.5		mm <sup>2</sup> /AWG 28-14	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.2-2.5	mm <sup>2</sup> 0.2-2.5	mm <sup>2</sup> 0.2-2.5	mm <sup>2</sup> 0.2-2.5	mm <sup>2</sup> 0.2-2.5	mm <sup>2</sup> 0.2-2.5	mm <sup>2</sup> 0.2-2.5	mm <sup>2</sup> 0.2-2.5
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> -	mm <sup>2</sup> -	mm <sup>2</sup> -	mm <sup>2</sup> 0.5	mm <sup>2</sup> -	mm <sup>2</sup> -	mm <sup>2</sup> -	mm <sup>2</sup> 0.5
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)				°C ( °F ) -40(-40)~105(221)			
Stripping length	mm 9				mm 9			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Yellow green mixed color			
<b>Accessories</b>								
Ferrule	/				/			
Slotted screwdriver size (Blade thickness x Width)	mm 0.5x3.5				mm 0.5x3.5			
Adjacent jumper	WFA2.5				/			
Alternate jumper	WFB2.5				/			
Staggered jumper	WFC2.5-2 WFC2.5-6		WFC2.5-3 WFC2.5-7		WFC2.5-4 WFC2.5-8		WFC2.5-5	
End cover	D-WS2.5-QU				D-WS2.5-QU			
Partition plate	/				/			
Top marker	ZB5 / WB5				ZB5 / WB5			
Side marker	DEK5				DEK5			
Warning cover	EEA2.5				EEA2.5			
Marker support	DTH5-25x5 / DTH5-25x12				DTH5-25x5 / DTH5-25x12			
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			



### Spring-cage connection technology

Feed-through, multi-conductor and ground terminal blocks

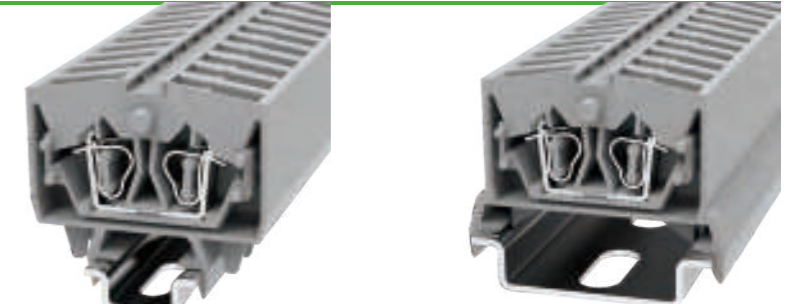

**WS2.5-DB**

**WS2.5-DB-11A(H)**

Order NO.	11030000577				11030000133				
Width/Length/Height	mm	6/28/18				6/28/18			
<b>Electrical Data</b>		IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-1		UL UL1059	
Rated voltage	V	800		300		800		300	
Rated current	A	24		15		24		15	
Rated cross section	mm <sup>2</sup> /AWG	0.2-2.5		28-14		0.2-2.5		28-14	
<b>Connection capacity</b>		Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup>	0.2-2.5	0.2-2.5	0.2-2.5	0.2-2.5	0.2-2.5	0.2-2.5	0.2-2.5	0.2-1.5
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup>	—	—	—	0.5	—	—	—	0.5
<b>General Information</b>									
Insulation material/Flammability rating (according to UL 94)		PA/V0				PA/V0			
Operation temperatures	°C ( °F )	-40(-40)~105(221)				-40(-40)~105(221)			
Stripping length	mm	8-9				8-9			
Color		Grey, Red, Blue (please contact sales for other color requirements)				Grey, Red, Blue (please contact sales for other color requirements)			
<b>Accessories</b>									
Ferrule		/				/			
Slotted screwdriver size (Blade thickness x Width)	mm	0.5x3.5				0.5x3.5			
End cover		D-WS1.5-DB				D-WS1.5-DB			
Partition plate		/				/			
Marker (Side)		DEK6				/			
Warning cover		/				/			
DIN rail mounting adapter		WHH-WS1.5-DB				/			
Terminal strip marker support		/				/			
End clamp		/				/			

### Spring-cage connection technology

Feed-through, multi-conductor and ground terminal blocks


**WS2.5-DIN15**

**WS2.5-DIN35**

Order NO.	11030000153				11030000155				
Width/Length/Height	mm	6/32/31.88				6/32/31.88			
<b>Electrical Data</b>		IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-1		UL UL1059	
Rated voltage	V	800		600		800		600	
Rated current	A	24		20		24		20	
Rated cross section	mm <sup>2</sup> /AWG	0.2-2.5		28-12		0.2-2.5		28-12	
<b>Connection capacity</b>		Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup>	0.2-2.5	0.2-2.5	0.2-2.5	0.2-2.5	0.2-2.5	0.2-2.5	0.2-2.5	0.2-2.5
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup>	—	—	—	0.5	—	—	—	0.5
<b>General Information</b>									
Insulation material/Flammability rating (according to UL 94)		PA/V0				PA/V0			
Operation temperatures	°C ( °F )	-40(-40)~105(221)				-40(-40)~105(221)			
Stripping length	mm	8-9				8-9			
Color		Grey, Red, Blue (please contact sales for other color requirements)				Grey, Red, Blue (please contact sales for other color requirements)			
<b>Accessories</b>									
Ferrule		/				/			
Slotted screwdriver size (Blade thickness x Width)	mm	0.5x3.5				0.5x3.5			
Adjacent jumper(2P)		WFE-2.5				WFE-2.5			
End cover		D-WS2.5-MID-CO				D-WS2.5-MID-CO			
Partition plate		/				/			
Marker (Side)		ZW5				ZW5			
Warning cover		/				/			
DIN rail mounting adapter		WHH-WS1.5-DB				/			
Terminal strip marker support		/				/			
End clamp		/				/			

### Spring-cage connection technology

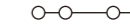
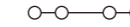
Feed-through, multi-conductor and ground terminal blocks


**WS2.5-MID-CO**
**WS2.5-END-CO**

Order NO.	11030000157				11030000156				
Width/Length/Height	mm	6/32/22				12/32/22			
<b>Electrical Data</b>		IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-1		UL UL1059	
Rated voltage	V	800		600		800		600	
Rated current	A	24		20		24		20	
Rated cross section	mm <sup>2</sup> /AWG	0.2-2.5		28-12		0.2-2.5		28-12	
<b>Connection capacity</b>		Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup>	0.2-2.5	0.2-2.5	0.2-1.5	0.2-1.5	0.2-2.5	0.2-2.5	0.2-1.5	0.2-1.5
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup>	—	—	—	0.5	—	—	—	0.5
<b>General Information</b>									
Insulation material/Flammability rating (according to UL 94)		PA/V0				PA/V0			
Operation temperatures	°C ( °F )	-40(-40)~105(221)				-40(-40)~105(221)			
Stripping length	mm	8-9				8-9			
Color		Grey, Red, Blue (please contact sales for other color requirements)				Grey, Red, Blue (please contact sales for other color requirements)			
<b>Accessories</b>									
Ferrule		/				/			
Slotted screwdriver size (Blade thickness x Width)	mm	0.5x3.5				0.5x3.5			
Adjacent jumper(2P)		WFE-2.5				WFE-2.5			
Alternate jumper		/				/			
Staggered jumper		/				/			
End cover		D-WS2.5-MID-CO				D-WS2.5-END-CO			
Partition plate		/				/			
Top marker		ZW5				ZW5			
Side marker		/				/			
Warning cover		/				/			
Marker support		/				/			
Terminal strip marker support		/				/			
End clamp		/				/			

### Spring-cage connection technology

Feed-through, multi-conductor and ground terminal blocks

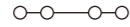

**WS2.5T-DB**
**WS2.5T-DB-11A(H)**

Order NO.	11030000197				11030000373				
Width/Length/Height	mm	10/28/18				10/28/18			
<b>Electrical Data</b>		IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-1		UL UL1059	
Rated voltage	V	800		300		800		300	
Rated current	A	24		15		24		15	
Rated cross section	mm <sup>2</sup> /AWG	0.2-2.5		28-14		0.2-2.5		28-14	
<b>Connection capacity</b>		Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup>	0.2-2.5	0.2-2.5	0.2-2.5	0.2-2.5	0.2-2.5	0.2-2.5	0.2-2.5	0.2-2.5
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup>	—	—	—	0.5	—	—	—	0.5
<b>General Information</b>									
Insulation material/Flammability rating (according to UL 94)		PA/V0				PA/V0			
Operation temperatures	°C ( °F )	-40(-40)~105(221)				-40(-40)~105(221)			
Stripping length	mm	8-9				8-9			
Color		Grey, Red, Blue (please contact sales for other color requirements)				Grey, Red, Blue (please contact sales for other color requirements)			
<b>Accessories</b>									
Ferrule		/				/			
Slotted screwdriver size (Blade thickness x Width)	mm	0.5x3.5				0.5x3.5			
Adjacent jumper(2P)		WFE-2.5				WFE-2.5			
End cover		D-WS2.5-DB				D-WS2.5-DB			
Partition plate		/				/			
Marker (Side)		DEK5				/			
Warning cover		/				/			
DIN rail mounting adapter		WHH-WS1.5-DB				/			
Terminal strip marker support		/				/			
End clamp		/				/			



## Spring-cage connection technology

Feed-through, multi-conductor and ground terminal blocks

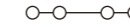
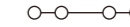

**WS2.5T-DIN15**

**WS2.5T-DIN35**

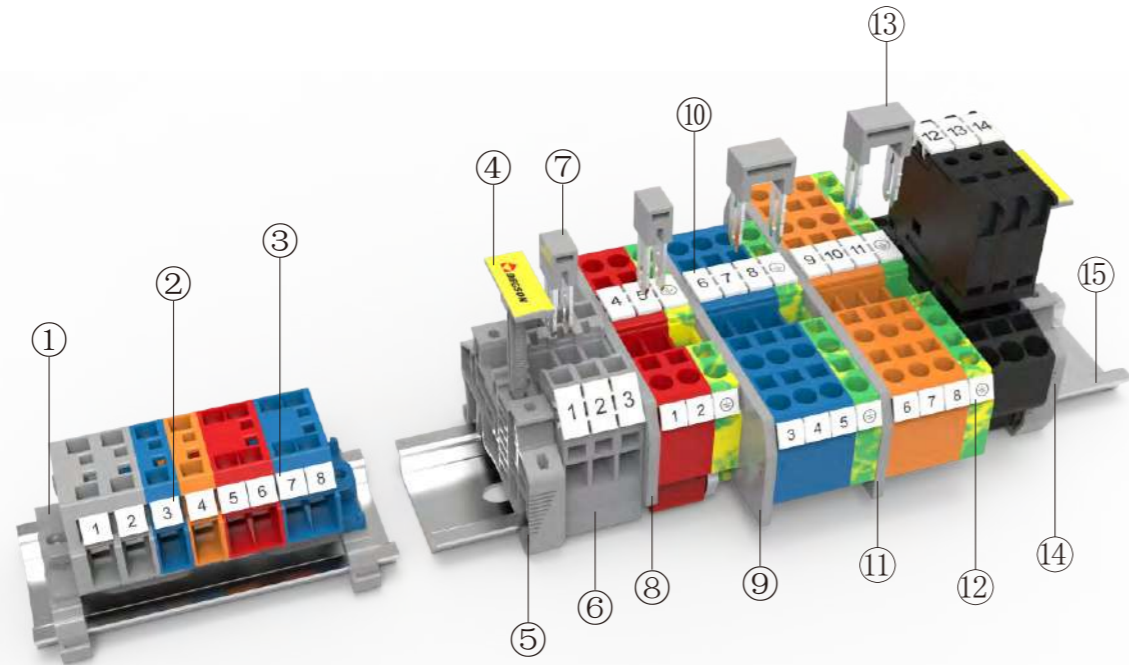
Order NO.	11030000226				11030000688				
Width/Length/Height	mm	10/32/31.88				10/32/31.88(39.38)			
<b>Electrical Data</b>		IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-1		UL UL1059	
Rated voltage	V	800		600		800		600	
Rated current	A	24		20		24		20	
Rated cross section	mm <sup>2</sup> /AWG	0.2-2.5		28-12		0.2-2.5		28-12	
<b>Connection capacity</b>		Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup>	0.2-2.5	0.2-2.5	0.2-1.5	0.2-1.5	0.2-2.5	0.2-2.5	0.2-1.5	0.2-1.5
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup>	—	—	—	0.5	—	—	—	0.5
<b>General Information</b>									
Insulation material/Flammability rating (according to UL 94)		PA/V0				PA/V0			
Operation temperatures	°C ( °F )	-40(-40)~105(221)				-40(-40)~105(221)			
Stripping length	mm	8-9				8-9			
Color		Grey, Red, Blue (please contact sales for other color requirements)				Grey, Red, Blue (please contact sales for other color requirements)			
<b>Accessories</b>									
Ferrule		/				/			
Slotted screwdriver size (Blade thickness x Width)	mm	0.5x3.5				0.5x3.5			
Adjacent jumper		/				/			
End cover		D-WS2.5-MID-CO				D-WS2.5-MID-CO			
Partition plate		/				/			
Marker (Side)		ZW5				ZW5			
Warning cover		/				/			
DIN rail mounting adapter		/				/			
Terminal strip marker support		/				/			
End clamp		/				/			
DIN rail		NS15				NS35/7.5 & NS35/15 Steel and Aluminium alloy are optional)			

## Spring-cage connection technology

Feed-through, multi-conductor and ground terminal blocks

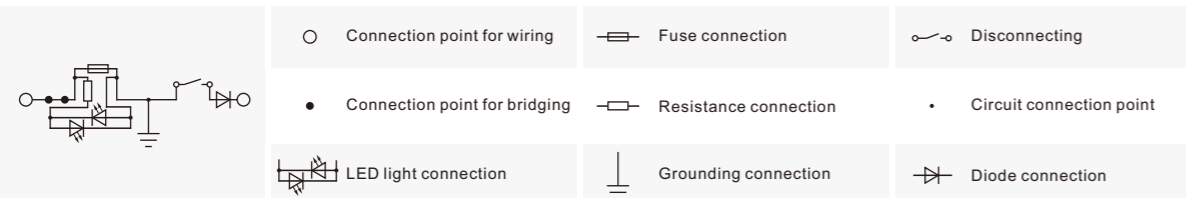

**WS2.5T-MID-CO**

**WS2.5T-END-CO**

Order NO.	11030000229				11030000228				
Width/Length/Height	mm	10/32/22				10/32/22			
<b>Electrical Data</b>		IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-1		UL UL1059	
Rated voltage	V	800		600		800		600	
Rated current	A	24		20		24		20	
Rated cross section	mm <sup>2</sup> /AWG	0.2-2.5		28-12		0.2-2.5		28-12	
<b>Connection capacity</b>		Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup>	0.2-2.5	0.2-2.5	0.2-1.5	0.2-1.5	0.2-2.5	0.2-2.5	0.2-1.5	0.2-1.5
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup>	—	—	—	0.5	—	—	—	0.5
<b>General Information</b>									
Insulation material/Flammability rating (according to UL 94)		PA/V0				PA/V0			
Operation temperatures	°C ( °F )	-40(-40)~105(221)				-40(-40)~105(221)			
Stripping length	mm	8-9				8-9			
Color		Grey, Red, Blue (please contact sales for other color requirements)				Grey, Red, Blue (please contact sales for other color requirements)			
<b>Accessories</b>									
Ferrule		/				/			
Slotted screwdriver size (Blade thickness x Width)	mm	0.5x3.5				0.5x3.5			
Adjacent jumper		/				/			
Alternate jumper		/				/			
Staggered jumper		/				/			
End cover		D-WS2.5-MID-CO				D-WS2.5-END-CO			
Partition plate		/				/			
Top marker		ZW5				ZW5			
Side marker		/				/			
Warning cover		/				/			
Marker support		/				/			
Terminal strip marker support		/				/			
End clamp		/				/			



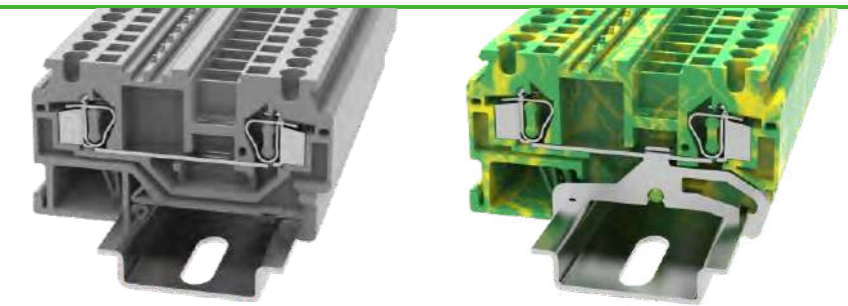
Description	Part No.	Remark
① Mounting foot with screw	WHH-WS1.5-DB-01P-11-00A(H)	For DIN35, can be screwed on terminal blocks with mounting flange
② Marker	DEK6-50P-19-00A(H)	Marker is used for the side of WS4-DB series
③ Marker	DEK6-50P-19-00A(H)	Marker is used for the side of WS4T-DB series
④ Marker carrier	KLM3-20x8-11-00A(H)	Suitable for E-PC-1100A(H) & E-WS N
⑤ End clamp	E-WS N-01P-11-00A(H)	Fixing products on NS35 DIN rail
⑥ Terminal blocks	WS4-SD-01P-11-00A(H)	Spring-cage type 4mm <sup>2</sup> DIN Rail terminal blocks
⑦ Adjacent jumper	WFA4-01P-11-00A(H)	02P bridge, use for WS4 series
⑧ End cover	D-WS4-01P-11-00A(H)	End cover is used for WS4&WS4-PE
⑨ End cover	D-WS4-TW-01P-11-00A(H)	End cover is used for WS4-TW&WS4-TW-PE
⑩ Marker	ZB6-10P-19-00A(H)	Marker is used for the top of WS4 series
⑪ End cover	D-WS4-QU-01P-11-00A(H)	End cover is used for WS4-QU&WS4-QU-PE
⑫ Marker	DEK6-50P-19-00A(H)	Marker is used for the side of WS4 series
⑬ Alternate jumper	WFB4-01P-11-00A(H)	02P bridge, use for WS4 series
⑭ End clamp	E-WS N-01P-11-00A(H)	Fixing products on NS35 DIN rail
⑮ DIN rail	NS35/7.5-0150-00A(H)	NS35 DIN rail

Circuit diagram



Spring-cage connection technology

Feed-through, multi-conductor and ground terminal blocks



WS4

UL CE ENE RoHS REACH C&C



WS4-PE

UL CE ENE RoHS REACH

Order NO.	11030000273	11030000291					
Width/Length/Height(NS35/7.5&NS35/15) mm	6/60.4/36.45(43.95)	6/60.4/36.45(43.95)					
<b>Electrical Data</b>	IEC IEC60947-7-1	UL UL1059	IEC IEC60947-7-2	UL UL1059			
Rated voltage V	800	600	/	/			
Rated current A	24	15	/	/			
Rated cross section mm <sup>2</sup> /AWG	0.2-4	28-12	0.2-4	28-12			
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)	Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor mm <sup>2</sup>	0.2-4	0.2-4	0.2-4	0.2-4	0.2-4	0.2-4	
2 flexible conductors with a TWIN ferrule mm <sup>2</sup>	—	—	—	0.5-1	—	—	0.5-1

General Information

Insulation material/Flammability rating (according to UL 94)	PA/V0	PA/V0
Operation temperatures °C ( °F )	-40(-40)-105(221)	-40(-40)-105(221)
Stripping length mm	13-14	13-14
Color	Grey, Red, Blue (please contact sales for other color requirements)	Yellow green mixed color

Accessories

Ferrule	/	/
Slotted screwdriver size (Blade thickness x Width) mm	0.5x3.5	0.5x3.5
Adjacent jumper	WFA4	/
Alternate jumper	WFB4	/
Staggered jumper	/	/
End cover	D-WS4	D-WS4
Partition plate	/	/
Top marker	ZB6	ZB6
Side marker	DEK6	DEK6
Warning cover	EEA4	EEA4
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8	DLM2 / KLM3-20x8 / KLM3-44x8
End clamp	E-PC 1100A / E-WS N	E-WS / E-PC / E-MK / E-WS N



## Spring-cage connection technology

Feed-through, multi-conductor and ground terminal blocks

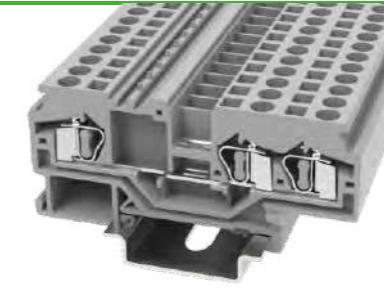

**WS4-DB**

CE ENEC RoHS REACH

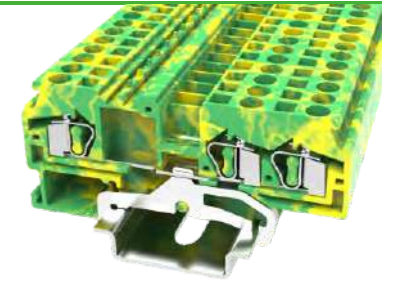
Order NO.	11030000281			
Width/Length/Height	mm	7/33.4/23		
<b>Electrical Data</b>		IEC IEC60947-7-1	UL UL1059	
Rated voltage	V	630	300	
Rated current	A	32	20	
Rated cross section	mm <sup>2</sup> /AWG	0.2-4	28-12	
<b>Connection capacity</b>		Solid	Stranded	Ferrule (with and without plastic sleeve)
1 conductor	mm <sup>2</sup>	0.2-4	0.2-4	0.2-4
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup>	—	—	0.5-1
<b>General Information</b>				
Insulation material/Flammability rating (according to UL 94)		PA/V0		
Operation temperatures	°C ( °F )	-40(-40)~105(221)		
Stripping length	mm	10-11		
Color		Grey, Red, Blue (please contact sales for other color requirements)		
<b>Accessories</b>				
Ferrule		/		
Slotted screwdriver size (Blade thickness x Width)	mm	0.5x3.5		
Adjacent jumper		/		
End cover		D-WS4-DB		
Partition plate		/		
Marker (Side)		DEK6		
Warning cover		/		
DIN rail mounting adapter		WHH-WS1.5-DB		
Terminal strip marker support		/		
End clamp		/		

## Spring-cage connection technology

Feed-through, multi-conductor and ground terminal blocks


**WS4-TW**

UL US CE ENEC RoHS REACH CQC

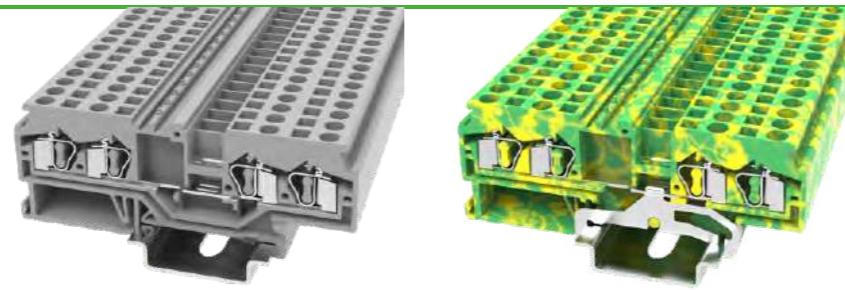
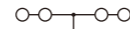

**WS4-TW-PE**

UL US CE ENEC RoHS REACH CQC

Order NO.	11030000302				11030000305			
Width/Length/Height(NS35/7.5&NS35/15)	mm	6/73.5/36.45(43.95)			6/73.5/36.45(43.95)			
<b>Electrical Data</b>		IEC IEC60947-7-1	UL UL1059		IEC IEC60947-7-2	UL UL1059		
Rated voltage	V	800	600		/	/		
Rated current	A	32	20		/	/		
Rated cross section	mm <sup>2</sup> /AWG	0.2-4	28-12		0.2-4	28-12		
<b>Connection capacity</b>		Solid	Stranded	Ferrule (with and without plastic sleeve)	Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup>	0.2-4	0.2-4	0.2-4	0.2-4	0.2-4	0.2-4	0.2-4
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup>	—	—	0.5-1	—	—	—	0.5-1
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)		PA/V0			PA/V0			
Operation temperatures	°C ( °F )	-40(-40)~105(221)			-40(-40)~105(221)			
Stripping length	mm	10-12			10-12			
Color		Grey, Red, Blue (please contact sales for other color requirements)			Yellow green mixed color			
<b>Accessories</b>								
Ferrule		/			/			
Slotted screwdriver size (Blade thickness x Width)	mm	0.5x3.5			0.5x3.5			
Adjacent jumper		WFA4			/			
Alternate jumper		WFB4			/			
Staggered jumper		/			/			
End cover		D-WS4-TW			D-WS4-TW			
Partition plate		/			/			
Top marker		ZB6			ZB6			
Side marker		DEK6			DEK6			
Warning cover		EEA4			EEA4			
Terminal strip marker support		DLM2 / KLM3-20x8 / KLM3-44x8			DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp		E-PC 1100A / E-WS N			E-WS / E-PC / E-MK / E-WS N			

## Spring-cage connection technology

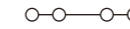
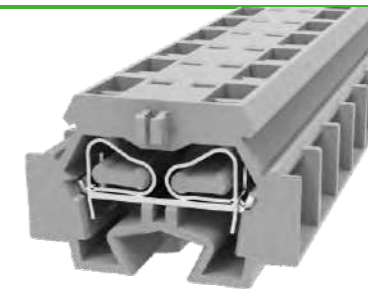
Feed-through, multi-conductor and ground terminal blocks


**WS4-QU**

**WS4-QU-PE**

Order NO.	11030000292				11030000294				
Width/Length/Height(NS35/7.5&NS35/15)	mm	6/86.2/36.45(43.95)				6/86.2/36.45(43.95)			
<b>Electrical Data</b>		IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059	
Rated voltage	V	800		600		/		/	
Rated current	A	32		20		/		/	
Rated cross section	mm <sup>2</sup> /AWG	0.2-4		28-12		0.2-4		28-12	
<b>Connection capacity</b>		Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup>	0.2-4	0.2-4	0.2-2.5	0.2-2.5	0.2-4	0.2-4	0.2-2.5	0.2-2.5
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup>	—	—	—	0.5-1	—	—	—	0.5-1
<b>General Information</b>									
Insulation material/Flammability rating (according to UL 94)		PA/V0				PA/V0			
Operation temperatures	°C ( °F )	-40(-40)~105(221)				-40(-40)~105(221)			
Stripping length	mm	11-12				11-12			
Color		Grey, Red, Blue (please contact sales for other color requirements)				Yellow green mixed color			
<b>Accessories</b>									
Ferrule		/				/			
Slotted screwdriver size (Blade thickness x Width)	mm	0.5x3.5				0.5x3.5			
Adjacent jumper		WFA4				/			
Alternate jumper		WFB4				/			
Staggered jumper		/				/			
End cover		D-WS4-QU				D-WS4-QU			
Partition plate		/				/			
Top marker		ZB6				ZB6			
Side marker		DEK6				DEK6			
Warning cover		EEA4				EEA4			
Terminal strip marker support		DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp		E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			

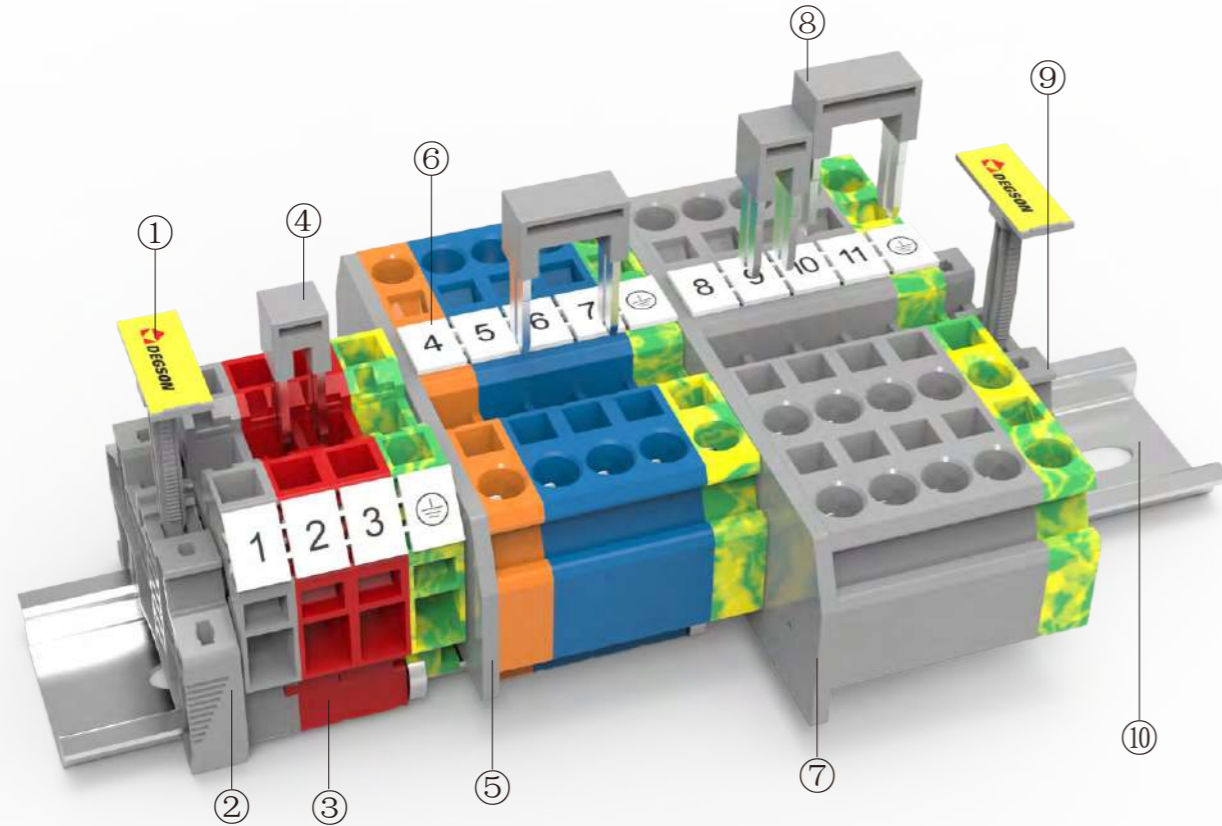
## Spring-cage connection technology

Feed-through, multi-conductor and ground terminal blocks


**WS4T-DB**

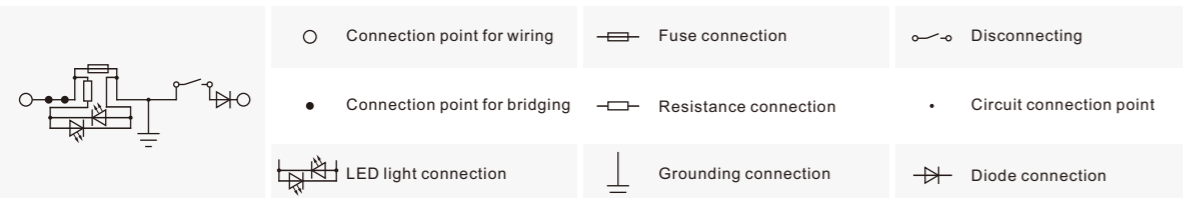
Order NO.	11030000299				
Width/Length/Height	mm	12/33.4/23			
<b>Electrical Data</b>		IEC IEC60947-7-1		UL UL1059	
Rated voltage	V	800		300	
Rated current	A	32		20	
Rated cross section	mm <sup>2</sup> /AWG	0.2-4		28-12	
<b>Connection capacity</b>		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup>	0.2-4	0.2-4	0.2-4	0.2-4
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup>	—	—	—	0.5-1
<b>General Information</b>					
Insulation material/Flammability rating (according to UL 94)		PA/V0			
Operation temperatures	°C ( °F )	-40(-40)~105(221)			
Stripping length	mm	10-11			
Color		Grey, Red, Blue (please contact sales for other color requirements)			
<b>Accessories</b>					
Ferrule		/			
Slotted screwdriver size (Blade thickness x Width)	mm	0.5x3.5			
Adjacent jumper		/			
End cover		D-WS4-DB			
Partition plate		/			
Marker (Side)		DEK6			
Warning cover		/			
DIN rail mounting adapter		WHH-WS1.5-DB			
Terminal strip marker support		/			
End clamp		/			





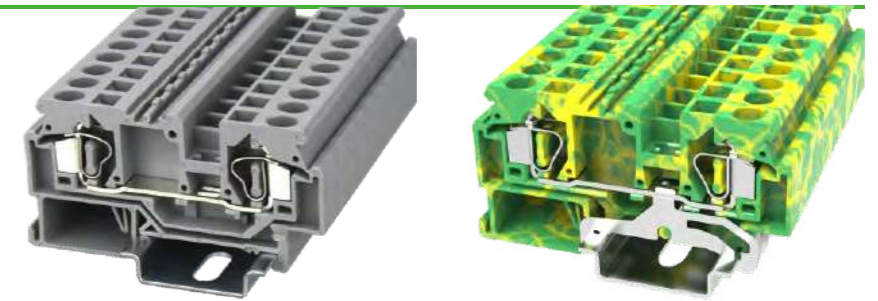
Description	Part No.	Remark
① Marker carrier	KLM3-20x8-11-00A(H)	Suitable for E-PC-1100A(H) & E-WS N
② End clamp	E-WS N-01P-11-00A(H)	Fixing products on NS35 DIN rail
③ Terminal blocks	WS6-SD-01P-11-00A(H)	Spring-cage type 6mm <sup>2</sup> DIN Rail terminal blocks
④ Adjacent jumper	WFA6-01P-11-00A(H)	02P bridge, use for WS6 series
⑤ End cover	D-WS6-01P-11-00A(H)	End cover is used for WS6&WS6-PE
⑥ Marker	ZB8-10P-19-00A(H)	Marker is used for the top of WS6 series
⑦ End cover	D-WS6-TW-01P-11-00A(H)	End cover is used for WS6-TW&WS6-TW-PE
⑧ Alternate jumper	WFB6-01P-11-00A(H)	02P bridge, use for WS6 series
⑨ End clamp	E-WS N-01P-11-00A(H)	Fixing products on NS35 DIN rail
⑩ DIN rail	NS35/7.5-0150-00A(H)	NS35 DIN rail

Circuit diagram



Spring-cage connection technology

Feed-through, multi-conductor and ground terminal blocks



WS6

UL CE ERE RoHS REACH



WS6-PE

UL CE ERE RoHS REACH

Order NO.	11030000306				11030000314			
Width/Length/Height(NS35/7.5&NS35/15)	mm 8/74.5/40(47.5)				8/74.5/40(47.5)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059	
Rated voltage	V 800		600		/		/	
Rated current	A 41		30		/		/	
Rated cross section	mm <sup>2</sup> /AWG 0.2-6		24-10		0.2-6		24-10	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.2-6	0.2-6	0.2-6	0.2-6	0.2-6	0.2-6	0.2-6	0.2-6
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> -	-	-	0.5-2.5	-	-	-	0.5-2.5
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)				-40(-40)~105(221)			
Stripping length	mm 12-13				12-13			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Yellow green mixed color			
<b>Accessories</b>								
Ferrule	/				/			
Slotted screwdriver size (Blade thickness x Width)	mm 0.8x5.5				0.8x5.5			
Adjacent jumper					/			
Alternate jumper					/			
Staggered jumper	/				/			
End cover					D-WS6			
Partition plate	/				/			
Top marker					ZB8			
Side marker	/				/			
Warning cover					EEA6			
Terminal strip marker support					DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp					E-PC 1100A / E-WS N			
					E-WS / E-PC / E-MK / E-WS N			

## Spring-cage connection technology

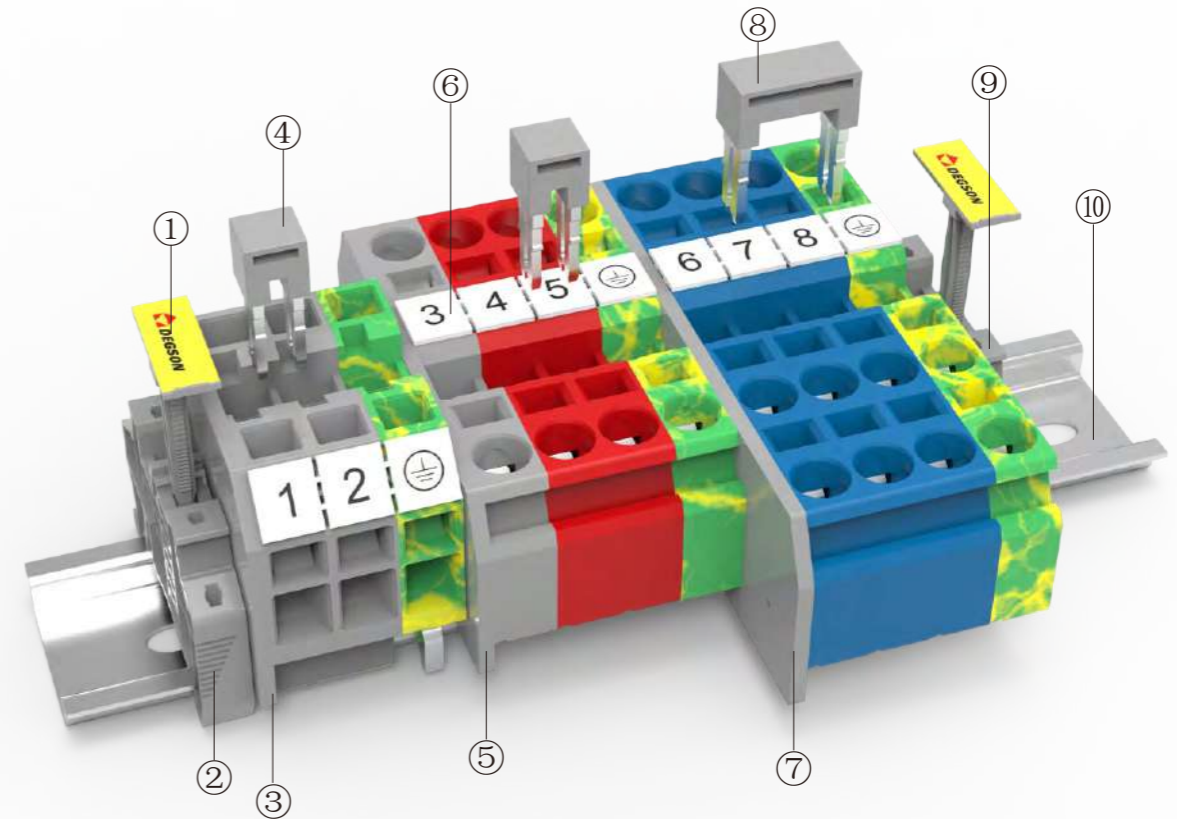
Feed-through, multi-conductor and ground terminal blocks


**WS6-TW**

**WS6-TW-PE**

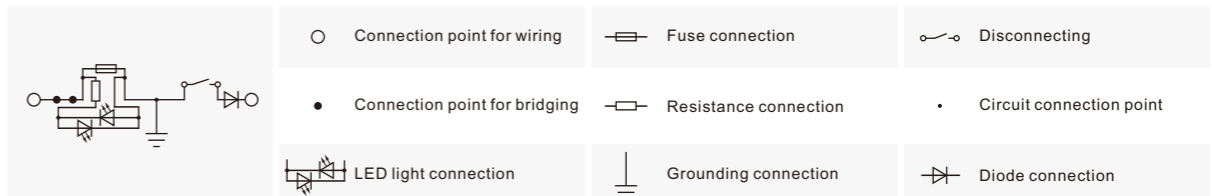

Order NO.	11030000320				11030000322			
Width/Length/Height(NS35/7.5&NS35/15)	mm 8/93/40(47.5)				mm 8/93/40(47.5)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059	
Rated voltage	V 800		600		/		/	
Rated current	A 41		30		/		/	
Rated cross section	mm <sup>2</sup> /AWG 0.2-6		24-10		0.2-6		24-10	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup>	0.2-6	0.2-6	0.2-6	0.2-6	0.2-6	0.2-6	0.2-6
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup>	—	—	0.5-2.5	—	—	—	0.5-2.5
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)				-40(-40)~105(221)			
Stripping length	mm 13-14				13-14			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Yellow green mixed color			

<b>Accessories</b>								
Ferrule	/				/			
Slotted screwdriver size (Blade thickness x Width)	mm 0.8x5.5				0.8x5.5			
Adjacent jumper					/			
Alternate jumper					/			
Staggered jumper	/				/			
End cover					D-WS6-TW			
Partition plate	/				/			
Top marker					ZB8			
Side marker	/				/			
Warning cover					EEA6			
Terminal strip marker support					DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp					E-PC 1100A / E-WS N			



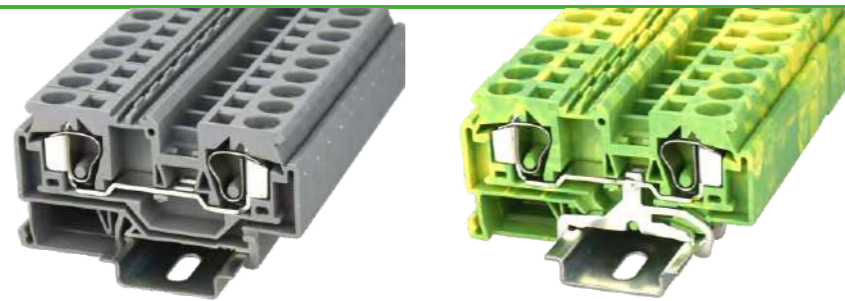
Description	Part No.	Remark
① Marker carrier	KLM3-20x8-11-00A(H)	Suitable for E-PC-1100A(H) & E-WS N
② End clamp	E-WS N-01P-11-00A(H)	Fixing products on NS35 DIN rail
③ End cover	D-WS10-SD-01P-11-00A(H)	End cover is used for WS10-SD&WS10-SD-PE
④ Adjacent jumper	WFA10-01P-11-00A(H)	02P bridge, use for WS10 series
⑤ End cover	D-WS10-01P-11-00A(H)	End cover is used for WS10&WS10-PE
⑥ Marker	ZB10-10P-19-00A(H)	Marker is used for the top of WS10 series
⑦ End cover	D-WS10-TW-01P-11-00A(H)	End cover is used for WS10-TW&WS10-TW-PE
⑧ Alternate jumper	WFB10-01P-11-00A(H)	02P bridge, use for WS10 series
⑨ End clamp	E-WS N-01P-11-00A(H)	Fixing products on NS35 DIN rail
⑩ DIN rail	NS35/7.5-0150-00A(H)	NS35 DIN rail

### Circuit diagram



### Spring-cage connection technology

Feed-through, multi-conductor and ground terminal blocks

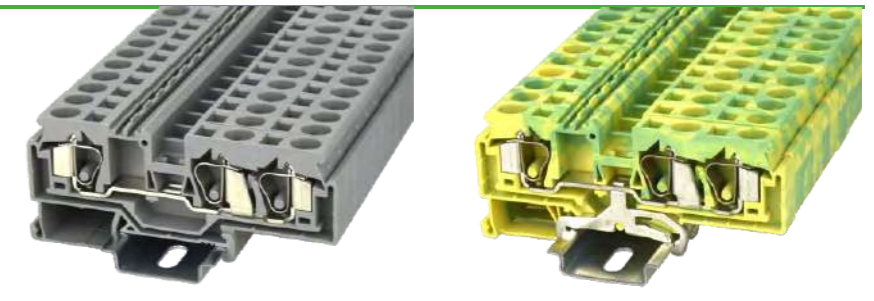

**WS10**

**WS10-PE**

Order NO.	11030000001				11030000020			
Width/Length/Height(NS35/7.5&NS35/15)	mm 10/77.5/42.5(50)				mm 10/77.5/42.5(50)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059	
Rated voltage	V 800		V 600		/		/	
Rated current	A 57		A 50		/		/	
Rated cross section	mm <sup>2</sup> /AWG 0.2-10		mm <sup>2</sup> /AWG 24-8		mm <sup>2</sup> /AWG 0.2-10		mm <sup>2</sup> /AWG 24-8	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.2-10	mm <sup>2</sup> 0.2-10	mm <sup>2</sup> 0.2-10	mm <sup>2</sup> 0.2-10	mm <sup>2</sup> 0.2-10	mm <sup>2</sup> 0.2-10	mm <sup>2</sup> 0.2-10	mm <sup>2</sup> 0.2-10
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> —	mm <sup>2</sup> —	mm <sup>2</sup> —	mm <sup>2</sup> 0.5-4	mm <sup>2</sup> —	mm <sup>2</sup> —	mm <sup>2</sup> —	mm <sup>2</sup> 0.5-4
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)				°C ( °F ) -40(-40)~105(221)			
Stripping length	mm 13-14				mm 13-14			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Yellow green mixed color			
<b>Accessories</b>								
Ferrule	/				/			
Slotted screwdriver size (Blade thickness x Width)	mm 0.8x5.5				mm 0.8x5.5			
Adjacent jumper	WFA10				/			
Alternate jumper	WFB10				/			
Staggered jumper	/				/			
End cover	D-WS10				D-WS10			
Partition plate	/				/			
Top marker	ZB10				ZB10			
Side marker	/				/			
Warning cover	EEA10				EEA10			
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			

### Spring-cage connection technology

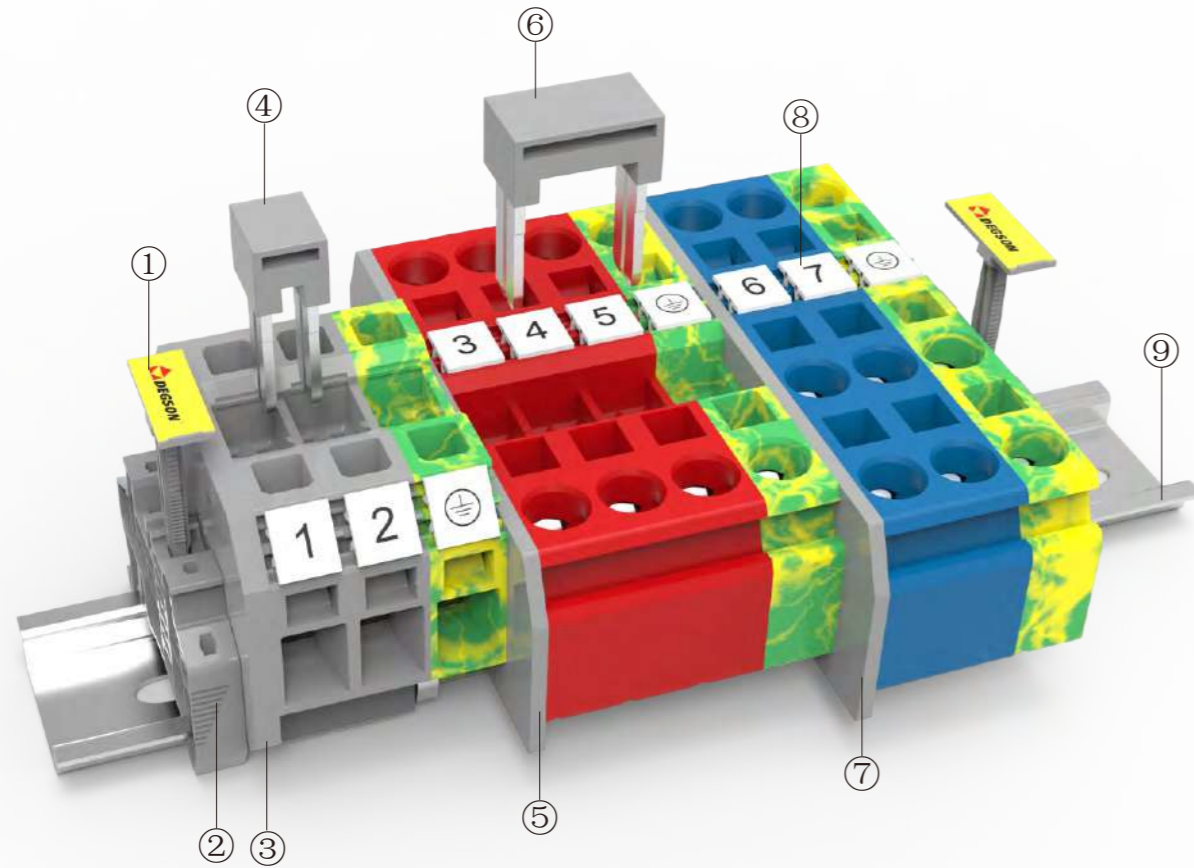
Feed-through, multi-conductor and ground terminal blocks


**WS10-TW**

**WS10-TW-PE**

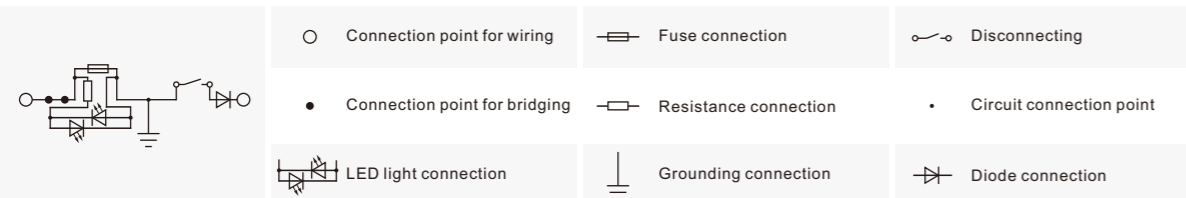
Order NO.	11030000023				11030000026			
Width/Length/Height(NS35/7.5&NS35/15)	mm 10/97.5/42.5(50)				mm 10/97.5/42.5(50)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059	
Rated voltage	V 800		V 600		/		/	
Rated current	A 57		A 50		/		/	
Rated cross section	mm <sup>2</sup> /AWG 0.2-10		mm <sup>2</sup> /AWG 24-8		mm <sup>2</sup> /AWG 0.2-10		mm <sup>2</sup> /AWG 24-8	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.2-10	mm <sup>2</sup> 0.2-10	mm <sup>2</sup> 0.2-10	mm <sup>2</sup> 0.2-10	mm <sup>2</sup> 0.2-10	mm <sup>2</sup> 0.2-10	mm <sup>2</sup> 0.2-10	mm <sup>2</sup> 0.2-10
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> —	mm <sup>2</sup> —	mm <sup>2</sup> —	mm <sup>2</sup> 0.5-4	mm <sup>2</sup> —	mm <sup>2</sup> —	mm <sup>2</sup> —	mm <sup>2</sup> 0.5-4
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)				°C ( °F ) -40(-40)~105(221)			
Stripping length	mm 13-14				mm 13-14			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Yellow green mixed color			
<b>Accessories</b>								
Ferrule	/				/			
Slotted screwdriver size (Blade thickness x Width)	mm 0.8x5.5				mm 0.8x5.5			
Adjacent jumper	WFA10				/			
Alternate jumper	WFB10				/			
Staggered jumper	/				/			
End cover	D-WS10-TW				D-WS10-TW			
Partition plate	/				/			
Top marker	ZB10				ZB10			
Side marker	/				/			
Warning cover	EEA10				EEA10			
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	E-PC 1100A / E-WS N				E-WS / E-PC / E-MK / E-WS N			





Description	Part No.	Remark
① Marker carrier	KLM3-20x8-11-00A(H)	Suitable for E-PC-1100A(H) & E-WS N
② End clamp	E-WS N-01P-11-00A(H)	Fixing products on NS35 DIN rail
③ End cover	D-WS16-SD-01P-11-00A(H)	End cover is used for WS16-SD&WS16-SD-PE
④ Adjacent jumper	WFA16-01P-11-00A(H)	02P bridge, use for WS16 series
⑤ End cover	D-WS16-01P-11-00A(H)	End cover is used for WS16&WS16-PE
⑥ Alternate jumper	WFB16-01P-11-00A(H)	02P bridge, use for WS16 series
⑦ End cover	D-WS16-TW-01P-11-00A(H)	End cover is used for WS16-TW&WS16-TW-PE
⑧ Marker	ZT12-10P-19-00A(H)	Marker is used for the top of Ws16 series
⑨ DIN rail	NS35/7.5-0150-00A(H)	NS35 DIN rail

Circuit diagram



Spring-cage connection technology

Feed-through, multi-conductor and ground terminal blocks



WS16



WS16-PE

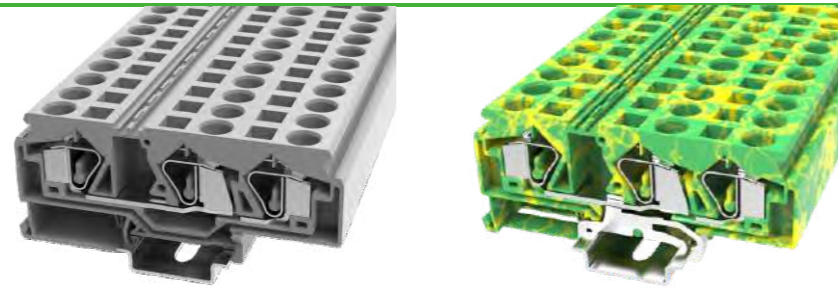
UL CE ENE RoHS REACH

CE ENE RoHS REACH

Order NO.	11030000081				11030000085			
Width/Length/Height(NS35/7.5&NS35/15) mm	12/94.5/45(52.5)				12/94.5/45(52.5)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059	
Rated voltage V	800		600		/		/	
Rated current A	76		66		/		/	
Rated cross section mm <sup>2</sup> /AWG	0.2-16		24-6		0.2-16		24-6	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor mm <sup>2</sup>	0.2-16	0.2-16	0.2-16	0.2-10	0.2-16	0.2-16	0.2-16	0.2-10
2 flexible conductors with a TWIN ferrule mm <sup>2</sup>	-	-	-	0.5-6	-	-	-	0.5-6
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures °C ( °F )	-40(-40)~105(221)				-40(-40)~105(221)			
Stripping length mm	18				18			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Yellow green mixed color			
<b>Accessories</b>								
Ferrule	/				/			
Slotted screwdriver size (Blade thickness x Width) mm	0.8x5.5				0.8x5.5			
Adjacent jumper	WFA16				/			
Alternate jumper	WFB16				/			
Staggered jumper	/				/			
End cover	D-WS16				D-WS16			
Partition plate	/				/			
Top marker	ZT12				ZT12			
Side marker	/				/			
Warning cover	EEA16				EEA16			
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	E-PC 1100A / E-WS N				E-WS / E-PC / E-MK / E-WS N			

### Spring-cage connection technology

Feed-through, multi-conductor and ground terminal blocks



WS16-TW

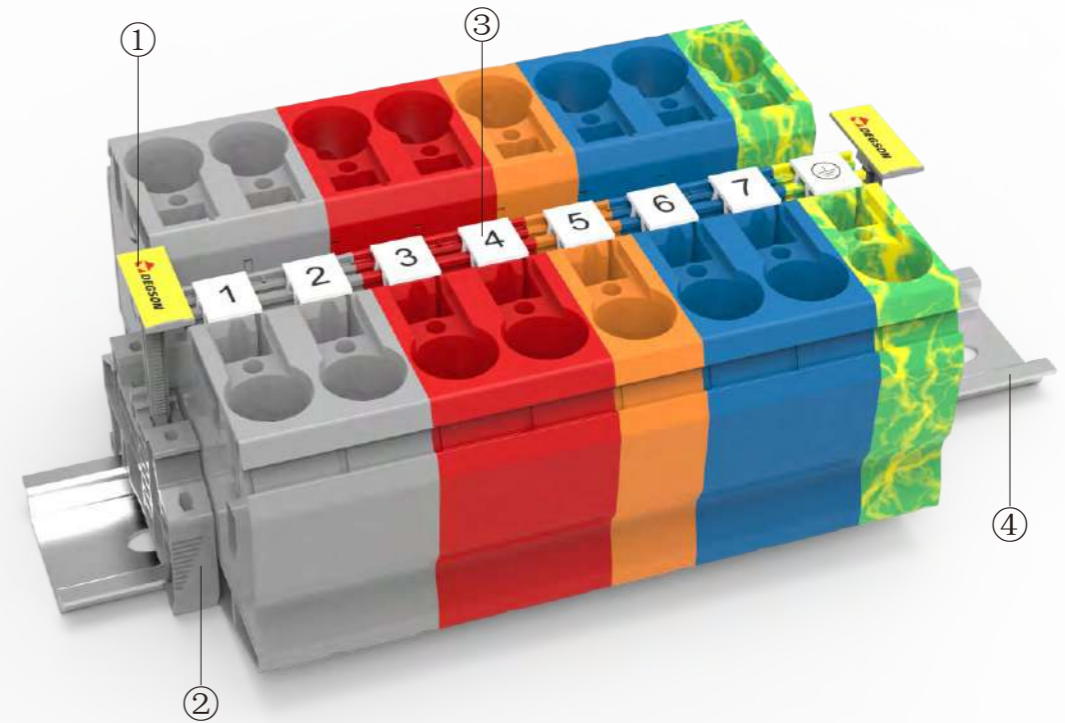
CE ENEC RoHS REACH



WS16-TW-PE

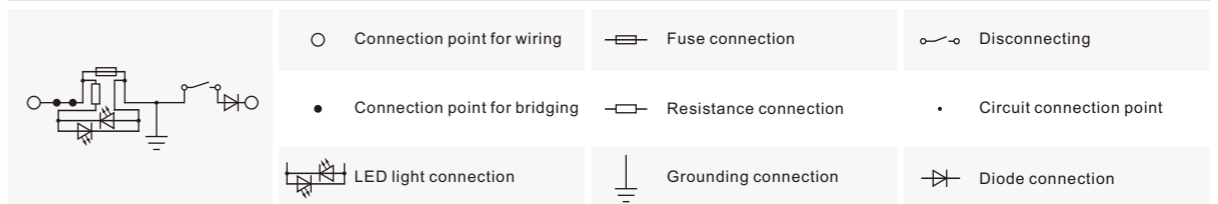
CE ENEC RoHS REACH

Order NO.	11030000089				11030000091				
Width/Length/Height(NS35/7.5&NS35/15)	mm 12/104.5/45(52.5)				mm 12/104.5/45(52.5)				
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059		
Rated voltage	V	800	600	/	/	/	/	/	
Rated current	A	76	66	/	/	/	/	/	
Rated cross section	mm <sup>2</sup> /AWG	0.2-16	24-6	0.2-16	24-6	0.2-16	24-6	24-6	
<b>Connection capacity</b>		Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup>	0.2-16	0.2-16	0.2-16	0.2-10	0.2-16	0.2-16	0.2-16	0.2-10
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup>	—	—	—	0.5-6	—	—	—	0.5-6
<b>General Information</b>									
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0				
Operation temperatures	°C ( °F )	-40(-40)~105(221)			-40(-40)~105(221)				
Stripping length	mm	16-17			16-17				
Color		Grey, Red, Blue (please contact sales for other color requirements)			Yellow green mixed color				
<b>Accessories</b>									
Ferrule		/			/				
Slotted screwdriver size (Blade thickness x Width)	mm	0.8x5.5			0.8x5.5				
Adjacent jumper		/			/				
Alternate jumper		/			/				
Staggered jumper		/			/				
End cover		D-WS16-TW			D-WS16-TW				
Partition plate		/			/				
Top marker		ZT12			ZT12				
Side marker		/			/				
Warning cover		EEA16			EEA16				
Terminal strip marker support		DLM2 / KLM3-20x8 / KLM3-44x8			DLM2 / KLM3-20x8 / KLM3-44x8				
End clamp		E-PC 1100A / E-WS N			E-PC 1100A / E-WS N				



Description	Part No.	Remark
① Marker carrier	KLM3-20x8-11-00A(H)	Suitable for E-PC-1100A(H) & E-WS N
② End clamp	E-WS N-01P-11-00A(H)	Fixing products on NS35 DIN rail
③ Marker	ZT12-10P-19-00A(H)	Marker is used for the top of WS35 series
④ DIN rail	NS35/7.5-0150-00A(H)	NS35 DIN rail

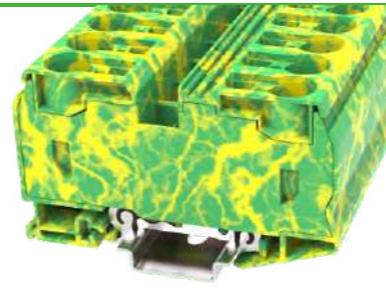
#### Circuit diagram





## Spring-cage connection technology

Feed-through and ground terminal blocks


**WS35**

CE ENEC RoHS REACH

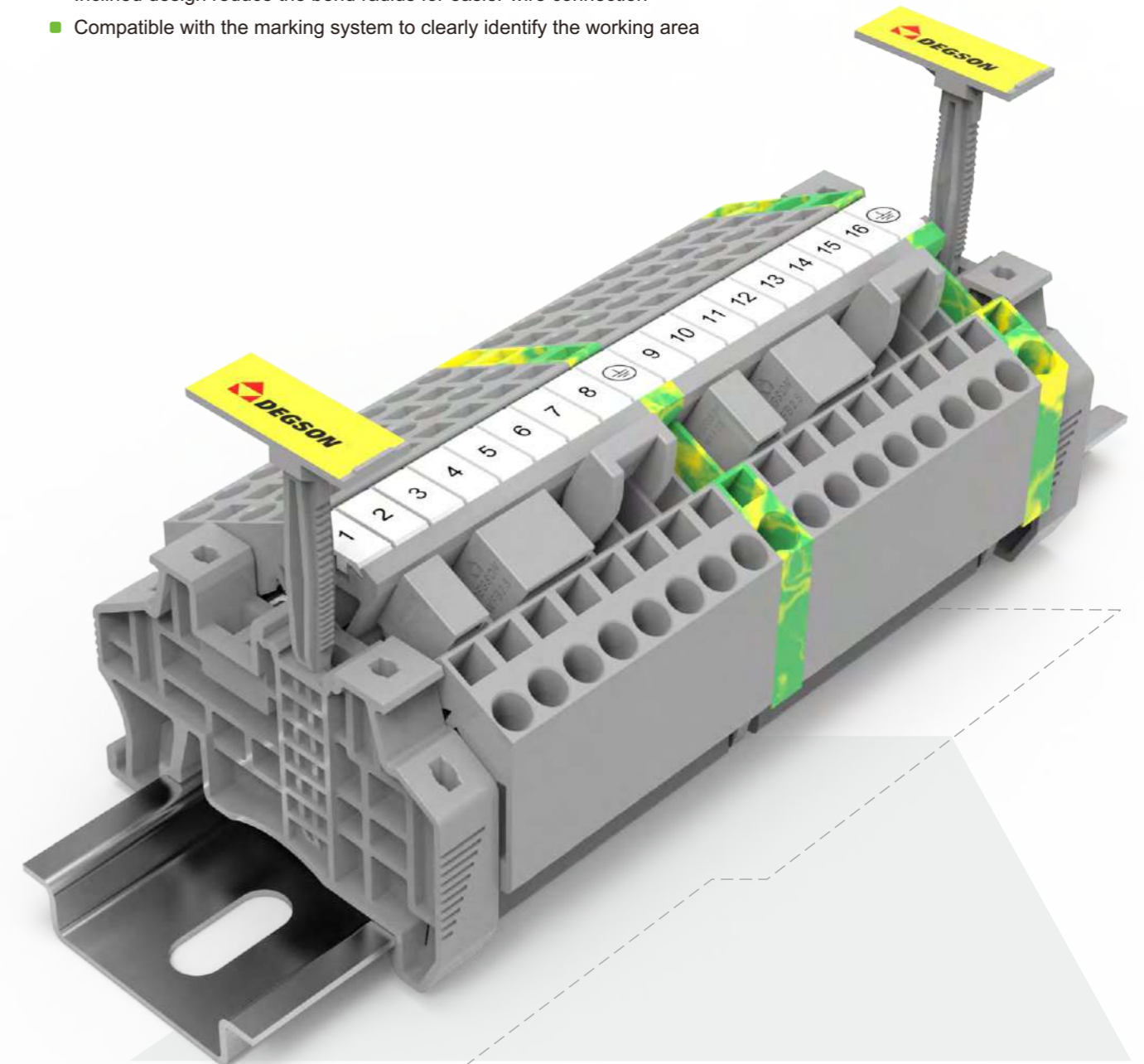

**WS35-PE**

CE ENEC RoHS REACH

Order NO.	11030000266				11030000269				
Width/Length/Height(NS35/7.5&NS35/15)	mm	16/99.9/59.2(66.7)				16/99.9/59.2(66.7)			
<b>Electrical Data</b>		IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059	
Rated voltage	V	1000		600		/		/	
Rated current	A	125		115		/		/	
Rated cross section	mm <sup>2</sup> /AWG	0.5-35		14-2		0.5-35		14-2	
<b>Connection capacity</b>		Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup>	2.5-35	2.5-35	2.5-35	2.5-35	2.5-35	2.5-35	2.5-35	2.5-35
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup>	—	—	—	0.5-6	—	—	—	0.5-6
<b>General Information</b>									
Insulation material/Flammability rating (according to UL 94)		PA/V0				PA/V0			
Operation temperatures	°C ( °F )	-40(-40)~105(221)				-40(-40)~105(221)			
Stripping length	mm	25				25			
Color		Grey, Red, Blue (please contact sales for other color requirements)				Yellow green mixed color			
<b>Accessories</b>									
Ferrule		/				/			
Slotted screwdriver size (Blade thickness x Width)	mm	1x5.5				1x5.5			
Adjacent jumper		/				/			
Alternate jumper		/				/			
Staggered jumper		/				/			
End cover		/				/			
Partition plate		/				/			
Top marker		ZT12				ZT12			
Side marker		/				/			
Warning cover		/				/			
Terminal strip marker support		DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp		E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			

## WS Inclined Feed-through Terminal Blocks

- WS Inclined feed-through terminal blocks, with spring-cage connection technology ensure the good performance on anti-vibration
- Inclined design reduce the bend radius for easier wire connection
- Compatible with the marking system to clearly identify the working area


**WS Series**



## Spring-cage connection technology

Inclined Feed-through Terminal Blocks


**WS2.5-TW-TA**

**WS2.5-TW-TA-PE**

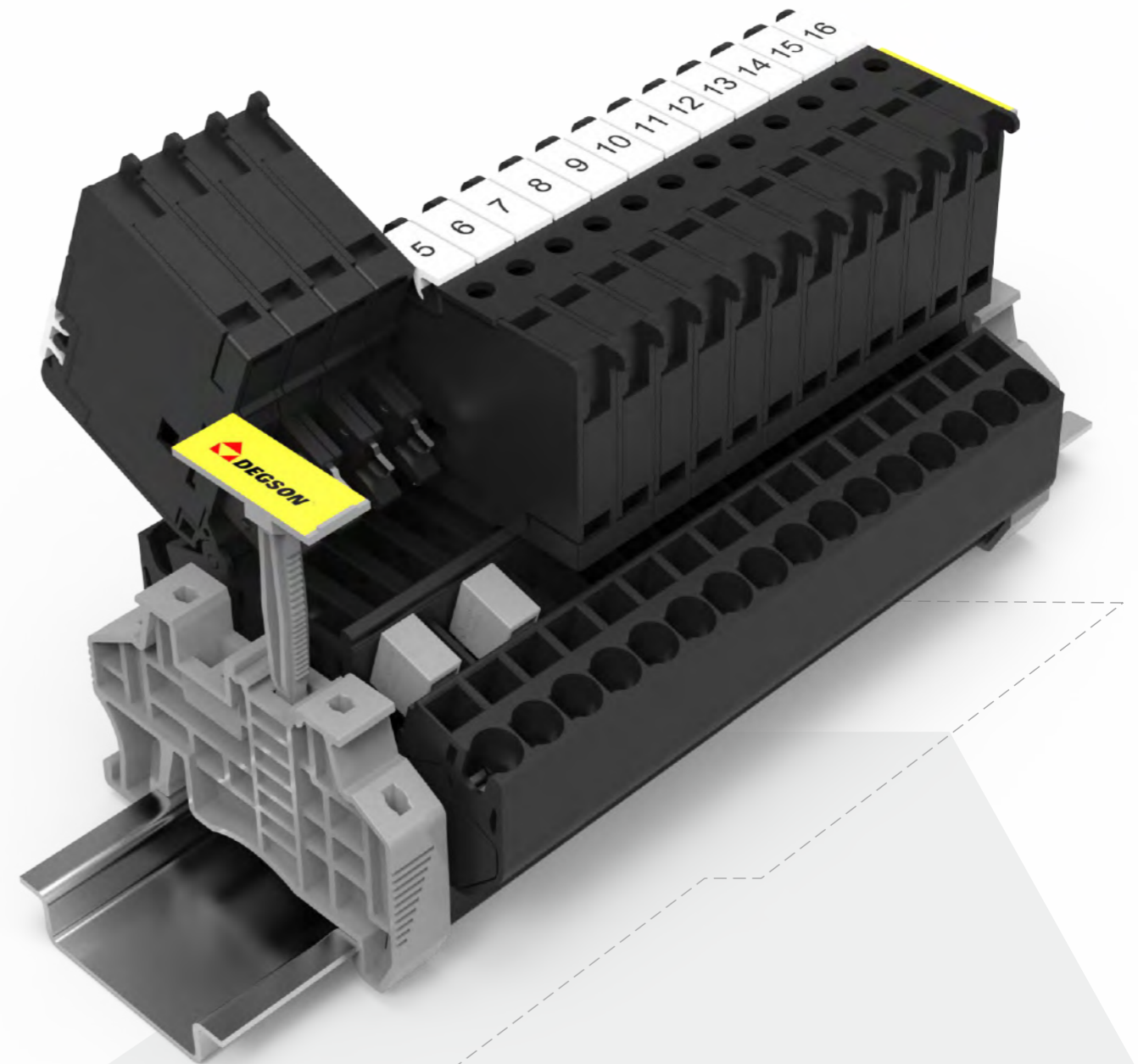
CE ENEC RoHS REACH

CE ENEC RoHS REACH

Order NO.	11030000261				11030000265				
Width/Length/Height(NS35/7.5&NS35/15)	mm	5/50.5/43.65(51.15)				5/50.5/43.65(51.15)			
<b>Electrical Data</b>		IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059	
Rated voltage	V	800		600		/		/	
Rated current	A	24		15		/		/	
Rated cross section	mm <sup>2</sup> /AWG	0.2-2.5		28-14		0.2-2.5		28-14	
<b>Connection capacity</b>		Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup>	0.2-2.5	0.2-2.5	0.2-2.5	0.2-2.5	0.2-2.5	0.2-2.5	0.2-2.5	0.2-2.5
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup>	—	—	—	0.5	—	—	—	0.5
<b>General Information</b>									
Insulation material/Flammability rating (according to UL 94)		PA/V0				PA/V0			
Operation temperatures	°C ( °F )	-40(-40)~105(221)				-40(-40)~105(221)			
Stripping length	mm	9				9			
Color		Grey, Red, Blue (please contact sales for other color requirements)				Yellow green mixed color			
<b>Accessories</b>									
Ferrule		/				/			
Slotted screwdriver size (Blade thickness x Width)	mm	0.5x3.5				0.5x3.5			
Adjacent jumper		WFA2.5				/			
Alternate jumper		WFB2.5				/			
Staggered jumper		WFC2.5-2 WFC2.5-6	WFC2.5-3 WFC2.5-7	WFC2.5-4 WFC2.5-8	WFC2.5-5 WFC2.5-8	/			
End cover		D-WS2.5-TW-TA				D-WS2.5-TW-TA			
Partition plate		/				/			
Top marker		ZB5 / WB5				ZB5 / WB5			
Side marker		/				/			
Warning cover		EEA2.5				EEA2.5			
Terminal strip marker support		DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp		E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			

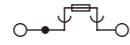
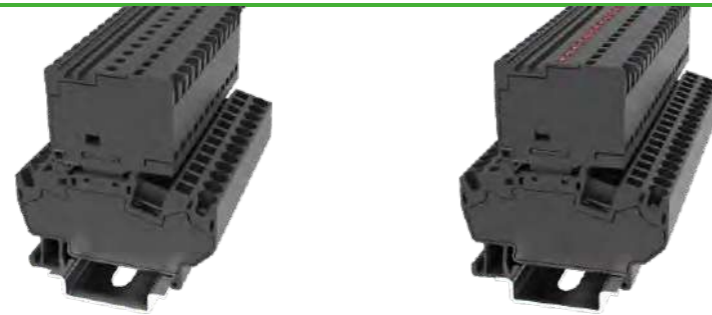
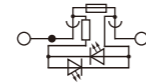
## WS Fuse Terminal Blocks

- WS Fuse type terminal blocks, with spring-cage connection technology ensure the good performance on anti-vibration
- Snap-on fuse box for easy fuse replacement
- Equipped with LED indicator for quick identification of fusing status
- Compatible with the marking system to clearly identify the working area


**WS Series**

## Spring-cage connection technology

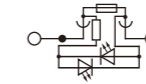
Fuse terminal blocks(5X20)


**WSF4-TA**

**WSF4-TA-08A(H)**

Order NO.	11030000324				11030000386				
Width/Length/Height(NS35/7.5&NS35/15)	mm	6/60/68(75.5)				6/60/68(75.5)			
<b>Electrical Data</b>		IEC IEC60947-7-3		UL UL1059		IEC IEC60947-7-3			
Rated voltage	V	400		300		24 (Led voltage range 12-30V)			
Rated current	A	6.3		6.3		6.3			
Rated cross section	mm <sup>2</sup> /AWG	0.2-4		28-10		0.2-4		28-10	
<b>Connection capacity</b>		Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup>	0.2-4	0.2-4	0.2-4	0.2-4	0.2-4	0.2-4	0.2-4	0.2-4
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup>	—	—	—	0.5-1	—	—	—	0.5-1
<b>General Information</b>									
Insulation material/Flammability rating (according to UL 94)		PA/V0				PA/V0			
Operation temperatures	°C ( °F )	-40(-40)~105(221)				-40(-40)~105(221)			
Stripping length	mm	10-12				10-12			
Color		Black (please contact sales for other color requirements)				Black (please contact sales for other color requirements)			
<b>Accessories</b>									
Ferrule		/				/			
Slotted screwdriver size (Blade thickness x Width)	mm	0.5x3.5				0.5x3.5			
Adjacent jumper		WFA4				WFA4			
Alternate jumper		WFB4				WFB4			
Staggered jumper		/				/			
End cover		/				/			
Partition plate		/				/			
Top marker		ZB6				ZB6			
Side marker		/				/			
Warning cover		EEA4				EEA4			
Terminal strip marker support		DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp		E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			

## Spring-cage connection technology

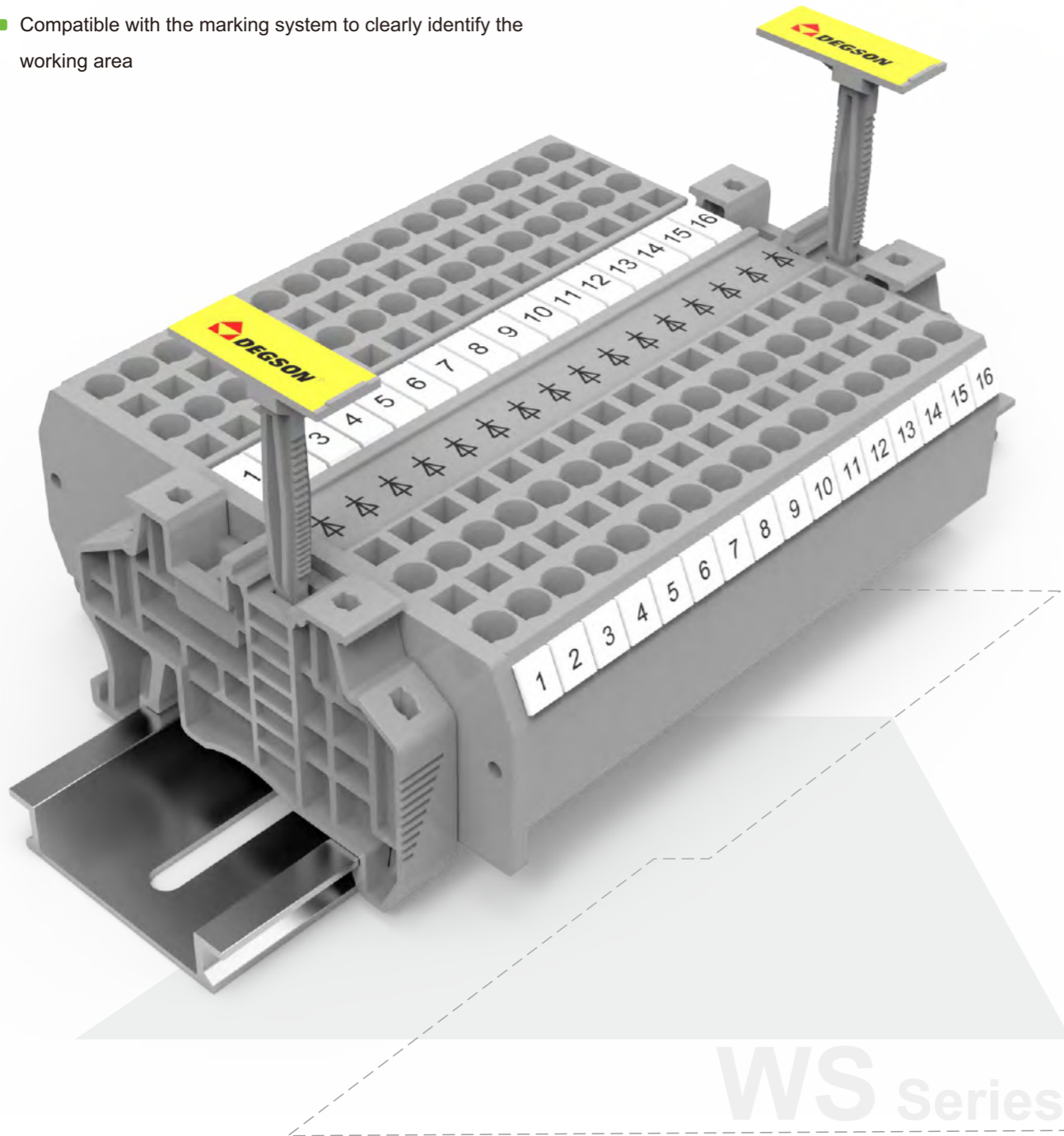
Fuse terminal blocks(5X20)


**WSF4-TA-10A(H)**

Order NO.	11030000691				
Width/Length/Height(NS35/7.5&NS35/15)	mm	6/60/68(75.5)			
<b>Electrical Data</b>		IEC IEC60947-7-3			
Rated voltage	V	250			
Rated current	A	10			
Rated cross section	mm <sup>2</sup> /AWG	0.2-4		28-10	
<b>Connection capacity</b>		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup>	0.2-4	0.2-4	0.2-4	0.2-4
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup>	—	—	—	0.5-1
<b>General Information</b>					
Insulation material/Flammability rating (according to UL 94)		PA/V0			
Operation temperatures	°C ( °F )	-40(-40)~105(221)			
Stripping length	mm	10-12			
Color		Black (please contact sales for other color requirements)			
<b>Accessories</b>					
Ferrule		/			
Slotted screwdriver size (Blade thickness x Width)	mm	0.5x3.5			
Adjacent jumper		WFA4			
Alternate jumper		WFB4			
Staggered jumper		/			
End cover		/			
Partition plate		/			
Top marker		ZB6			
Side marker		/			
Warning cover		EEA4			
Terminal strip marker support		DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp		E-PC 1100A / E-WS N			

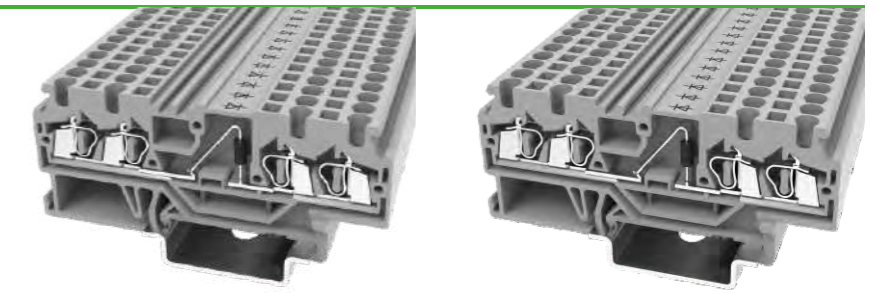
## WS Component Terminal Blocks

- WS diode terminal blocks, with spring-cage connection technology ensure the good performance on anti-vibration
- With diode element, can realize unidirectional conduction of the circuit
- Compatible with the marking system to clearly identify the working area

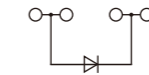


WS Series

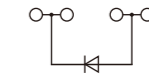
## Spring-cage connection technology



Component terminal blocks



**WS2.5-QU-LD-L-R**



**WS2.5-QU-LD-R-L**

CE ENEC RoHS REACH

CE ENEC RoHS REACH

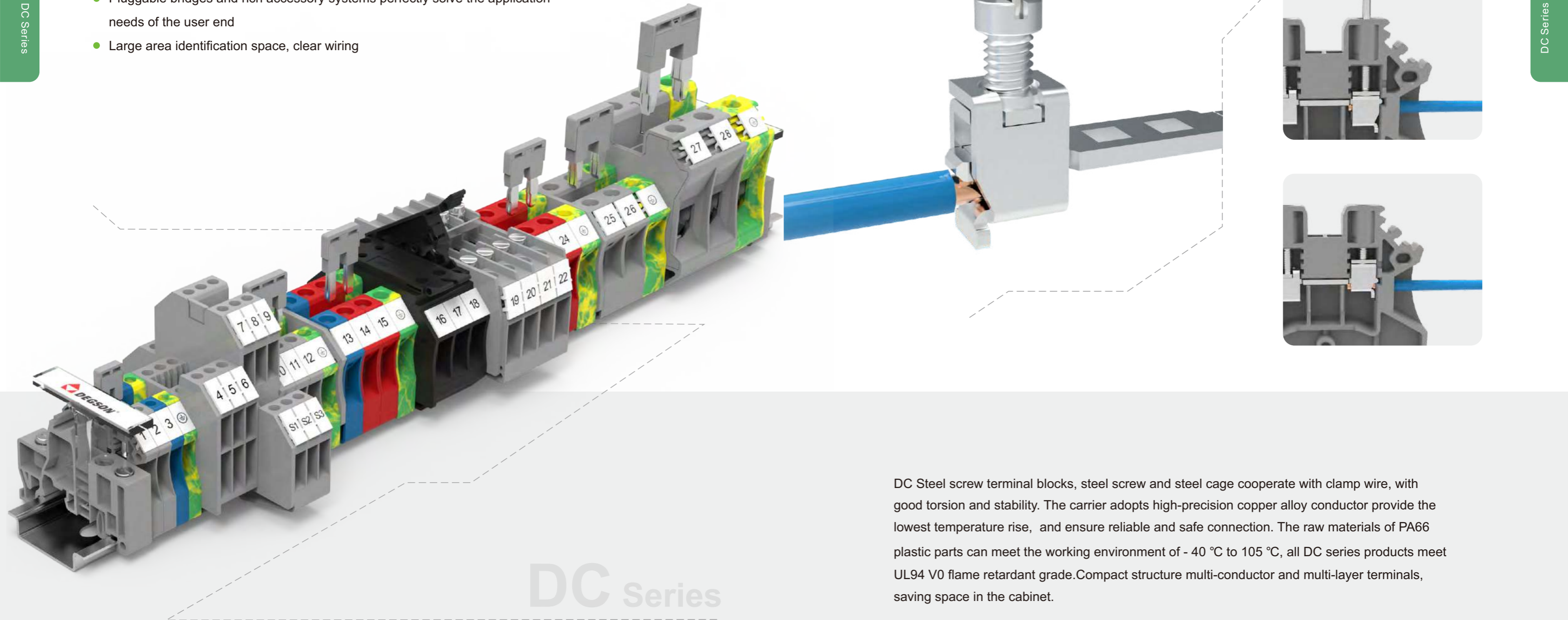
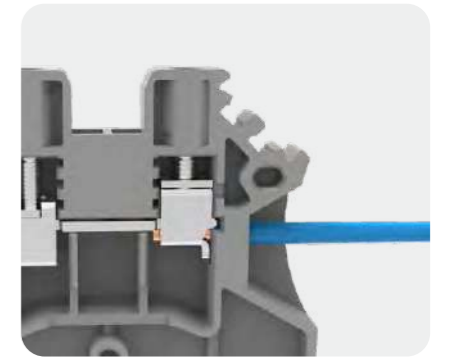
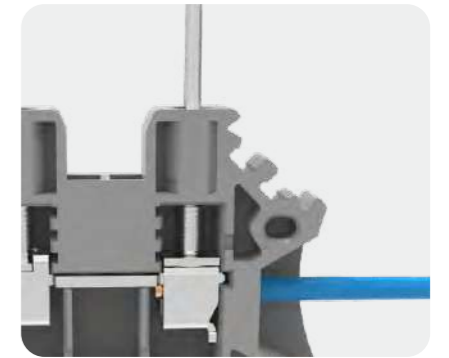
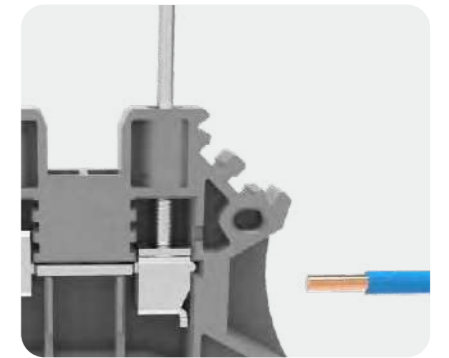
Order NO.	11030000567				11030000492			
Width/Length/Height(NS35/7.5&NS35/15)	mm				5/75.5/35.45(42.95)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-1		UL UL1059	
Rated voltage & Reverse voltage	V		250 (Reverse breakdown voltage 1KV)		250 (Reverse breakdown voltage 1KV)			
Rated current	A		0.5 (The brand of diode is IN4007, with current of 0.5A)		0.5 (The brand of diode is IN4007, with current of 0.5A)			
Rated cross section	mm <sup>2</sup> /AWG		0.2-2.5		28-14		0.2-2.5	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup>	2.5-2.5	2.5-2.5	2.5-2.5	2.5-2.5	2.5-2.5	2.5-2.5	2.5-2.5
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup>	—	—	0.5	—	—	—	0.5
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F )				-40(-40)~105(221)			
Stripping length	mm				9			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Grey, Red, Blue (please contact sales for other color requirements)			
<b>Accessories</b>								
Ferrule	/				/			
Slotted screwdriver size (Blade thickness x Width)	mm				0.5x3.5			
Adjacent jumper	/				/			
Alternate jumper	/				/			
Staggered jumper	/				/			
End cover					D-WS2.5-QU			
Partition plate	/				/			
Top marker					ZB5 / WB5			
Side marker					DEK5			
Warning cover					EEA2.5			
Terminal strip marker support					DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp					E-PC 1100A / E-WS N			



## DC-Steel Screw Terminal Blocks

### Feature

- The steel cage is used to clamp the wire, and the connection is stable and reliable
- Double channel bridge position, easy to realize potential distribution
- Pluggable bridges and rich accessory systems perfectly solve the application needs of the user end
- Large area identification space, clear wiring

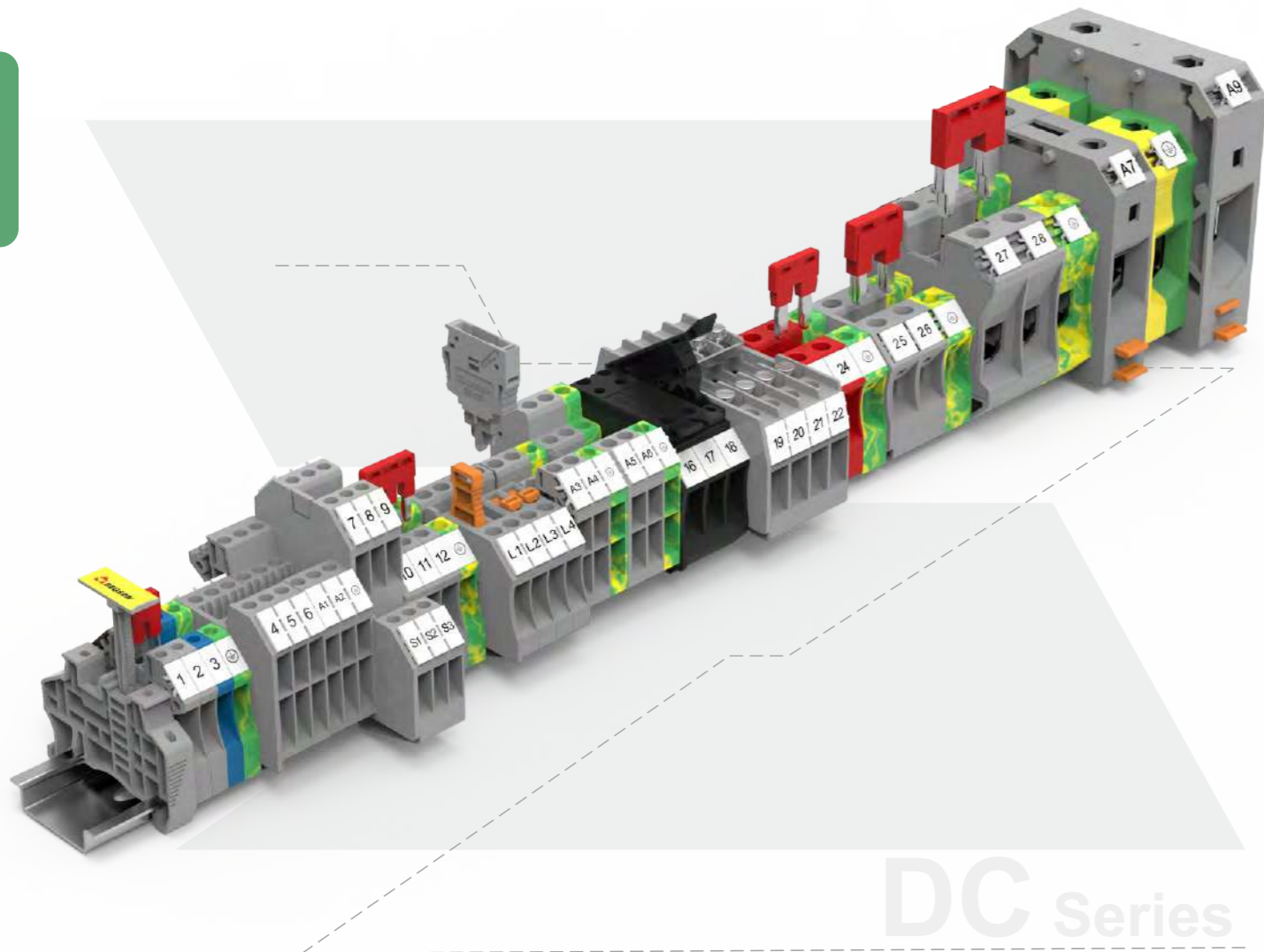


DC Series

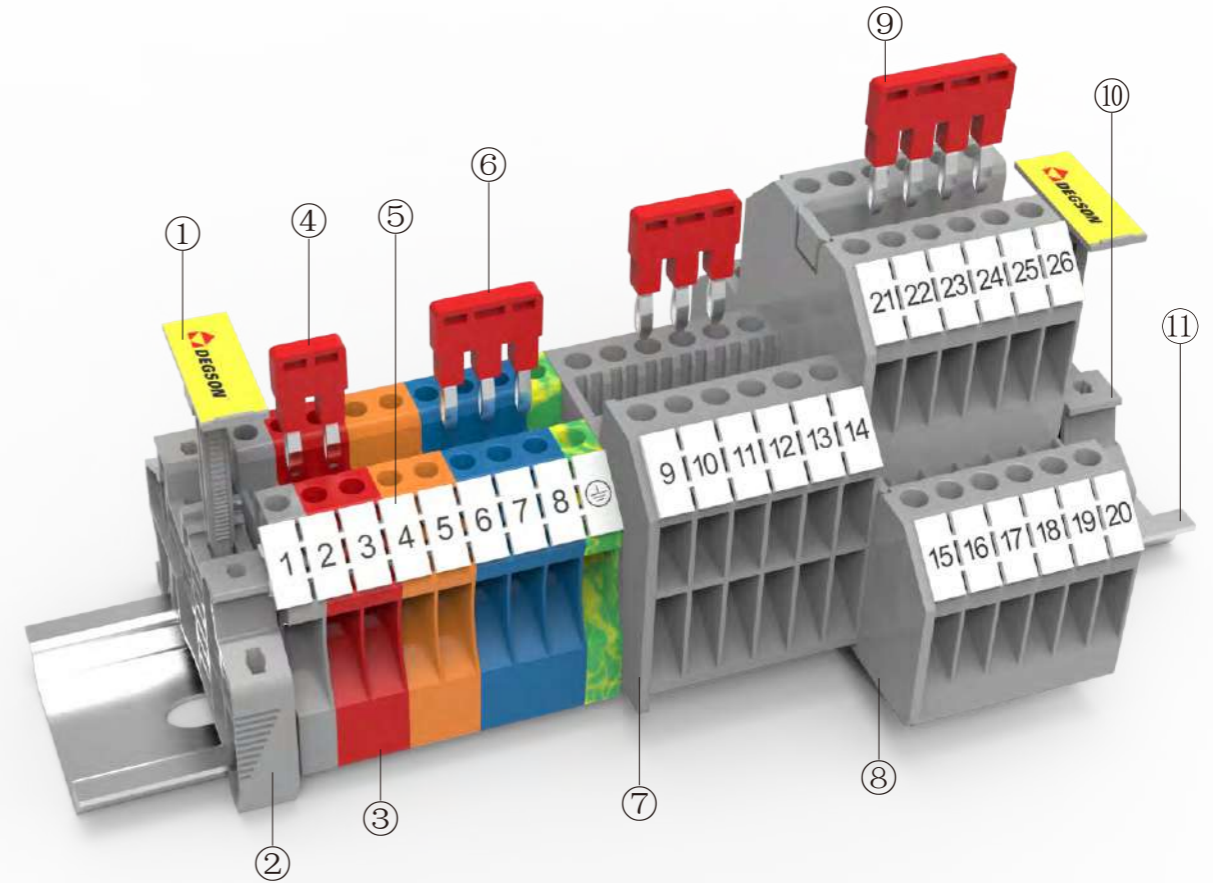
DC Steel screw terminal blocks, steel screw and steel cage cooperate with clamp wire, with good torsion and stability. The carrier adopts high-precision copper alloy conductor provide the lowest temperature rise, and ensure reliable and safe connection. The raw materials of PA66 plastic parts can meet the working environment of - 40 °C to 105 °C, all DC series products meet UL94 V0 flame retardant grade. Compact structure multi-conductor and multi-layer terminals, saving space in the cabinet.

### DC Feed-through Terminal Blocks

- DC Feed-through terminal blocks, with screw connection technology, high-quality steel screw and cage ensure the stable & reliable connection
- Multi-deck type, space saving
- Double-channel bridging design and 2-10 poles bridges reach the flexible distribution of potentials
- Compatible with the marking system to clearly identify the working area

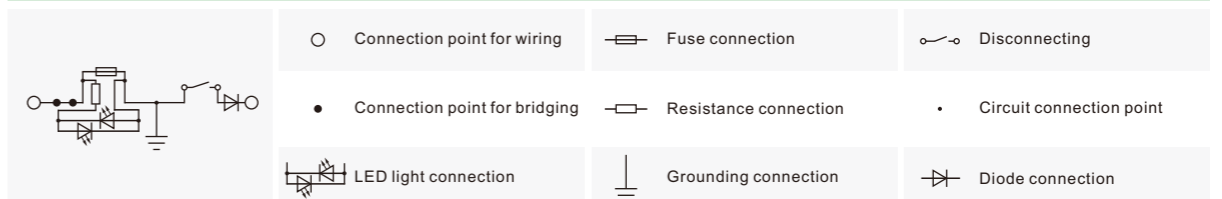


DC Series



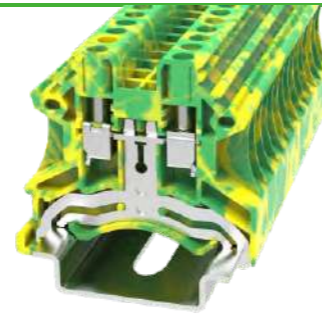
Description	Part No.	Remark
① Marker carrier	KLM3-20x8-11-00A(H)	Suitable for E-PC-1100A(H) & E-WS N
② End clamp	E-WS N-01P-11-00A(H)	Fixing products on NS35 DIN rail
③ Terminal blocks	DC2.5-01P-11-00A(H)	Steel cage locking type 2.5mm <sup>2</sup> DIN Rail terminal blocks
④ Plug-in bridge	DFA2.5-02P-11-00A(H)	02P bridge, use for DC2.5 series
⑤ Marker	ZB5-10P-19-00A(H)	Marker is used for the side of DC2.5 series
⑥ Plug-in bridge	DFA2.5-03P-11-00A(H)	03P bridge, use for DC2.5 series
⑦ End cover	D-DC2.5-TW-01P-11-00A(H)	End cover is used for DC2.5-TW
⑧ End cover	D-DCKKB2.5-01P-11-00A(H)	End cover is used for DCKKB2.5
⑨ Plug-in bridge	DFA2.5-04P-11-00A(H)	04P bridge, use for DC2.5 series
⑩ End clamp	E-WS N-01P-11-00A(H)	Fixing products on NS35 DIN rail
⑪ DIN rail	NS35/7.5-0150-00A(H)	NS35 DIN rail

#### Circuit diagram



## Screw connection technology 1






Feed-through, multi-conductor, multi-level, and ground terminal blocks


**DC2.5**

UL US CE ENEC RoHS REACH

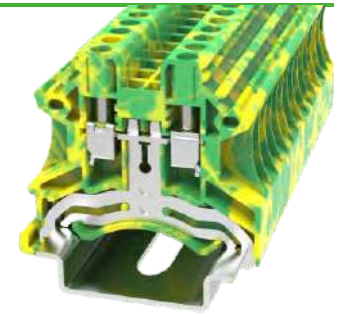

**DC2.5-PE**

UL US CE ENEC RoHS REACH

Order NO.	11020000018				11020000028			
Width/Length/Height(NS35/7.5&NS35/15) mm	5.1/42.3/41.5(49)				5.1/42.3/41.5(49)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059	
Rated voltage V	800		600		/		/	
Rated current A	24		25		/		/	
Rated cross section mm <sup>2</sup> /AWG	0.2-4		26-12		0.2-4		26-12	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor mm <sup>2</sup>	0.2-4	0.2-2.5	0.2-2.5	0.5-1.5	0.2-4	0.2-2.5	0.2-2.5	0.5-1.5
2 flexible conductors with a TWIN ferrule mm <sup>2</sup>	—	—	—	0.5-1	—	—	—	0.5-1
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures °C ( °F )	-40(-40)~105(221)				-40(-40)~105(221)			
Stripping length mm	8-9				8-9			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Yellow green mixed color			
Screw/Rated torque -/N.m(lb.in)(kgf.cm)	M2.5/0.4 (3.6) (4.08)				M2.5/0.4 (3.6) (4.08)			
<b>Accessories</b>								
Ferrule	/				/			
Slotted screwdriver size (Blade thickness x Width) mm	0.6x3.5				0.6x3.5			
Screw	Slotted screw				Slotted screw			
Bridge (2-10P) 	DFA2.5				/			
End cover 	D-DC2.5				D-DC2.5			
Partition plate	/				/			
Marker 	ZB5 / WB5				ZB5 / WB5			
Marker support	/				/			
Terminal strip marker support 	DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp 	E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			

## Screw connection technology 1






Feed-through, multi-conductor, multi-level, and ground terminal blocks


**DC2.5-12A(H)**  
(Cross & Slotted screw)

CE ENEC RoHS REACH


**DC2.5-PE-02A(H)**  
(Cross & Slotted screw)

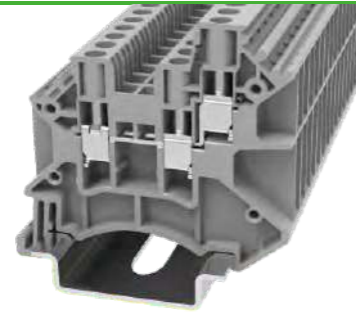
CE ENEC RoHS REACH

Order NO.	11020000058				11020000221			
Width/Length/Height(NS35/7.5&NS35/15) mm	5.1/42.3/41.5(49)				5.1/42.3/41.5(49)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059	
Rated voltage V	800		600		/		/	
Rated current A	24		25		/		/	
Rated cross section mm <sup>2</sup> /AWG	0.2-4		26-12		0.2-4		26-12	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor mm <sup>2</sup>	0.2-4	0.2-2.5	0.2-2.5	0.2-2.5	0.2-4	0.2-2.5	0.2-2.5	0.2-2.5
2 flexible conductors with a TWIN ferrule mm <sup>2</sup>	—	—	—	0.5-1.5	—	—	—	0.5-1.5
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures °C ( °F )	-40(-40)~105(221)				-40(-40)~105(221)			
Stripping length mm	8-9				8-9			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Yellow green mixed color			
Screw/Rated torque -/N.m(lb.in)(kgf.cm)	M2.5/0.4 (3.6) (4.08)				M2.5/0.4 (3.6) (4.08)			
<b>Accessories</b>								
Ferrule	/				/			
Cross & Slotted Screwdriver specification (Thickness x Width) mm	0.6x3.5				0.6x3.5			
Screw	Cross & Slotted screw				Cross & Slotted screw			
Bridge (2-10P) 	DFA2.5				/			
End cover 	D-DC2.5				D-DC2.5			
Partition plate	/				/			
Marker 	ZB5 / WB5				ZB5 / WB5			
Marker support	/				/			
Terminal strip marker support 	DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp 	E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			

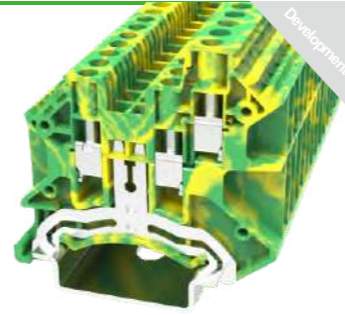


## Screw connection technology 1

Feed-through, multi-conductor, multi-level, and ground terminal blocks


**DC2.5-TW**

CE ENEC RoHS REACH

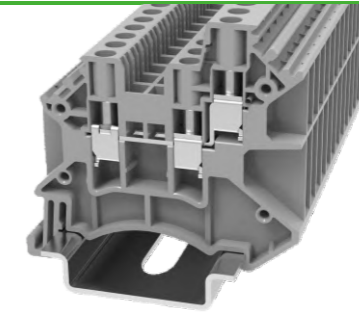

**DC2.5-TW-PE**

CE ENEC RoHS REACH

Order NO.	11020000067				/				
Width/Length/Height(NS35/7.5&NS35/15)	mm	5.1/48.7/49.2(56.7)				5.1/76/63(70.5)			
<b>Electrical Data</b>		IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059	
Rated voltage	V	1000		600		/		/	
Rated current	A	24		20		/		/	
Rated cross section	mm <sup>2</sup> /AWG	0.2-4		26-12		0.2-4		26-12	
<b>Connection capacity</b>		Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup>	0.2-4	0.2-2.5	0.2-2.5	0.5-2.5	0.2-4	0.2-2.5	0.2-2.5	0.2-2.5
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup>	—	—	—	0.5-1	—	—	—	0.5-1
<b>General Information</b>									
Insulation material/Flammability rating (according to UL 94)		PA/V0				PA/V0			
Operation temperatures	°C ( °F )	-40(-40)~105(221)				-40(-40)~105(221)			
Stripping length	mm	10-11				10-11			
Color		Grey, Red, Blue (please contact sales for other color requirements)				Yellow green mixed color			
Screw/Rated torque	-/N.m(lb.in)(kgf.cm)	M2.5/0.4 (3.6)(4.08)				M2.5/0.4 (3.6)(4.08)			
<b>Accessories</b>									
Ferrule		/				/			
Slotted screwdriver size (Blade thickness x Width)	mm	0.6x3.5				0.6x3.5			
Screw		Slotted screw				Slotted screw			
Bridge (2-10P)		DFA2.5				/			
End cover		D-DC2.5-TW				D-DC2.5-TW			
Partition plate		/				/			
Marker		ZB5 / WB5				ZB5 / WB5			
Marker support		/				/			
Terminal strip marker support		DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp		E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			

## Screw connection technology 1

Feed-through, multi-conductor, multi-level, and ground terminal blocks

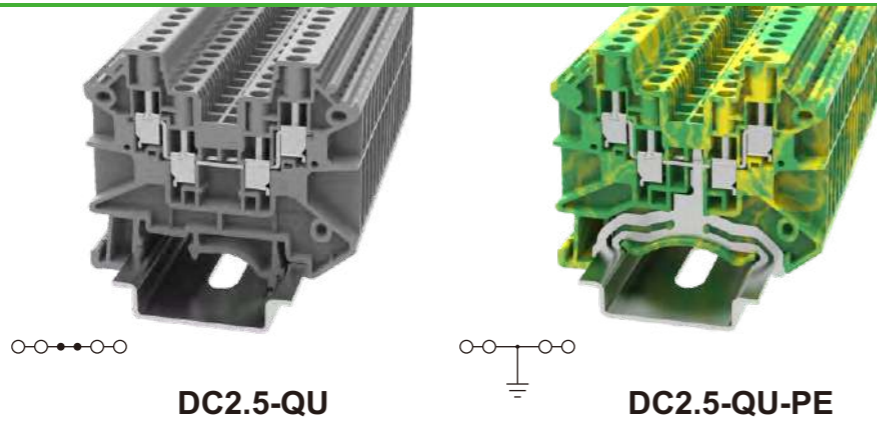

**DC2.5-TW-02A(H)  
(Cross & Slotted screw)**

CE ENEC RoHS REACH

Order NO.	11020000222				
Width/Length/Height(NS35/7.5&NS35/15)	mm	5.1/48.7/49.2(56.7)			
<b>Electrical Data</b>		IEC IEC60947-7-1		UL UL1059	
Rated voltage	V	1000		600	
Rated current	A	24		20	
Rated cross section	mm <sup>2</sup> /AWG	0.2-4		26-12	
<b>Connection capacity</b>		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup>	0.2-4	0.2-2.5	0.2-2.5	0.2-2.5
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup>	—	—	—	0.5-1
<b>General Information</b>					
Insulation material/Flammability rating (according to UL 94)		PA/V0			
Operation temperatures	°C ( °F )	-40(-40)~105(221)			
Stripping length	mm	10-11			
Color		Grey, Red, Blue (please contact sales for other color requirements)			
Screw/Rated torque	-/N.m(lb.in)(kgf.cm)	M2.5/0.4 (3.6)(4.08)			
<b>Accessories</b>					
Ferrule		/			
Cross & Slotted Screwdriver specification (Thickness x Width)	mm	0.6x3.5			
Screw		Cross & Slotted screw			
Bridge (2-10P)		DFA2.5			
End cover		D-DC2.5-TW			
Partition plate		/			
Marker		ZB5 / WB5			
Marker support		/			
Terminal strip marker support		DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp		E-PC 1100A / E-WS N			






## Screw connection technology 1

Feed-through, multi-conductor, multi-level, and ground terminal blocks



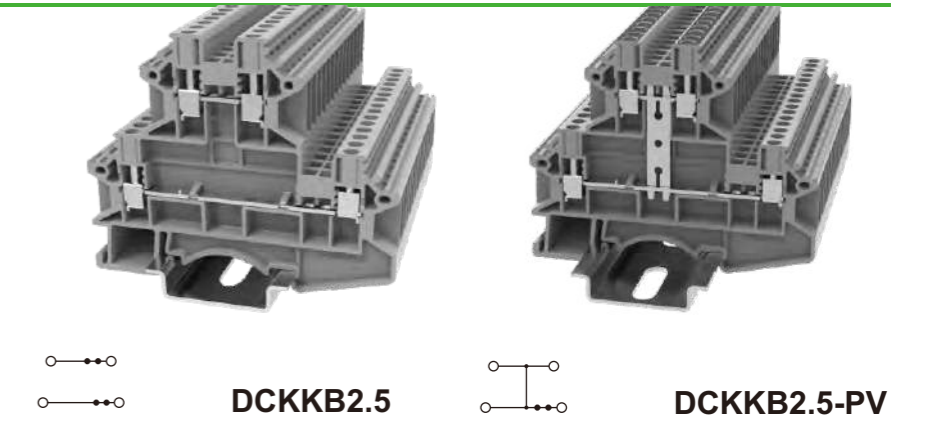
CE ENEC RoHS REACH

CE ENEC RoHS REACH

Order NO.	11020000214				11020000215			
Width/Length/Height(NS35/7.5&NS35/15) mm	5.1/54.4/49.2 ( 56.7 )				5.1/54.4/49.2 ( 56.7 )			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059	
Rated voltage V	500		300		/		/	
Rated current A	24		20		/		/	
Rated cross section mm <sup>2</sup> /AWG	0.2-4		24-12		0.2-4		24-12	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor mm <sup>2</sup>	0.2-4	0.2-2.5	0.2-2.5	0.2-2.5	0.2-4	0.2-2.5	0.2-2.5	0.2-2.5
2 flexible conductors with a TWIN ferrule mm <sup>2</sup>	—	—	—	0.5-1	—	—	—	0.5-1
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures °C ( °F )	-40(-40)~105(221)				-40(-40)~105(221)			
Stripping length mm	8-10				8-10			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Yellow green mixed color			
Screw/Rated torque -/N.m(lb.in)(kgf.cm)	M2.5/0.4(3.54)(4.08)				M2.5/0.4(3.54)(4.08)			
<b>Accessories</b>								
Ferrule	/				/			
Cross & Slotted Screwdriver specification (Thickness x Width) mm	0.6x3.5				0.6x3.5			
Screw	Cross & Slotted screw				Cross & Slotted screw			
Bridge (2-10P) 	DFA2.5				DFA2.5			
End cover 	D-DC4-QU				D-DC4-QU			
Partition plate	/				/			
Marker 	ZB5				ZB5			
Marker support	/				/			
Terminal strip marker support 	DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp 	E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			






## Screw connection technology 1

Feed-through, multi-conductor, multi-level, and ground terminal blocks



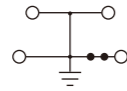
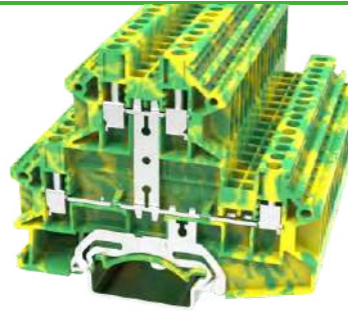
CE ENEC RoHS REACH

CE ENEC RoHS REACH

Order NO.	11020000073				11020000075			
Width/Length/Height(NS35/7.5&NS35/15) mm	5.1/76/63(70.5)				5.1/76/63(70.5)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-1		UL UL1059	
Rated voltage V	500		300		500		300	
Rated current A	24		20		24		20	
Rated cross section mm <sup>2</sup> /AWG	0.5-4		26-12		0.5-4		26-12	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor mm <sup>2</sup>	0.5-4	0.5-2.5	0.5-2.5	0.5-2.5	0.5-4	0.5-2.5	0.5-2.5	0.5-2.5
2 flexible conductors with a TWIN ferrule mm <sup>2</sup>	—	—	—	0.5-1	—	—	—	0.5-1
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures °C ( °F )	-40(-40)~105(221)				-40(-40)~105(221)			
Stripping length mm	8-10				8-10			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Grey, Red, Blue (please contact sales for other color requirements)			
Screw/Rated torque -/N.m(lb.in)(kgf.cm)	M2.5/0.4 (3.6) (4.08)				M2.5/0.4 (3.6) (4.08)			
<b>Accessories</b>								
Ferrule	/				/			
Slotted screwdriver size (Blade thickness x Width) mm	0.6x3.5				0.6x3.5			
Screw	Slotted screw				Slotted screw			
Bridge (2-10P) 	DFA2.5				DFA2.5			
End cover 	D-DCKKB2.5				D-DCKKB2.5			
Partition plate	/				/			
Marker 	ZB5 / WB5				ZB5 / WB5			
Marker support	/				/			
Terminal strip marker support 	DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp 	E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			

## Screw connection technology 1

Feed-through, multi-conductor, multi-level, and ground terminal blocks

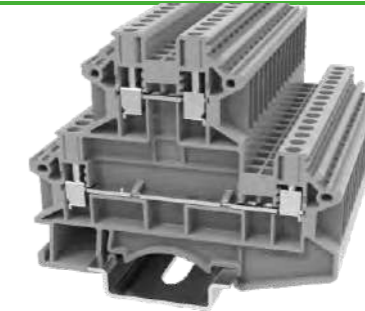

**DCKKB2.5-PE**

CE ENEC RoHS REACH

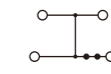
<b>Order NO.</b>	11020000069			
<b>Width/Length/Height(NS35/7.5&amp;NS35/15)</b>	mm	5.1/76/63(70.5)		
<b>Electrical Data</b>		IEC IEC60947-7-2	UL UL1059	
<b>Rated voltage</b>	V	/	/	
<b>Rated current</b>	A	/	/	
<b>Rated cross section</b>	mm <sup>2</sup> /AWG	0.5-4	26-12	
<b>Connection capacity</b>		Solid	Stranded	Ferrule (with and without plastic sleeve)
<b>1 conductor</b>	mm <sup>2</sup>	0.5-4	0.5-2.5	0.5-2.5 0.5-2.5
<b>2 flexible conductors with a TWIN ferrule</b>	mm <sup>2</sup>	—	—	— 0.5-1
<b>General Information</b>				
<b>Insulation material/Flammability rating (according to UL 94)</b>		PA/V0		
<b>Operation temperatures</b>	°C ( °F )	-40(-40)~105(221)		
<b>Stripping length</b>	mm	8-10		
<b>Color</b>		Yellow green mixed color		
<b>Screw/Rated torque</b>	-/N.m(lb.in)(kgf.cm)	M2.5/0.4 (3.6) (4.08)		
<b>Accessories</b>				
<b>Ferrule</b>		/		
<b>Slotted screwdriver size (Blade thickness x Width)</b>	mm	0.6x3.5		
<b>Screw</b>		Slotted screw		
<b>Bridge (2-10P)</b>		DFA2.5		
<b>End cover</b>		D-DCKKB2.5		
<b>Partition plate</b>		/		
<b>Marker</b>		ZB5 / WB5		
<b>Marker support</b>		/		
<b>Terminal strip marker support</b>		DLM2 / KLM3-20x8 / KLM3-44x8		
<b>End clamp</b>		E-PC 1100A / E-WS N		

## Screw connection technology 1

Feed-through, multi-conductor, multi-level, and ground terminal blocks


**DCKKB2.5-02A(H)**  
(Cross & Slotted screw)

CE ENEC RoHS REACH


**DCKKB2.5-PV-02A(H)**  
(Cross & Slotted screw)

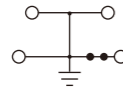
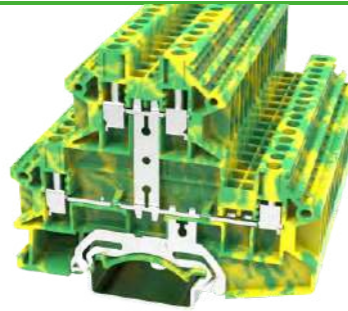
CE ENEC RoHS REACH

<b>Order NO.</b>	11020000074	/
<b>Width/Length/Height(NS35/7.5&amp;NS35/15)</b>	mm	5.1/76/63(70.5)
<b>Electrical Data</b>	IEC IEC60947-7-1	UL UL1059
<b>Rated voltage</b>	V	500 300
<b>Rated current</b>	A	24 20
<b>Rated cross section</b>	mm <sup>2</sup> /AWG	0.5-4 26-12
<b>Connection capacity</b>	Solid	Stranded
<b>1 conductor</b>	mm <sup>2</sup>	0.5-4 0.5-2.5 0.5-2.5 0.5-2.5
<b>2 flexible conductors with a TWIN ferrule</b>	mm <sup>2</sup>	— — — 0.5-1
<b>General Information</b>		
<b>Insulation material/Flammability rating (according to UL 94)</b>		PA/V0
<b>Operation temperatures</b>	°C ( °F )	-40(-40)~105(221)
<b>Stripping length</b>	mm	8-10
<b>Color</b>		Grey, Red, Blue (please contact sales for other color requirements)
<b>Screw/Rated torque</b>	-/N.m(lb.in)(kgf.cm)	M2.5/0.4 (3.6) (4.08)
<b>Accessories</b>		
<b>Ferrule</b>		/
<b>Cross &amp; Slotted Screwdriver specification (Thickness x Width)</b>	mm	0.6x3.5
<b>Screw</b>		Cross & Slotted screw
<b>Bridge (2-10P)</b>		DFA2.5
<b>End cover</b>		D-DCKKB2.5
<b>Partition plate</b>		/
<b>Marker</b>		ZB5 / WB5
<b>Marker support</b>		/
<b>Terminal strip marker support</b>		DLM2 / KLM3-20x8 / KLM3-44x8
<b>End clamp</b>		E-PC 1100A / E-WS N



### Screw connection technology 1

Feed-through, multi-conductor, multi-level, and ground terminal blocks

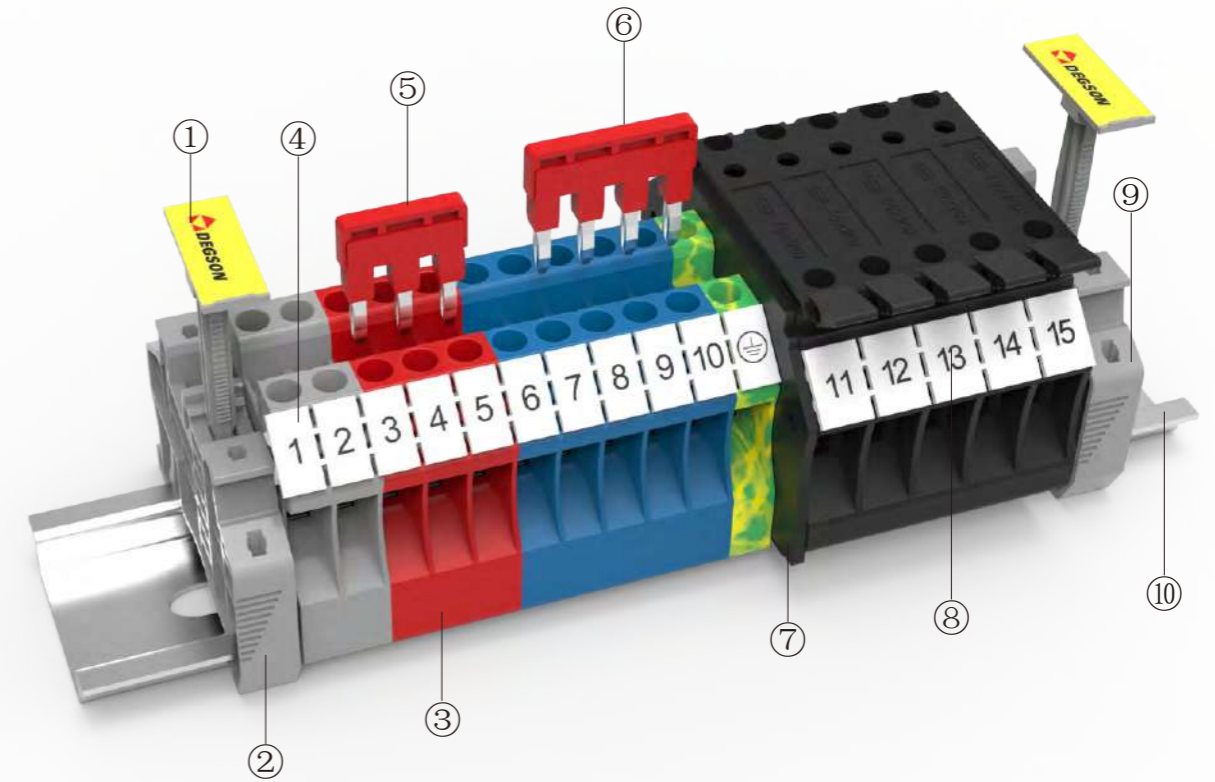


**DCKKB2.5-PE-02A(H)**  
(Cross & Slotted screw)

CE ENEC RoHS REACH

<b>Order NO.</b>	11020000194			
<b>Width/Length/Height(NS35/7.5&amp;NS35/15)</b>	mm	5.1/76/63(70.5)		
<b>Electrical Data</b>		IEC	UL	
		IEC60947-7-2	UL1059	
<b>Rated voltage</b>	V	/	/	
<b>Rated current</b>	A	/	/	
<b>Rated cross section</b>	mm <sup>2</sup> /AWG	0.5-4	26-12	
<b>Connection capacity</b>		Solid	Stranded	Ferrule (with and without plastic sleeve)
<b>1 conductor</b>	mm <sup>2</sup>	0.5-4	0.5-2.5	0.5-2.5
<b>2 flexible conductors with a TWIN ferrule</b>	mm <sup>2</sup>	—	—	0.5-1
<b>General Information</b>				
<b>Insulation material/Flammability rating (according to UL 94)</b>		PA/V0		
<b>Operation temperatures</b>	°C ( °F )	-40(-40)~105(221)		
<b>Stripping length</b>	mm	8-10		
<b>Color</b>		Yellow green mixed color		
<b>Screw/Rated torque</b>	-/N.m(lb.in)(kgf.cm)	M2.5/0.4 (3.6) (4.08)		

<b>Accessories</b>	
<b>Ferrule</b>	/
<b>Cross &amp; Slotted Screwdriver specification (Thickness x Width)</b>	mm 0.6x3.5
<b>Screw</b>	Cross & Slotted screw
<b>Bridge (2-10P)</b>	DFA2.5
<b>End cover</b>	D-DCKKB2.5
<b>Partition plate</b>	/
<b>Marker</b>	ZB5 / WB5
<b>Marker support</b>	/
<b>Terminal strip marker support</b>	DLM2 / KLM3-20x8 / KLM3-44x8
<b>End clamp</b>	E-PC 1100A / E-WS N



Description	Part No.	Remark
① Marker carrier	KLM3-20x8-11-00A(H)	Suitable for E-PC-1100A(H) & E-WS N
② End clamp	E-WS N-01P-11-00A(H)	Fixing products on NS35 DIN rail
③ Terminal blocks	DC2.5-01P-11-00A(H)	Steel cage locking type 4mm <sup>2</sup> DIN Rail terminal blocks
④ Marker	ZB6-10P-19-00A(H)	Marker is used for the side of DC4 series
⑤ Plug-in bridge	DFA4-03P-11-00A(H)	03P bridge, use for DC4 series
⑥ Plug-in bridge	DFA2.5-04P-11-00A(H)	04P bridge, use for DC4 series
⑦ End cover	D-DC4-HE-01P-13-00A(H)	End cover is used for DC4-HE
⑧ Marker	ZB8-10P-19-00A(H)	Marker is used for the side of DC4-HE
⑨ End clamp	E-WS N-01P-11-00A(H)	Fixing products on NS35 DIN rail
⑩ DIN rail	NS35/7.5-0150-00A(H)	NS35 DIN rail

**Circuit diagram**

	Connection point for wiring		Fuse connection		Disconnecting
	Connection point for bridging		Resistance connection		Circuit connection point
	LED light connection		Grounding connection		Diode connection

DC Series

DC Series

## Screw connection technology 1

Feed-through and ground terminal blocks


**DC4**

UL CE ENE RoHS REACH


**DC4-PE**

UL CE ENE RoHS REACH

Order NO.	11020000035				11020000046			
Width/Length/Height(NS35/7.5&NS35/15)	mm 6.1/42.3/41.9(49.4)				mm 6.1/42.3/41.9(49.4)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059	
Rated voltage	V	1000	600	/	/	/	/	
Rated current	A	32	30	/	/	/	/	
Rated cross section	mm <sup>2</sup> /AWG	0.5-4	22-10	0.5-4	22-10	0.5-4	22-10	
<b>Connection capacity</b>		Solid	Stranded	Ferrule (with and without plastic sleeve)	Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup>	0.5-6	0.5-4	0.5-4 0.5-4	0.5-6	0.5-4	0.5-4 0.5-4	
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup>	—	—	— 0.5-1.5	—	—	— 0.5-1.5	
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F )	-40(-40)~105(221)			-40(-40)~105(221)			
Stripping length	mm	8-9			8-9			
Color		Grey, Red, Blue (please contact sales for other color requirements)			Yellow green mixed color			
Screw/Rated torque	-/N.m(lb.in)(kgf.cm)	M3/0.5(4.5)(5.1)			M3/0.5(4.5)(5.1)			
<b>Accessories</b>								
Ferrule		/			/			
Slotted screwdriver size (Blade thickness x Width)	mm	0.6x3.5			0.6x3.5			
Screw		Slotted screw			Slotted screw			
Bridge (2-10P)		DFA4			/			
End cover		D-DC2.5			D-DC2.5			
Partition plate		/			/			
Marker		ZB6			ZB6			
Marker support		/			/			
Terminal strip marker support		DLM2 / KLM3-20x8 / KLM3-44x8			DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp		E-PC 1100A / E-WS N			E-PC 1100A / E-WS N			

## Screw connection technology 1

Feed-through and ground terminal blocks


**DC4-12A(H)  
(Cross & Slotted screw)**

UL CE ENE RoHS REACH

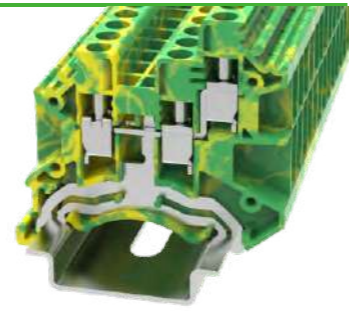
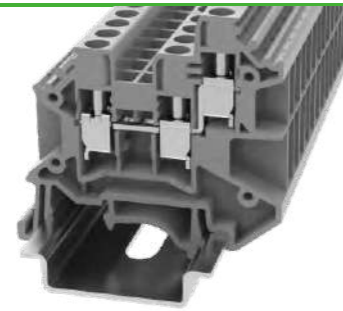

**DC4-PE-02A(H)  
(Cross & Slotted screw)**

UL CE ENE RoHS REACH

Order NO.	11020000059				11020000220			
Width/Length/Height(NS35/7.5&NS35/15)	mm 6.1/42.3/41.9(49.4)				mm 6.1/42.3/41.9(49.4)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059	
Rated voltage	V	1000	600	/	/	/	/	
Rated current	A	32	30	/	/	/	/	
Rated cross section	mm <sup>2</sup> /AWG	0.5-4	22-10	0.5-4	22-10	0.5-4	22-10	
<b>Connection capacity</b>		Solid	Stranded	Ferrule (with and without plastic sleeve)	Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup>	0.5-6	0.5-4	0.5-4 0.5-4	0.5-6	0.5-4	0.5-4 0.5-4	
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup>	—	—	— 0.5-1.5	—	—	— 0.5-1.5	
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F )	-40(-40)~105(221)			-40(-40)~105(221)			
Stripping length	mm	8-9			8-9			
Color		Grey, Red, Blue (please contact sales for other color requirements)			Yellow green mixed color			
Screw/Rated torque	-/N.m(lb.in)(kgf.cm)	M3/0.5(4.5)(5.1)			M3/0.5(4.5)(5.1)			
<b>Accessories</b>								
Ferrule		/			/			
Cross & Slotted Screwdriver specification (Thickness x Width)	mm	0.6x3.5			0.6x3.5			
Screw		Cross & Slotted screw			Cross & Slotted screw			
Bridge (2-10P)		DFA4			/			
End cover		D-DC2.5			D-DC2.5			
Partition plate		/			/			
Marker		ZB6			ZB6			
Marker support		/			/			
Terminal strip marker support		DLM2 / KLM3-20x8 / KLM3-44x8			DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp		E-PC 1100A / E-WS N			E-PC 1100A / E-WS N			

## Screw connection technology 1

Feed-through and ground terminal blocks


**DC4-TW**

CE ERE RoHS REACH

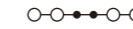
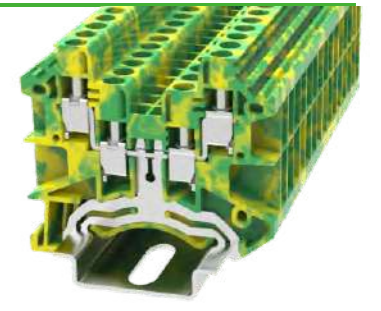

**DC4-TW-PE**

CE ERE RoHS REACH

Order NO.	11020000229				11020000230			
Width/Length/Height(NS35/7.5&NS35/15)	mm 6.2/50.9/49.2 56.7				mm 6.2/50.9/49.2 56.7			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059	
Rated voltage	V 500		300		/		/	
Rated current	A 32		30		/		/	
Rated cross section	mm <sup>2</sup> /AWG 0.5-4		20-12		0.5-4		20-12	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.5-6	0.5-4	0.5-2.5	0.5-2.5	0.5-6	0.5-4	0.5-2.5	0.5-2.5
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> -	-	-	0.5-2.5	-	-	-	0.5-2.5
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)				-40(-40)~105(221)			
Stripping length	mm 8-9				8-9			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Yellow green mixed color			
Screw/Rated torque	-/N.m(lb.in)(kgf.cm) M3/0.6(6.0)(5.1)				M3/0.6(6.0)(5.1)			
<b>Accessories</b>								
Ferrule	/				/			
Cross & Slotted Screwdriver specification (Thickness x Width)	mm 0.6x3.5				0.6x3.5			
Screw	Cross & Slotted screw				Cross & Slotted screw			
Bridge (2-10P)	DFA4				/			
End cover	D-DC2.5-TW				D-DC2.5-TW			
Partition plate	/				/			
Marker	ZB6				ZB6			
Marker support	/				/			
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			

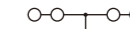
## Screw connection technology 1

Feed-through and ground terminal blocks


**DC4-QU**

(Cross &amp; Slotted screw)

CE ERE RoHS REACH


**DC4-QU-PE**

(Cross &amp; Slotted screw)

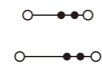
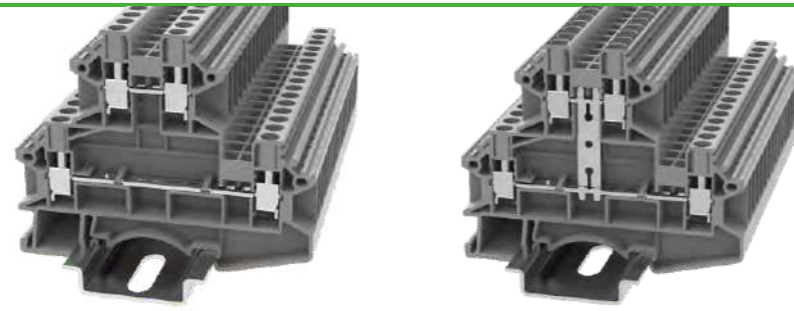
CE ERE RoHS REACH

Order NO.	11020000188				11020000189			
Width/Length/Height(NS35/7.5&NS35/15)	mm 6.1/54.4/49.2(56.7)				mm 6.1/54.4/49.2(56.7)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059	
Rated voltage	V 500		300		/		/	
Rated current	A 32		30		/		/	
Rated cross section	mm <sup>2</sup> /AWG 0.5-4		22-10		0.5-4		22-10	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.5-6	0.5-4	0.5-4	0.5-4	0.5-6	0.5-4	0.5-4	0.5-4
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> -	-	-	0.5-1.5	-	-	-	0.5-1.5
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)				-40(-40)~105(221)			
Stripping length	mm 8-9				8-9			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Yellow green mixed color			
Screw/Rated torque	-/N.m(lb.in)(kgf.cm) M3/0.6(6.0)(5.1)				M3/0.6(6.0)(5.1)			
<b>Accessories</b>								
Ferrule	/				/			
Cross & Slotted Screwdriver specification (Thickness x Width)	mm 0.6x3.5				0.6x3.5			
Screw	Cross & Slotted screw				Cross & Slotted screw			
Bridge (2-10P)	DFA4				/			
End cover	D-DC4-QU				D-DC4-QU			
Partition plate	/				/			
Marker	ZB6				ZB6			
Marker support	/				/			
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			



## Screw connection technology 1

Feed-through and ground terminal blocks


**DCKKB4**

CE ENEC RoHS REACH

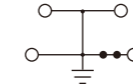
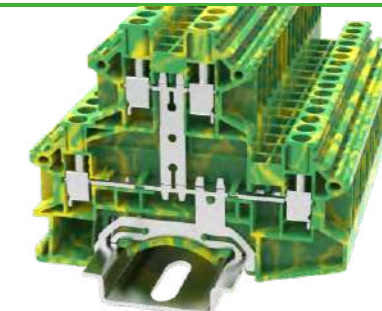

**DCKKB4-PV**

CE ENEC RoHS REACH

Order NO.	11020000126				11020000127			
Width/Length/Height(NS35/7.5&NS35/15)	mm 6.1/76/63(70.5)				mm 6.1/76/63(70.5)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-1		UL UL1059	
Rated voltage	V 800		300		V 800		300	
Rated current	A 32		30		A 32		30	
Rated cross section	mm <sup>2</sup> /AWG 0.5-4		22-10		mm <sup>2</sup> /AWG 0.5-4		22-10	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.5-6	0.5-4	0.5-4	0.5-4	mm <sup>2</sup> 0.5-6	0.5-4	0.5-4	0.5-4
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> -	-	-	0.5-1.5	mm <sup>2</sup> -	-	-	0.5-1.5
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)				°C ( °F ) -40(-40)~105(221)			
Stripping length	mm 8-9				mm 8-9			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Grey, Red, Blue (please contact sales for other color requirements)			
Screw/Rated torque	-/N.m(lb.in)(kgf.cm) M3/0.6(5.3)(6.1)				-/N.m(lb.in)(kgf.cm) M3/0.6(5.3)(6.1)			
<b>Accessories</b>								
Ferrule	/				/			
Slotted screwdriver size (Blade thickness x Width)	mm 0.6x3.5				mm 0.6x3.5			
Screw	Slotted screw				Slotted screw			
Bridge (2-10P)	DFA4				DFA4			
End cover	D-DCKKB2.5				D-DCKKB2.5			
Partition plate	/				/			
Marker	ZB6				ZB6			
Marker support	/				/			
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			

## Screw connection technology 1

Feed-through and ground terminal blocks

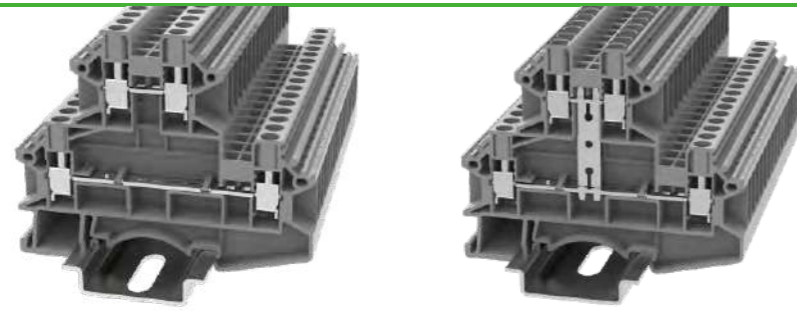

**DCKKB4-PE**

CE ENEC RoHS REACH

Order NO.	11020000070			
Width/Length/Height(NS35/7.5&NS35/15)	mm 6.1/76/63(70.5)			
<b>Electrical Data</b>	IEC IEC60947-7-2		UL UL1059	
Rated voltage	V /		/	
Rated current	A /		/	
Rated cross section	mm <sup>2</sup> /AWG 0.5-4		22-10	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.5-6	0.5-4	0.5-4	0.5-4
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> -	-	-	0.5-1.5
<b>General Information</b>				
Insulation material/Flammability rating (according to UL 94)	PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)			
Stripping length	mm 8-9			
Color	Yellow green mixed color			
Screw/Rated torque	-/N.m(lb.in)(kgf.cm) M3/0.6(5.3)(6.1)			
<b>Accessories</b>				
Ferrule	/			
Slotted screwdriver size (Blade thickness x Width)	mm 0.6x3.5			
Screw	Slotted screw			
Bridge (2-10P)	DFA4			
End cover	D-DCKKB2.5			
Partition plate	/			
Marker	ZB6			
Marker support	/			
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	E-PC 1100A / E-WS N			

## Screw connection technology 1

Feed-through and ground terminal blocks



**DCKKB4-01P-11-02A(H)**  
(Cross & Slotted screw)

CE ENEC RoHS REACH



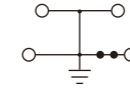
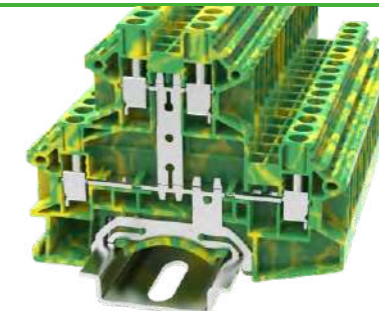
**DCKKB4-PV-02A(H)**  
(Cross & Slotted screw)

CE ENEC RoHS REACH

Order NO.	11020000191				11020000192			
Width/Length/Height(NS35/7.5&NS35/15)	mm 6.1/76/63(70.5)				mm 6.1/76/63(70.5)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-1		UL UL1059	
Rated voltage	V 800		300		V 800		300	
Rated current	A 32		30		A 32		30	
Rated cross section	mm <sup>2</sup> /AWG 0.5-4		22-10		mm <sup>2</sup> /AWG 0.5-4		22-10	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.5-6	0.5-4	0.5-4	0.5-4	mm <sup>2</sup> 0.5-6	0.5-4	0.5-4	0.5-4
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> -	-	-	0.5-1.5	mm <sup>2</sup> -	-	-	0.5-1.5
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)				°C ( °F ) -40(-40)~105(221)			
Stripping length	mm 8-9				mm 8-9			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Grey, Red, Blue (please contact sales for other color requirements)			
Screw/Rated torque	-/N.m(lb.in)(kgf.cm) M3/0.6(5.3)(6.1)				-/N.m(lb.in)(kgf.cm) M3/0.6(5.3)(6.1)			
<b>Accessories</b>								
Ferrule	/				/			
Cross & Slotted Screwdriver specification (Thickness x Width)	mm 0.6x3.5				mm 0.6x3.5			
Screw	Cross & Slotted screw				Cross & Slotted screw			
Bridge (2-10P)	DFA4				DFA4			
End cover	D-DCKKB2.5				D-DCKKB2.5			
Partition plate	/				/			
Marker	ZB6				ZB6			
Marker support	/				/			
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			

## Screw connection technology 1

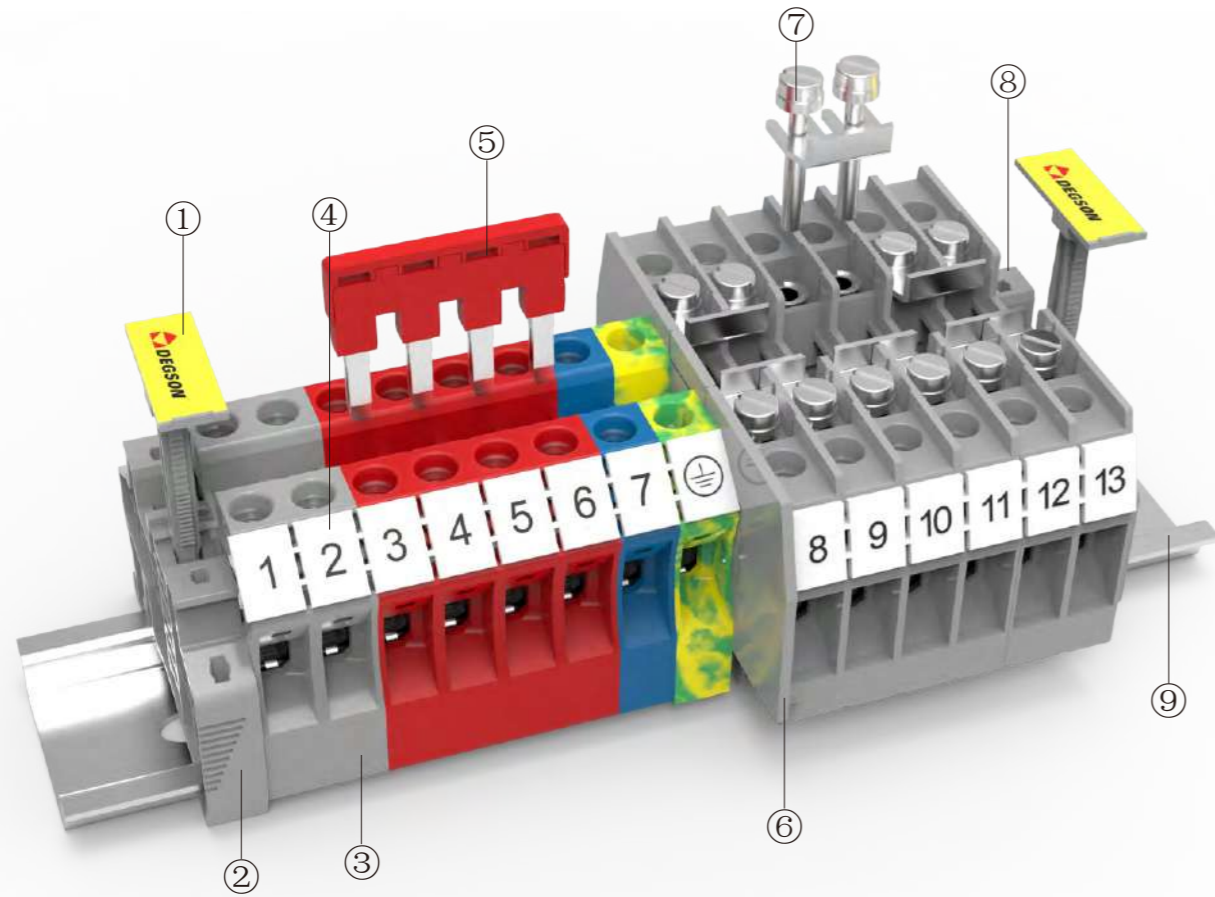
Feed-through and ground terminal blocks



**DCKKB4-PE-02A(H)**  
(Cross & Slotted screw)

CE ENEC RoHS REACH

Order NO.	11020000193			
Width/Length/Height(NS35/7.5&NS35/15)	mm 6.1/76/63(70.5)			
<b>Electrical Data</b>	IEC IEC60947-7-2		UL UL1059	
Rated voltage	V /		/	
Rated current	A /		/	
Rated cross section	mm <sup>2</sup> /AWG 0.5-4		22-10	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.5-6	0.5-4	0.5-4	0.5-4
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> -	-	-	0.5-1.5
<b>General Information</b>				
Insulation material/Flammability rating (according to UL 94)	PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)			
Stripping length	mm 8-9			
Color	Yellow green mixed color			
Screw/Rated torque	-/N.m(lb.in)(kgf.cm) M3/0.6(5.3)(6.1)			
<b>Accessories</b>				
Ferrule	/			
Slotted screwdriver size (Blade thickness x Width)	mm 0.6x3.5			
Screw	Cross & Slotted screw			
Bridge (2-10P)	DFA4			
End cover	D-DCKKB2.5			
Partition plate	/			
Marker	ZB6			
Marker support	/			
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	E-PC 1100A / E-WS N			



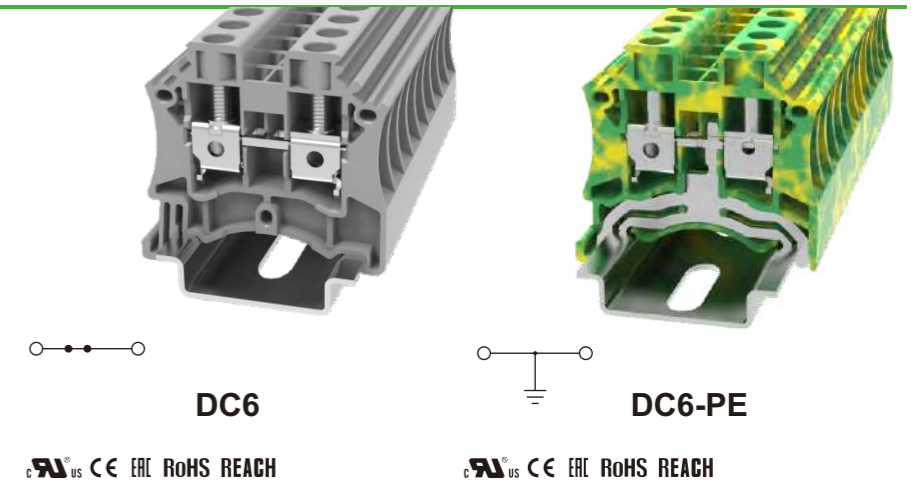
Description	Part No.	Remark
① Marker carrier	KLM3-20x8-11-00A(H)	Suitable for E-PC-1100A(H) & E-WS N
② End stopper	E-WS N-01P-11-00A(H)	Fixing products on NS35 DIN rail
③ Terminal blocks	DC6-01P-11-00A(H)	Steel cage locking type 6mm <sup>2</sup> DIN Rail terminal blocks
④ Marker	ZB8-10P-19-00A(H)	Marker is used for the side of DC6 series
⑤ Plug-in bridge	DFA6-04P-11-00A(H)	04P bridge, use for DC6 series
⑥ End cover	D-DCTK6-01P-11-00A(H)	End cover is used for DCTK6
⑦ Fixed bridge	FBR16-RTK/S-02P-00A(H)	02P bridge, use for DCTK6
⑧ End stopper	E-WS N-01P-11-00A(H)	Fixing products on NS35 DIN rail
⑨ DIN rail	NS35/7.5-0150-00A(H)	NS35 DIN rail

**Circuit diagram**

	○ Connection point for wiring		Fuse connection		Disconnecting
	● Connection point for bridging		Resistance connection		Circuit connection point
			Grounding connection		Diode connection

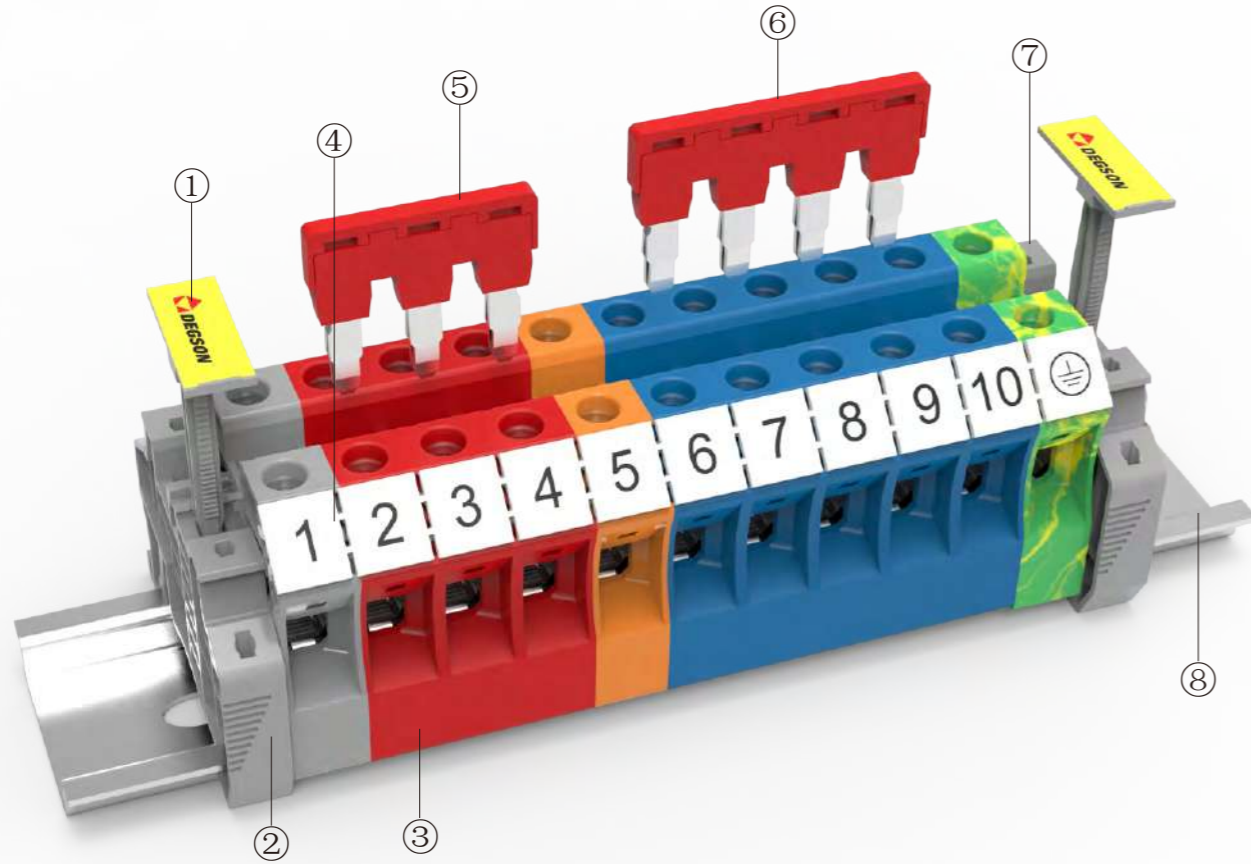
### Screw connection technology 1

Feed-through and ground terminal blocks



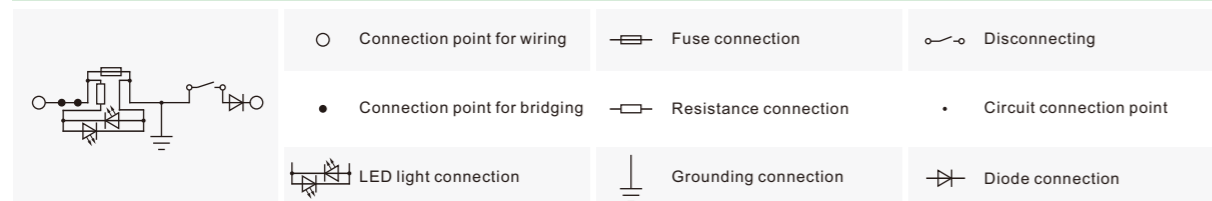
Order NO.	1102000047			1102000196		
Width/Length/Height(NS35/7.5&NS35/15)	mm			8/44.95/43.5(51)		
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2	
Rated voltage	V		1000		600	
Rated current	A		41		50	
Rated cross section	mm <sup>2</sup> /AWG		0.5-6		22-8	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded
1 conductor	mm <sup>2</sup>	0.5-6	0.5-6	0.5-4	0.5-4	0.5-4
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup>	—	—	0.5-2.5	—	0.5-2.5
<b>General Information</b>						
Insulation material/Flammability rating (according to UL 94)	PA/V0			PA/V0		
Operation temperatures	°C ( °F )		-40(-40)~105(221)		-40(-40)~105(221)	
Stripping length	mm		10-11		10-11	
Color	Grey, Red, Blue (please contact sales for other color requirements)			Yellow green mixed color		
Screw/Rated torque	-/N.m(lb.in)(kgf.cm)		M4/1.2(10.6)(12.24)		M4/1.2(10.6)(12.24)	
<b>Accessories</b>						
Ferrule	/			/		
Slotted screwdriver size (Blade thickness x Width)	mm		1x4		1x4	
Screw	Slotted screw			Slotted screw		
Bridge (2-10P)				DFA6		
End cover				D-DC6		
Partition plate	/			/		
Marker				ZB8		
Marker support	/			/		
Terminal strip marker support				DLM2 / KLM3-20x8 / KLM3-44x8		
End clamp				E-PC 1100A / E-WS N		





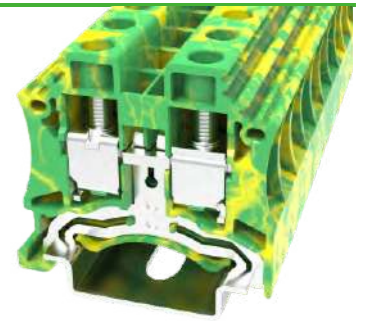
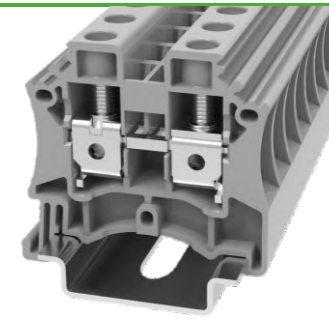
Description	Part No.	Remark
① Marker carrier	KLM3-20x8-11-00A(H)	Suitable for E-PC-1100A(H) & E-WS N
② End clamp	E-WS N-01P-11-00A(H)	Fixing products on NS35 DIN rail
③ Terminal blocks	DC6-01P-11-00A(H)	Steel cage locking type 10mm <sup>2</sup> DIN Rail terminal blocks
④ Marker	ZB10-10P-19-00A(H)	Marker is used for the side of DC10 series
⑤ Plug-in bridge	DFA10-03P-11-00A(H)	03P bridge, use for DC10
⑥ Plug-in bridge	DFA10-04P-11-00A(H)	04P bridge, use for DC10
⑦ End clamp	E-WS N-01P-11-00A(H)	Fixing products on NS35 DIN rail
⑧ DIN rail	NS35/7.5-0150-00A(H)	NS35 DIN rail

Circuit diagram



Screw connection technology 1

Feed-through and ground terminal blocks



DC10



DC10-PE

UL CE ENE RoHS REACH

UL CE ENE RoHS REACH

Order NO.	1102000001				1102000011				
Width/Length/Height(NS35/7.5&NS35/15)	mm 8/44.95/43.5(51)				mm 8/44.95/43.5(51)				
Electrical Data	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059		
	Rated voltage	V	1000	600	/	/	/	/	
Rated current	A	57	65	/	/	/	/		
Rated cross section	mm <sup>2</sup> / AWG	0.5-10	20-6	0.5-10	20-6	0.5-10	20-6		
Connection capacity		Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
	1 conductor	mm <sup>2</sup>	0.5-10	0.5-10	0.5-10	0.5-10	0.5-10	0.5-10	0.5-10
	2 flexible conductors with a TWIN ferrule	mm <sup>2</sup>	-	-	-	0.5-4	-	-	0.5-4

General Information

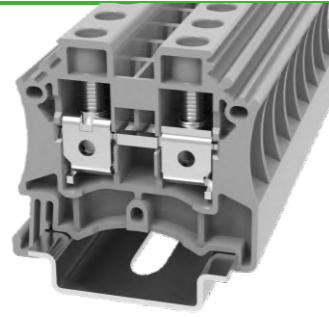
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0				
Operation temperatures	°C ( °F )	-40(-40)~105(221)				-40(-40)~105(221)			
Stripping length	mm	10-12				10-12			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Yellow green mixed color				
Screw/Rated torque	-/N.m(lb.in)(kgf.cm)	M4/1.54(14)(15.71)				M4/1.54(14)(15.71)			

Accessories

Ferrule	/				/				
Slotted screwdriver size (Blade thickness x Width)	mm	1x4				1x4			
Screw	Slotted screw				Slotted screw				
Bridge (2-10P)	DFA10				/				
End cover	D-DC6				D-DC6				
Partition plate	/				/				
Marker	ZB10				ZB10				
Marker support	/				/				
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8				
End clamp	E-PC 1100A / E-WS N				E-PC 1100A / E-WS N				

## Screw connection technology 1

Feed-through and ground terminal blocks



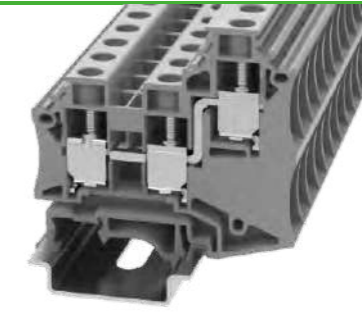
**DC10-300A(H)**  
(Cross & Slotted screw)

CE ENEC RoHS REACH

<b>Order NO.</b>	11020000182			
<b>Width/Length/Height(NS35/7.5&amp;NS35/15)</b>	mm	10.2/42.5/47.25(54.75)		
<b>Electrical Data</b>		IEC IEC60947-7-1	UL UL1059	
<b>Rated voltage</b>	V	800	600	
<b>Rated current</b>	A	57	30	
<b>Rated cross section</b>	mm <sup>2</sup> /AWG	0.5-10	20-6	
<b>Connection capacity</b>		Solid	Stranded	Ferrule (with and without plastic sleeve)
<b>1 conductor</b>	mm <sup>2</sup>	0.5-10	0.5-10	0.5-10
<b>2 flexible conductors with a TWIN ferrule</b>	mm <sup>2</sup>	—	—	0.5-4
<b>General Information</b>				
<b>Insulation material/Flammability rating (according to UL 94)</b>		PA/V0		
<b>Operation temperatures</b>	°C ( °F )	-40(-40)~105(221)		
<b>Stripping length</b>	mm	10-12		
<b>Color</b>		Grey, Red, Blue (please contact sales for other color requirements)		
<b>Screw/Rated torque</b>	-/N.m(lb.in)(kgf.cm)	M4/1.2(10.5)(12.24)		
<b>Accessories</b>				
<b>Ferrule</b>		/		
<b>Cross &amp; Slotted Screwdriver specification (Thickness x Width)</b>	mm	1x4		
<b>Screw</b>		Cross & Slotted screw		
<b>Bridge (2-10P)</b>		EB2-10 / EB3-10 / EB10-10		
<b>End cover</b>		D-PC2.5		
<b>Partition plate</b>		/		
<b>Marker</b>		ZB10		
<b>Marker support</b>		/		
<b>Terminal strip marker support</b>		DLM2 / KLM3-20x8 / KLM3-44x8		
<b>End clamp</b>		E-PC 1100A / E-WS N		

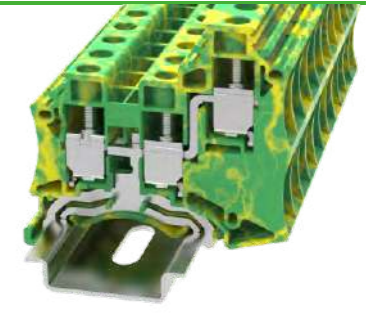
## Screw connection technology 1

Feed-through and ground terminal blocks



**DC10-TW**

CE ENEC RoHS REACH



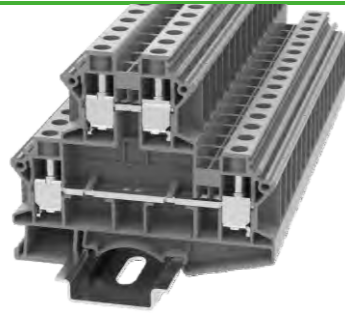
**DC10-TW-PE**

CE ENEC RoHS REACH





<b>Order NO.</b>	11020000206				11020000207			
<b>Width/Length/Height(NS35/7.5&amp;NS35/15)</b>	mm	10.2/58.7/55.5(63)			10.2/58.7/55.5(63)			
<b>Electrical Data</b>		IEC IEC60947-7-1	UL UL1059		IEC IEC60947-7-2	UL UL1059		
<b>Rated voltage</b>	V	1000	600		/	/		
<b>Rated current</b>	A	57	65		/	/		
<b>Rated cross section</b>	mm <sup>2</sup> /AWG	1.5-16	16-6		1.5-16	16-6		
<b>Connection capacity</b>		Solid	Stranded	Ferrule (with and without plastic sleeve)	Solid	Stranded	Ferrule (with and without plastic sleeve)	
<b>1 conductor</b>	mm <sup>2</sup>	0.5-16	0.5-10	0.5-10	0.5-16	0.5-10	0.5-10	0.5-10
<b>2 flexible conductors with a TWIN ferrule</b>	mm <sup>2</sup>	—	—	0.5-4	—	—	—	0.5-4
<b>General Information</b>								
<b>Insulation material/Flammability rating (according to UL 94)</b>		PA/V0			PA/V0			
<b>Operation temperatures</b>	°C ( °F )	-40(-40)~105(221)			-40(-40)~105(221)			
<b>Stripping length</b>	mm	11-12			11-12			
<b>Color</b>		Grey, Red, Blue (please contact sales for other color requirements)			Yellow green mixed color			
<b>Screw/Rated torque</b>	-/N.m(lb.in)(kgf.cm)	M4/1.54(14.0)(15.71)			M4/1.54(14.0)(15.71)			
<b>Accessories</b>								
<b>Ferrule</b>		/			/			
<b>Cross &amp; Slotted Screwdriver specification (Thickness x Width)</b>	mm	1x4			1x4			
<b>Screw</b>		Cross & Slotted screw			Cross & Slotted screw			
<b>Bridge (2-10P)</b>		DFA10			DFA10			
<b>End cover</b>		D-DC10-TW			D-DC10-TW			
<b>Partition plate</b>		/			/			
<b>Marker</b>		ZB10			ZB10			
<b>Marker support</b>		/			/			
<b>Terminal strip marker support</b>		DLM2 / KLM3-20x8 / KLM3-44x8			DLM2 / KLM3-20x8 / KLM3-44x8			
<b>End clamp</b>		E-PC 1100A / E-WS N			E-PC 1100A / E-WS N			

## Screw connection technology 1

Feed-through and ground terminal blocks

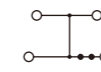
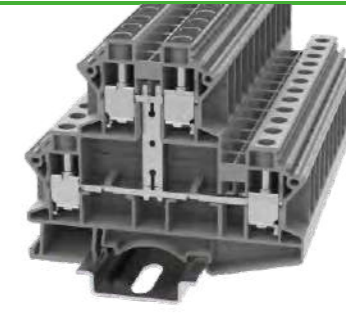

**DCKKB10**

CE ENEC RoHS REACH





<b>Order NO.</b>	11020000183			
Width/Length/Height(NS35/7.5&NS35/15) mm	10/83.9/72.5(80)			
<b>Electrical Data</b>	IEC IEC60947-7-1	UL UL1059		
Rated voltage V	500	300		
Rated current A	57	65		
Rated cross section mm <sup>2</sup> /AWG	0.5-10	20-6		
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor mm <sup>2</sup>	0.5-10	0.5-10	0.5-10	0.5-10
2 flexible conductors with a TWIN ferrule mm <sup>2</sup>	—	—	—	0.5-4
<b>General Information</b>				
Insulation material/Flammability rating (according to UL 94)	PA/V0			
Operation temperatures °C ( °F )	-40(-40)~105(221)			
Stripping length mm	10-11			
Color	Grey, Red, Blue (please contact sales for other color requirements)			
Screw/Rated torque -/N.m(lb.in)(kgf.cm)	M4/1.54(14)(15.71)			
<b>Accessories</b>				
Ferrule	/			
Slotted screwdriver size (Blade thickness x Width) mm	1x4			
Screw	Slotted screw			
Bridge (2-10P) 	DFA10			
End cover	/			
Partition plate	/			
Marker 	ZB10			
Marker support	/			
Terminal strip marker support 	DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp 	E-PC 1100A / E-WS N			

## Screw connection technology 1

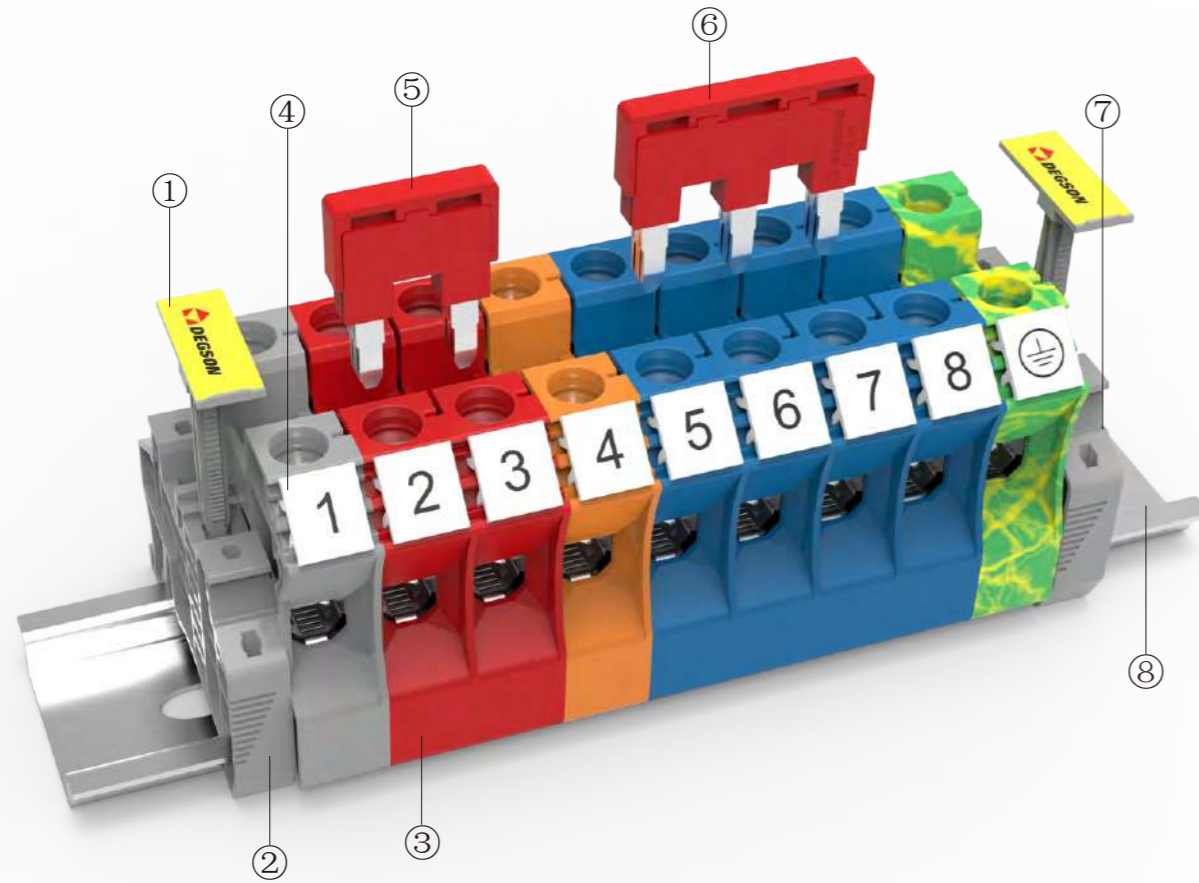
Feed-through and ground terminal blocks


**DCKKB10-PV**

CE ENEC RoHS REACH

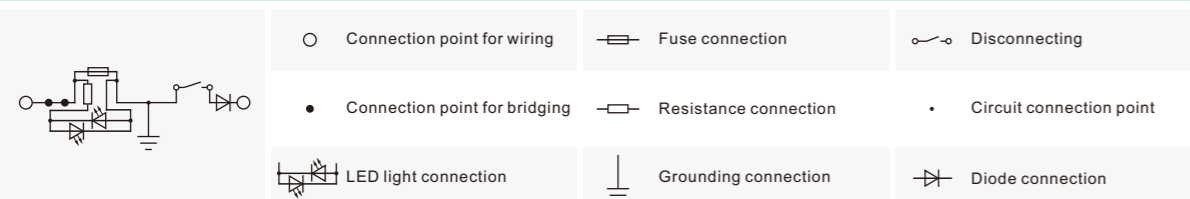
<b>Order NO.</b>	11020000184			
Width/Length/Height(NS35/7.5&NS35/15) mm	10/83.9/72.5(80)			
<b>Electrical Data</b>	IEC IEC60947-7-1	UL UL1059		
Rated voltage V	500	300		
Rated current A	57	65		
Rated cross section mm <sup>2</sup> /AWG	0.5-10	20-6		
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor mm <sup>2</sup>	0.5-10	0.5-10	0.5-10	0.5-10
2 flexible conductors with a TWIN ferrule mm <sup>2</sup>	—	—	—	0.5-4
<b>General Information</b>				
Insulation material/Flammability rating (according to UL 94)	PA/V0			
Operation temperatures °C ( °F )	-40(-40)~105(221)			
Stripping length mm	10-11			
Color	Grey, Red, Blue (please contact sales for other color requirements)			
Screw/Rated torque -/N.m(lb.in)(kgf.cm)	M4/1.54(14)(15.71)			
<b>Accessories</b>				
Ferrule	/			
Slotted screwdriver size (Blade thickness x Width) mm	1x4			
Screw	Slotted screw			
Bridge (2-10P) 	DFA10			
End cover	/			
Partition plate	/			
Marker 	ZB10			
Marker support	/			
Terminal strip marker support 	DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp 	E-PC 1100A / E-WS N			





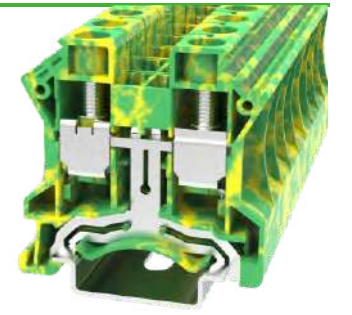
Description	Part No.	Remark
① Marker carrier	KLM3-20x8-11-00A(H)	Suitable for E-PC-1100A(H) & E-WS N
② End clamp	E-WS N-01P-11-00A(H)	Fixing products on NS35 DIN rail
③ Terminal blocks	DC16-01P-11-00A(H)	Steel cage locking type 16mm <sup>2</sup> DIN Rail terminal blocks
④ Marker	ZT12-10P-19-00A(H)	Marker is used for the side of DC16 series
⑤ Plug-in bridge	DFA16-02P-11-00A(H)	02P bridge, use for DC16
⑥ Plug-in bridge	DFA16-03P-11-00A(H)	03P bridge, use for DC16
⑦ End clamp	E-WS N-01P-11-00A(H)	Fixing products on NS35 DIN rail
⑧ DIN rail	NS35/7.5-0150-00A(H)	NS35 DIN rail

Circuit diagram



Screw connection technology 1

Feed-through and ground terminal blocks



DC16



DC16-PE

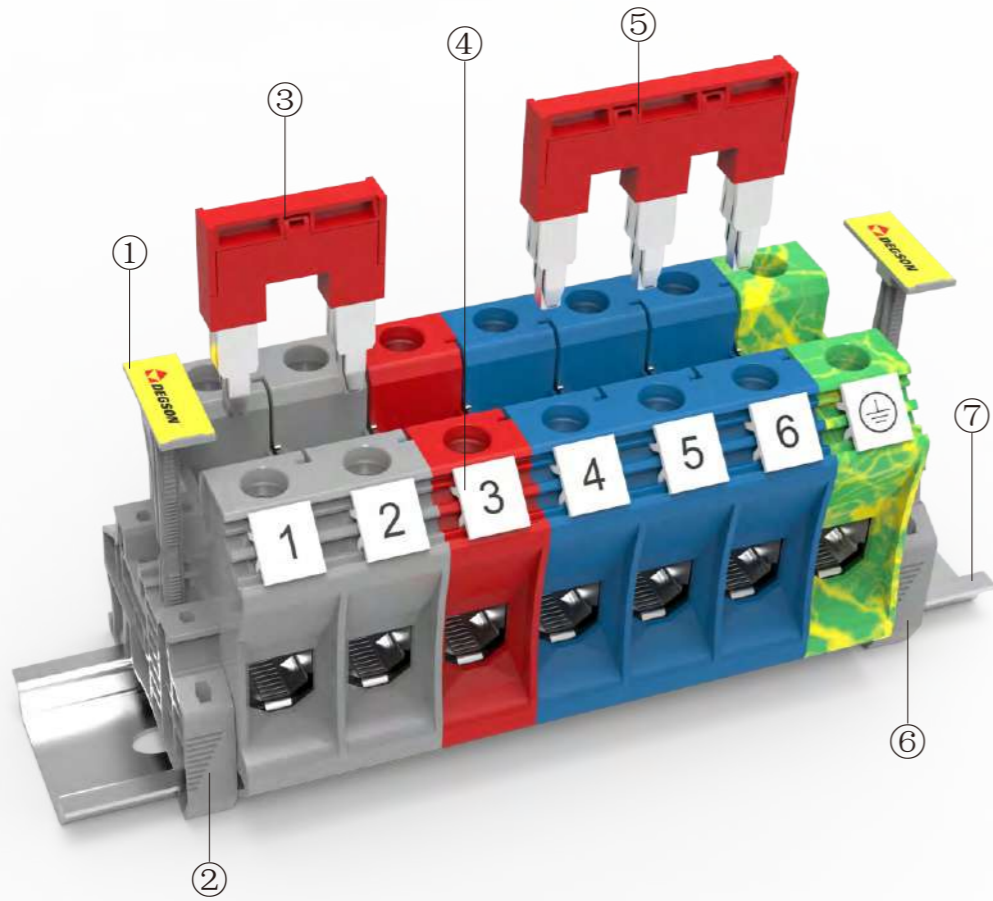
UL CE ERE RoHS REACH

CE ERE RoHS REACH

Order NO.	11020000012				11020000017			
Width/Length/Height(NS35/7.5&NS35/15)	mm 12/49/50.9(58.4)				mm 12/49/50.9(58.4)			
Electrical Data	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059	
	Rated voltage	V	1000	600	/	/	/	/
Rated current	A	76	100	/	/	/	/	
Rated cross section	mm <sup>2</sup> /AWG	1.5-25	14-3	1.5-25	14-3	1.5-25	14-3	
Connection capacity	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
	1 conductor	mm <sup>2</sup>	1.5-25	1.5-25	1.5-16	1.5-16	1.5-25	1.5-25
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup>	-	-	0.75-6	-	-	0.75-6	-
General Information								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F )	-40(-40)~105(221)			-40(-40)~105(221)			
Stripping length	mm	12			12			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Yellow green mixed color			
Screw/Rated torque	-/N.m(lb.in)(kgf.cm)	M5/2.5(27)(25)			M5/2.5(27)(25)			

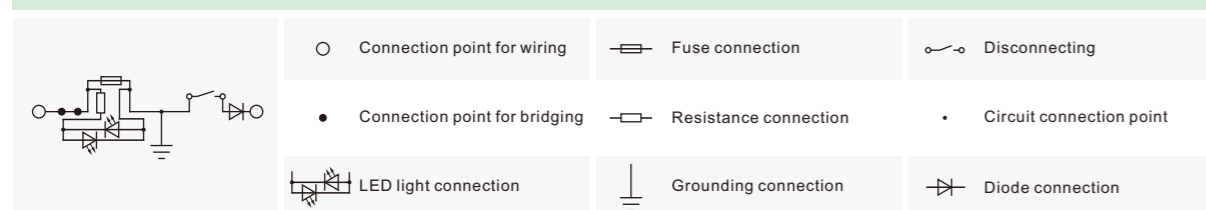
Accessories

Ferrule	/	/
Slotted screwdriver size (Blade thickness x Width)	mm 1x6.5	1x6.5
Screw	Slotted screw	Slotted screw
Plug-in bridge (2-3P)	DFA16	/
End cover	D-DC16	D-DC16
Partition plate	/	/
Marker	ZT12	ZT12
Marker support	/	/
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8	DLM2 / KLM3-20x8 / KLM3-44x8
End clamp	E-PC 1100A / E-WS N	E-PC 1100A / E-WS N



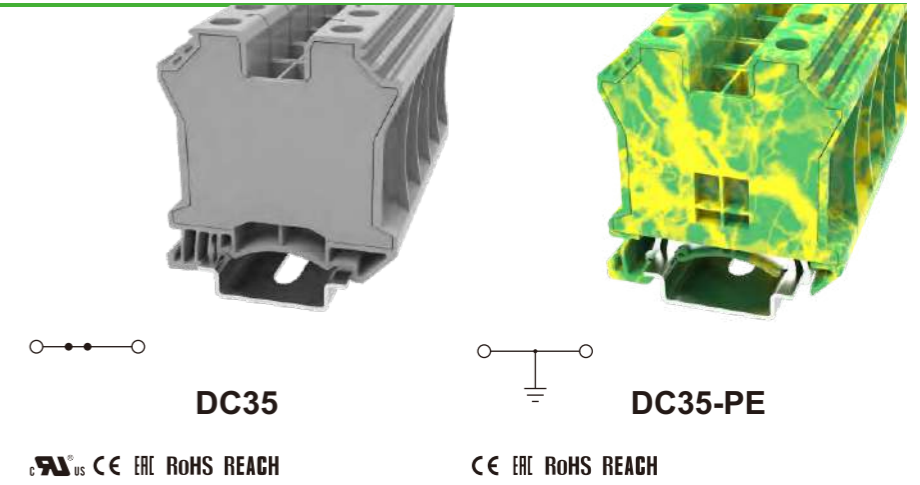
Description	Part No.	Remark
① Marker carrier	KLM3-20x8-11-00A(H)	Suitable for E-PC-1100A(H) & E-WS N
② End clamp	E-WS N-01P-11-00A(H)	Fixing products on NS35 DIN rail
③ Plug-in bridge	DFA35-02P-11-00A(H)	02P bridge, use for DC35
④ Marker	ZT12-10P-19-00A(H)	Marker is used for the side of DC35 series
⑤ Plug-in bridge	DFA35-03P-11-00A(H)	03P bridge, use for DC35
⑥ End clamp	E-WS N-01P-11-00A(H)	Fixing products on NS35 DIN rail
⑦ DIN rail	NS35/7.5-0150-00A(H)	NS35 DIN rail

Circuit diagram



Screw connection technology 1

Feed-through and ground terminal blocks



Order NO.	1102000029				1102000034				
	Width/Length/Height(NS35/7.5&NS35/15)		mm		mm		mm		
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059		
Rated voltage	V	1000	600	/	/	/	/		
Rated current	A	125	150	/	/	/	/		
Rated cross section	mm <sup>2</sup> /AWG	1.5-50	14-1/0	1.5-50	14-1/0	1.5-50	14-1/0		
<b>Connection capacity</b>		Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup>	2.5-50	2.5-50	1.5-35	1.5-35	2.5-50	2.5-50	1.5-35	1.5-35
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup>	-	-	-	1.5-10	-	-	-	1.5-10
<b>General Information</b>									
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0				
Operation temperatures	°C ( °F )	-40(-40)~105(221)				-40(-40)~105(221)			
Stripping length	mm	14-16				14-16			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Yellow green mixed color				
Screw/Rated torque	-/N.m(lb.in)(kgf.cm)	M6/3.5(31)(35)				M6/3.5(31)(35)			
<b>Accessories</b>									
Ferrule	/				/				
Slotted screwdriver size (Blade thickness x Width)	mm	1x6.5				1x6.5			
Screw	Slotted screw				Slotted screw				
Plug-in bridge (2-3P)	DFA35				/				
End cover	/				/				
Partition plate	/				/				
Marker	ZT12				ZT12				
Marker support	/				/				
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8				
End clamp	E-PC 1100A / E-WS N				E-PC 1100A / E-WS N				

## Screw connection technology 1

Feed-through and ground terminal blocks


**DC50**

**DC50-PE**

CE ENE RoHS REACH

CE ENE RoHS REACH

Order NO.	11020000216				11020000218			
Width/Length/Height(NS35/7.5&NS35/15)	mm 20/70.45/75.94(83.44)				mm 20/70.45/75.94(83.44)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059	
Rated voltage	V	1000	600	/	/	/	/	
Rated current	A	150	125	/	/	/	/	
Rated cross section	mm <sup>2</sup> /AWG	16-50	6-1/0	16-50	6-1/0	16-50	6-1/0	
<b>Connection capacity</b>		Solid	Stranded	Ferrule (with and without plastic sleeve)	Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup>	16-50	16-50	16-50	16-50	16-50	16-50	
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup>	—	—	—	10-16	—	—	
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F )	-40(-40)~105(221)			-40(-40)~105(221)			
Stripping length	mm	22-23			22-23			
Color		Grey, Red, Blue (please contact sales for other color requirements)			Yellow and green			
Screw/Rated torque	-/N.m(lb.in)(kgf.cm)	M6/2.5(22.2)(25)			M6/2.5(22.2)(25)			
<b>Accessories</b>								
Ferrule		/			/			
Slotted screwdriver size (Blade thickness x Width)	mm	1.2x8			1.2x8			
Screw		Slotted screw			Slotted screw			
Bridge(2P,3P)		FBI2-20 / FBI3-20			/			
End cover		/			/			
Partition plate		/			/			
Marker		ZT12			ZT12			
Marker support		/			/			
Terminal strip marker support		DLM2 / KLM3-20x8 / KLM3-44x8			DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp		E-PC 1100A / E-WS N			E-PC 1100A / E-WS N			

## Screw connection technology 1

Feed-through and ground terminal blocks


**DC50-01A(H)**  
(Hex socket screws)

**DC50-PE-01A(H)**  
(Hex socket screws)

CE ENE RoHS REACH

CE ENE RoHS REACH

Order NO.	11020000233				11020000232			
Width/Length/Height(NS35/7.5&NS35/15)	mm 20/70.45/75.94(83.44)				mm 20/70.45/75.94(83.44)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059	
Rated voltage	V	1000	600	/	/	/	/	
Rated current	A	150	125	/	/	/	/	
Rated cross section	mm <sup>2</sup> /AWG	16-50	6-1/0	16-50	6-1/0	16-50	6-1/0	
<b>Connection capacity</b>		Solid	Stranded	Ferrule (with and without plastic sleeve)	Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup>	16-50	16-50	16-50	16-50	16-50	16-50	
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup>	—	—	—	10-16	—	—	
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F )	-40(-40)~105(221)			-40(-40)~105(221)			
Stripping length	mm	22-23			22-23			
Color		Grey, Red, Blue (please contact sales for other color requirements)			Yellow and green			
Screw/Rated torque	-/N.m(lb.in)(kgf.cm)	M6/2.5(22.2)(25)			M6/2.5(22.2)(25)			
<b>Accessories</b>								
Ferrule		/			/			
Screw(Allen key)		1.2x8			1.2x8			
Screw		Hex socket screws			Hex socket screws			
Bridge(2P,3P)		FBI2-20 / FBI3-20			/			
End cover		/			/			
Partition plate		/			/			
Marker		ZT12			ZT12			
Marker support		/			/			
Terminal strip marker support		DLM2 / KLM3-20x8 / KLM3-44x8			DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp		E-PC 1100A / E-WS N			E-PC 1100A / E-WS N			



## Screw connection technology 1

Feed-through and ground terminal blocks



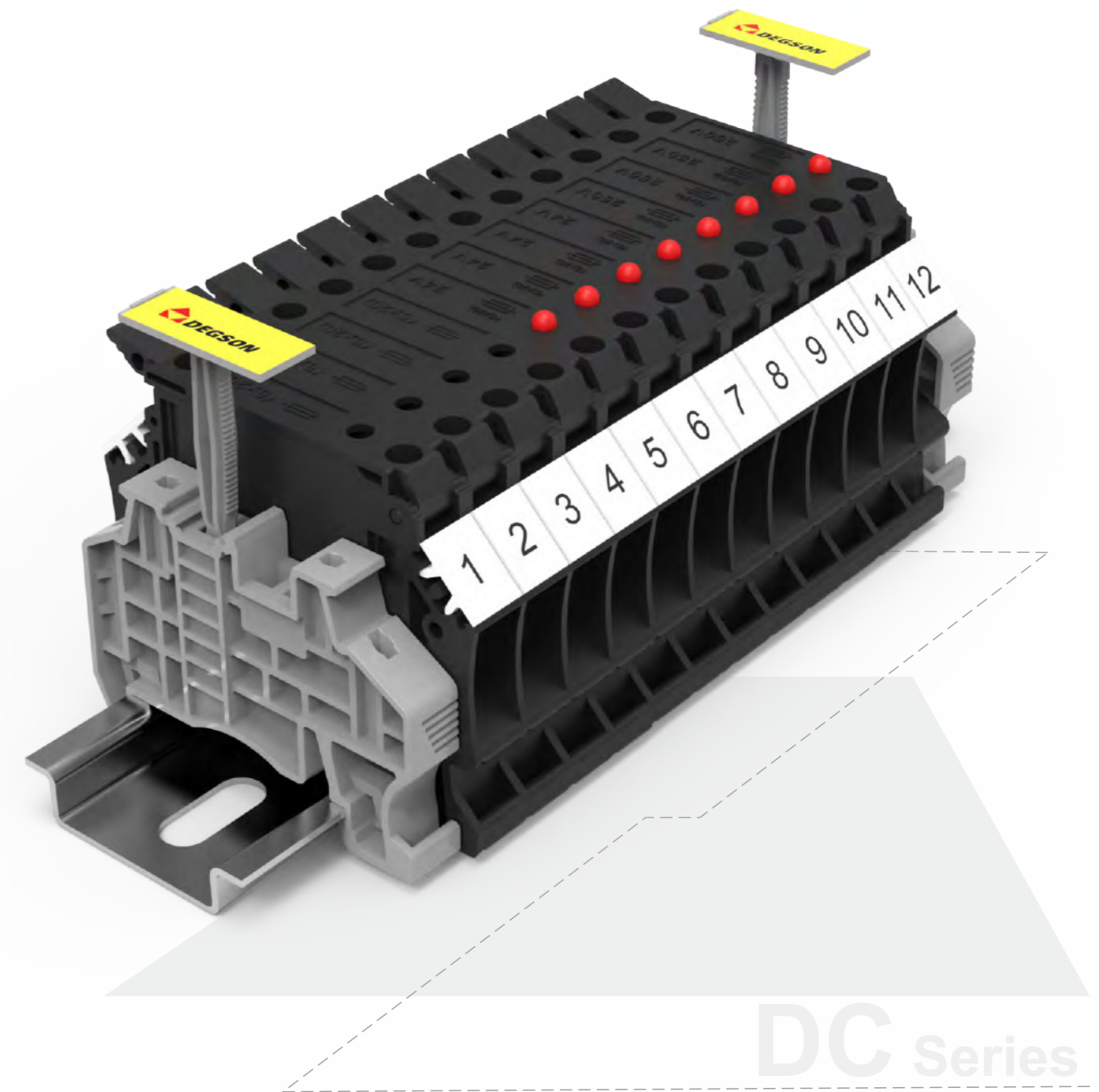
DC95

CE ENEC RoHS REACH

<b>Order NO.</b>	11020000213			
Width/Length/Height(NS35/7.5&NS35/15)	mm	25/83/90.04(97.54)		
<b>Electrical Data</b>		IEC IEC60947-7-1	UL UL1059	
Rated voltage	V	1000	600	
Rated current	A	232	230	
Rated cross section	mm <sup>2</sup> /AWG	25-95	2-4/0	
<b>Connection capacity</b>		Solid	Stranded	Ferrule (with and without plastic sleeve)
1 conductor	mm <sup>2</sup>	25-95	25-95	25-95
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup>	—	—	25-35
<b>General Information</b>				
Insulation material/Flammability rating (according to UL 94)		PA/V0		
Operation temperatures	°C ( °F )	-40(-40)~105(221)		
Stripping length	mm	33-35		
Color		Grey, Red, Blue (please contact sales for other color requirements)		
Screw/Rated torque	-/N.m(lb.in)(kgf.cm)	M8/25(221.5)(250)		
<b>Accessories</b>				
Ferrule		/		
Screw(Allen key)		/		
Screw		Hex socket screws		
Bridge (2-10P )		/		
End cover		/		
Partition plate		/		
Marker		ZT12		
Marker support		/		
Terminal strip marker support		DLM2 / KLM3-20x8 / KLM3-44x8		
End clamp		E-PC 1100A / E-WS N		

## DC Fuse Terminal Blocks

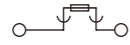
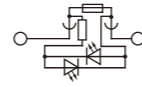
- DC Fuse type terminal blocks, with screw connection technology, high-quality steel screw and cage ensure the stable & reliable connection
- Snap-on fuse box for easy fuse replacement
- Equipped with LED indicator for quick identification of fusing status
- Compatible with the marking system to clearly identify the working area



DC Series

## Screw connection technology 1

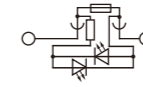
Fuse terminal blocks(5X20)


**DC4-HE**
**CE ENEC RoHS REACH**

**DC4-HE-LD24**
**CE ENEC RoHS REACH**

Order NO.	11020000045				11020000120			
Width/Length/Height(NS35/7.5&NS35/15)	mm 8/58/50(57.5)				mm 8/58/50(57.5)			
<b>Electrical Data</b>	IEC IEC60947-7-3		UL UL1059		IEC IEC60947-7-3			
Rated voltage	V	500	600		24 (Led voltage range 12-30V)			
Rated current	A	6.3	6.3		6.3			
Rated cross section	mm <sup>2</sup> /AWG	0.5-6	20-10		0.5-6	20-10		
<b>Connection capacity</b>		Solid	Stranded	Ferrule (with and without plastic sleeve)	Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup>	0.5-6	0.5-4	0.5-4 0.5-4	0.5-6	0.5-4	0.5-4 0.5-4	
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup>	—	—	— 0.5-1.5	—	—	— 0.5-1.5	
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F )	-40(-40)~105(221)			-40(-40)~105(221)			
Stripping length	mm	9			9			
Color		Black (please contact sales for other color requirements)			Black (please contact sales for other color requirements)			
Screw/Rated torque	-/N.m(lb.in)(kgf.cm)	M3/0.5(4.5)(5.1)			M3/0.5(4.5)(5.1)			
<b>Accessories</b>								
Ferrule		/			/			
Slotted screwdriver size (Blade thickness x Width)	mm	0.6x3.5			0.6x3.5			
Screw		Slotted screw			Slotted screw			
Bridge(2,3,10P)		EBC2-8 / EBC3-8 / EBC410-8			EBC2-8 / EBC3-8 / EBC10-8			
End cover		D-DC4-HE			D-DC4-HE			
Partition plate		/			/			
Marker		ZB8			ZB8			
Marker support		/			/			
Terminal strip marker support		DLM2 / KLM3-20x8 / KLM3-44x8			DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp		E-PC 1100A / E-WS N			E-PC 1100A / E-WS N			

## Screw connection technology 1

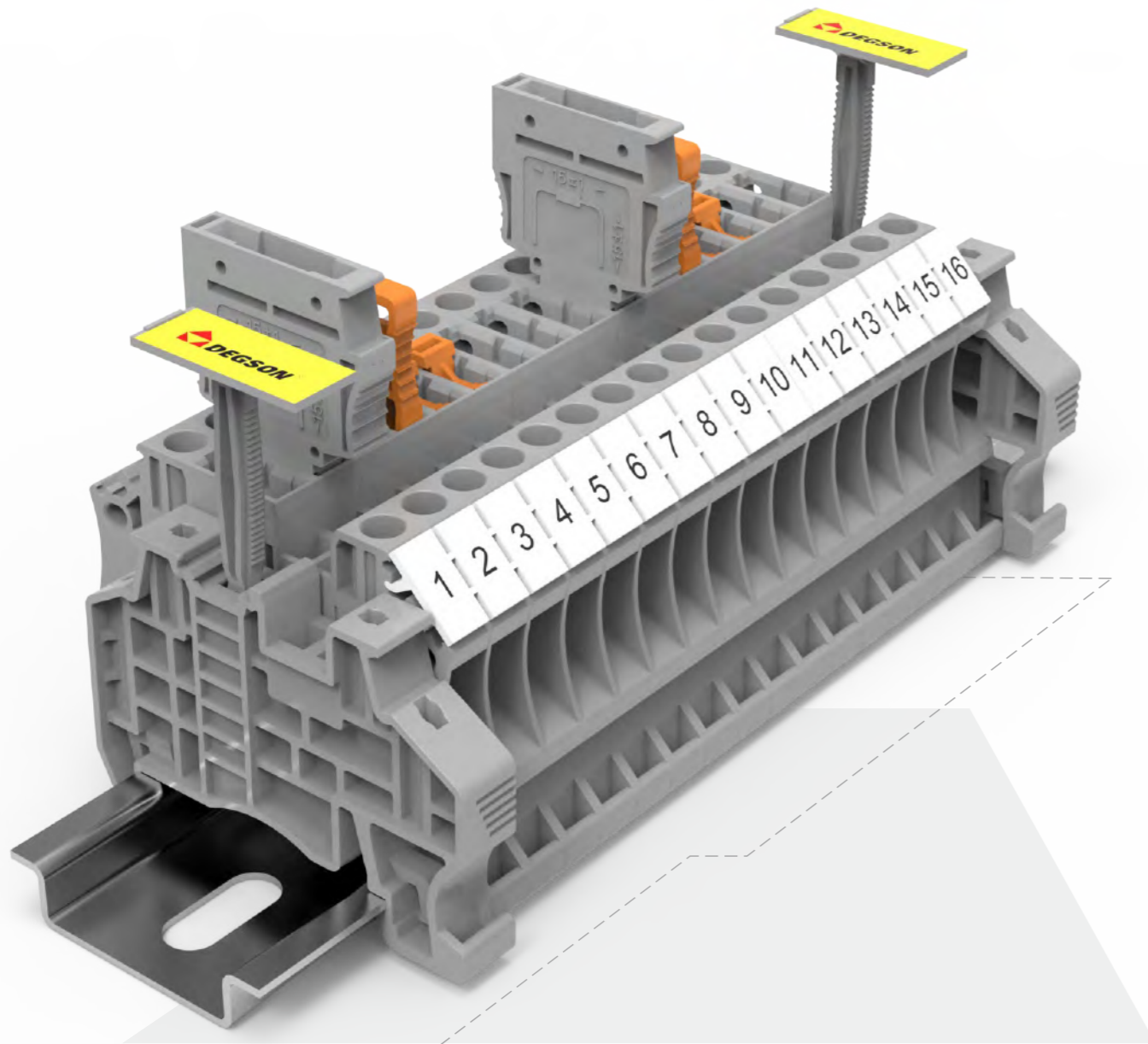
Fuse terminal blocks(5X20)


**DC4-HE-LD250**
**CE ENEC RoHS REACH**

Order NO.	11020000121			
Width/Length/Height(NS35/7.5&NS35/15)	mm 8/58/50(57.5)			
<b>Electrical Data</b>	IEC IEC60947-7-3			
Rated voltage	V	250 (Led voltage range 110-250V)		
Rated current	A	6.3		
Rated cross section	mm <sup>2</sup> /AWG	0.5-6	20-10	
<b>Connection capacity</b>		Solid	Stranded	Ferrule (with and without plastic sleeve)
1 conductor	mm <sup>2</sup>	0.5-6	0.5-4	0.5-4 0.5-4
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup>	—	—	— 0.5-1.5
<b>General Information</b>				
Insulation material/Flammability rating (according to UL 94)	PA/V0			
Operation temperatures	°C ( °F )	-40(-40)~105(221)		
Stripping length	mm	9		
Color		Black (please contact sales for other color requirements)		
Screw/Rated torque	-/N.m(lb.in)(kgf.cm)	M3/0.5(4.5)(5.1)		
<b>Accessories</b>				
Ferrule		/		
Slotted screwdriver size (Blade thickness x Width)	mm	0.6x3.5		
Screw		Slotted screw		
Bridge(2,3,10P)		EBC2-8 / EBC3-8 / EBC10-8		
End cover		D-DC4-HE		
Partition plate		/		
Marker		ZB8		
Marker support		/		
Terminal strip marker support		DLM2 / KLM3-20x8 / KLM3-44x8		
End clamp		E-PC 1100A / E-WS N		

## DC Disconnect Terminal Blocks

- DC Knife disconnect terminal blocks, with screw connection technology, high-quality steel screw and cage ensure the stable & reliable connection
- The circuit can be disconnected, measured, controlled easily by operate the knife disconnecter
- Snap-on knife disconnecter to prevent accidental disconnection
- Universal breaking area to achieve different functions, can insert breaking plug, component plug, fuse plug



DC Series

## Screw connection technology 1

Disconnect terminal blocks



**DC4-MT**



**DC4-TG**

CE ERE RoHS REACH

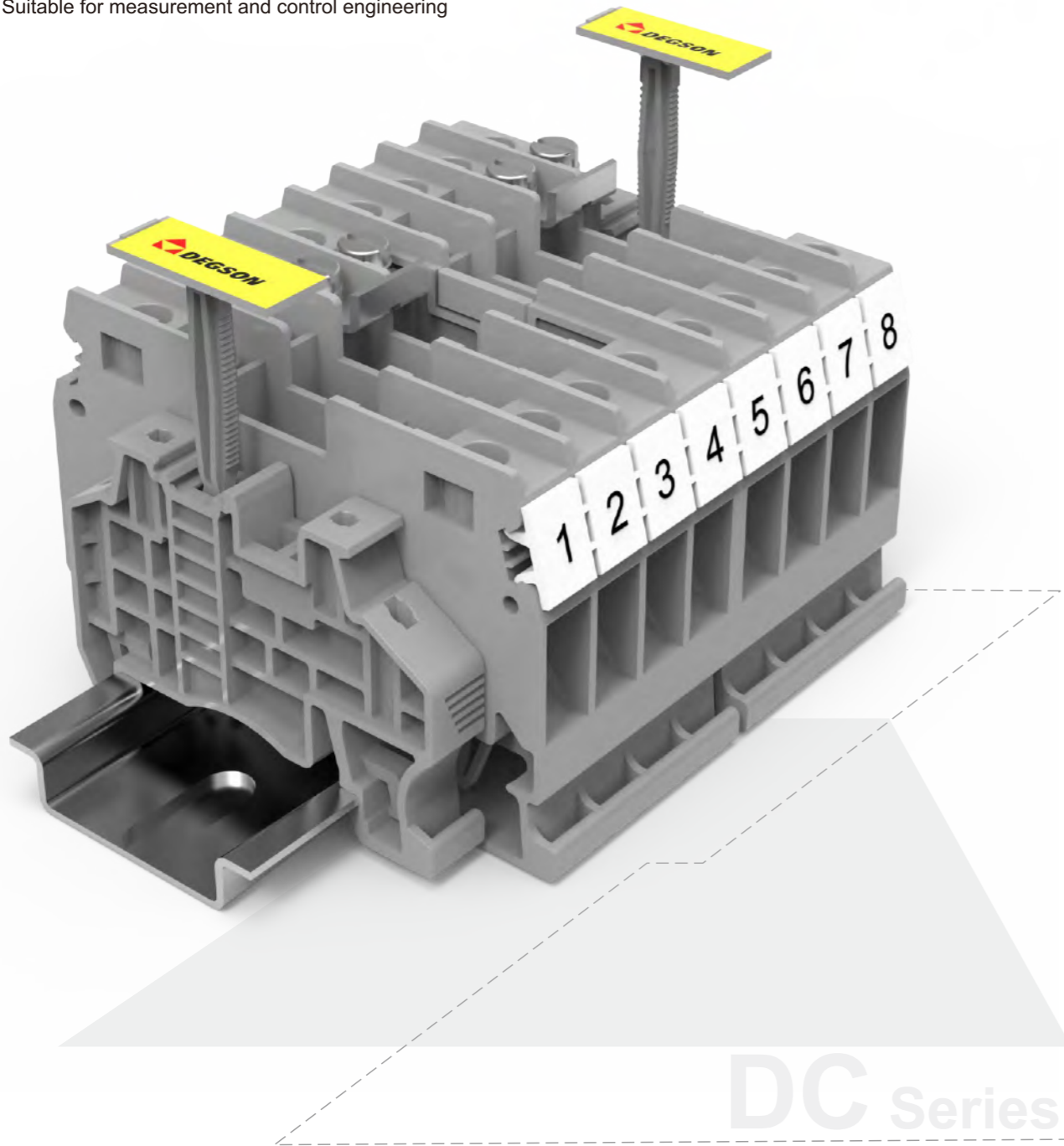
CE ERE RoHS REACH

Order NO.	11020000187				11020000186			
Width/Length/Height(NS35/7.5&NS35/15)	mm				6.1/56.8/41.5(49)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-1		UL UL1059	
Rated voltage	V		500		600		500	
Rated current	A		20		16		20	
Rated cross section	mm <sup>2</sup> /AWG		0.5-6		26-10		0.5-6	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup>	0.5-6	0.5-4	0.5-4	0.5-4	0.5-4	0.5-4	0.5-4
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup>	—	—	0.5-1.5	—	—	—	0.5-1.5
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F )		-40(-40)~105(221)		-40(-40)~105(221)		-40(-40)~105(221)	
Stripping length	mm		8-9		8-9		8-9	
Color	Grey, Red, Blue (please contact sales for other color requirements)				Grey, Red, Blue (please contact sales for other color requirements)			
Screw/Rated torque	-/N.m(lb.in)(kgf.cm)		M3/0.65(6.63)(5.76)		M3/0.65(6.63)(5.76)		M3/0.65(6.63)(5.76)	
<b>Accessories</b>								
Matching accessories			/		DS-DI / DS-CO / DS-FU5 / DS-FU5-LD24			
Slotted screwdriver size (Blade thickness x Width)	mm		0.6x3.5		0.6x3.5			
Screw	Slotted screw				Slotted screw			
Bridge (2-10P)			DFA4		DFA4			
End cover			D-DC4-TG		D-DC4-TG			
Partition plate	/				/			
Marker			ZB6		ZB6			
Marker support	/				/			
Terminal strip marker support			DLM2 / KLM3-20x8 / KLM3-44x8		DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp			E-PC 1100A / E-WS N		E-PC 1100A / E-WS N			



## DC Test Disconnect Terminal Block

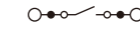
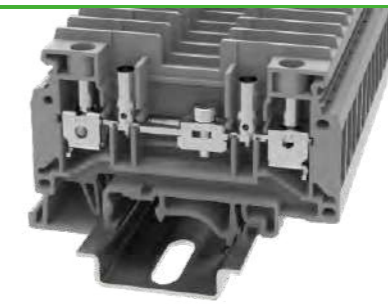
- DC Test disconnect terminal block, with screw connection technology, high-quality steel screw and cage ensure the stable & reliable connection
- The circuit can be disconnected, measured, controlled easily by operate the slide disconnector
- With bushing and bridges, it can be short-circuited and then open-circuited, which is convenient for protecting and measuring the secondary circuit
- Suitable for measurement and control engineering



DC Series

## Screw connection technology 1

Test disconnect terminal block



DCTK6-20A(H)

CE ENEC RoHS REACH

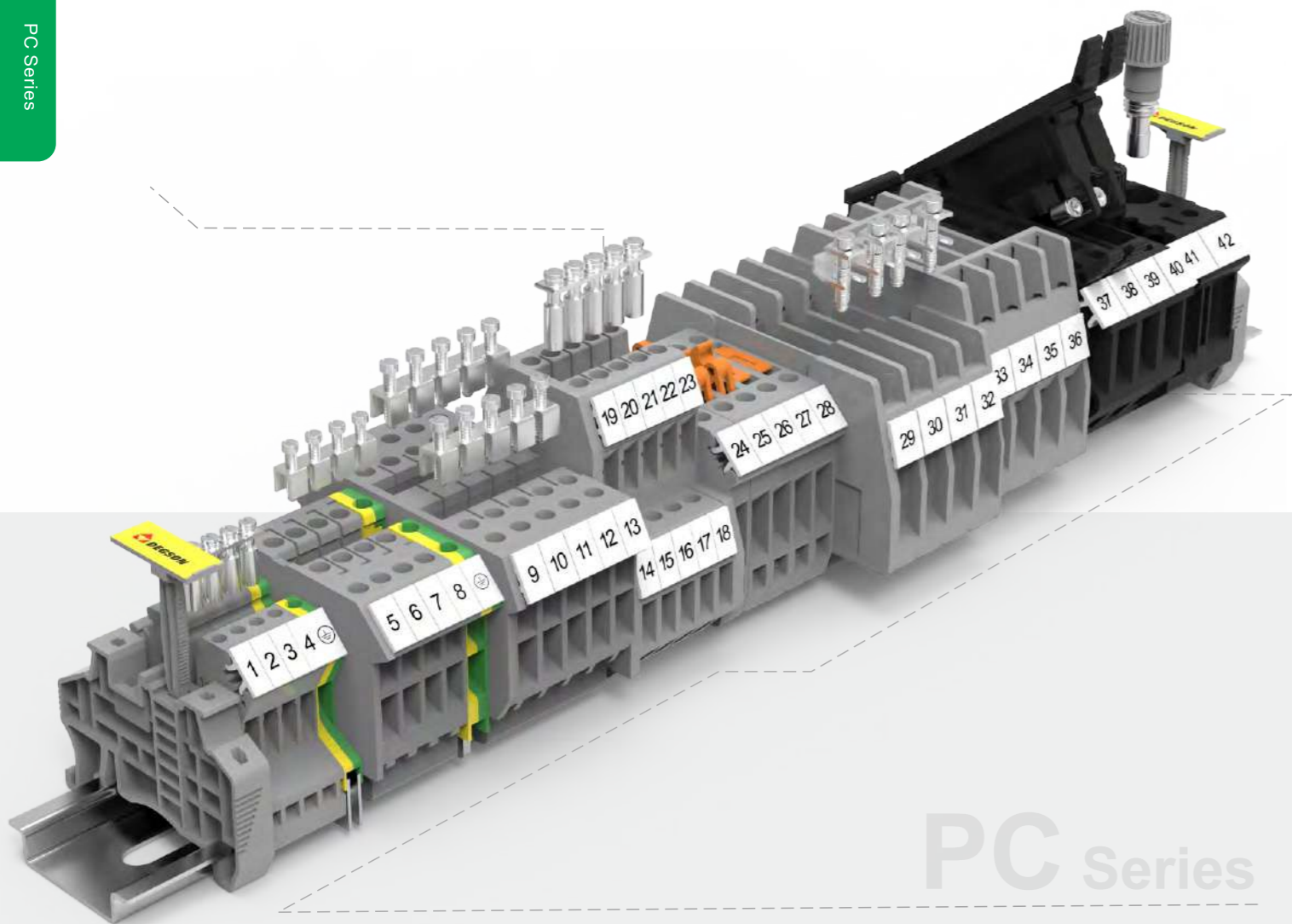
<b>Order NO.</b>	11020000234			
Width/Length/Height(NS35/7.5&NS35/15)	mm	8/69/46.55(54.05)		
<b>Electrical Data</b>		IEC IEC60947-7-1	UL UL1059	
Rated voltage	V	630	300	
Rated current	A	41	45	
Rated cross section	mm <sup>2</sup> /AWG	0.5-6	22-8	
<b>Connection capacity</b>		Solid	Stranded	Ferrule (with and without plastic sleeve)
1 conductor	mm <sup>2</sup>	0.5-6	0.5-6	0.5-6 0.5-6
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup>	—	—	— 0.5-4
<b>General Information</b>				
Insulation material/Flammability rating (according to UL 94)		PA/V0		
Operation temperatures	°C ( °F )	-40(-40)~105(221)		
Stripping length	mm	10-11		
Color		Grey, Red, Blue (please contact sales for other color requirements)		
Screw/Rated torque	-/N.m(lb.in)(kgf.cm)	M4/1.2(10.6)(12.24)		
<b>Accessories</b>				
Ferrule		/		
Slotted screwdriver size (Blade thickness x Width)	mm	1x4		
Screw		Slotted screw		
Bridge (2-10P)		FBR12-RTK/S		
End cover		D-DCTK6		
Partition plate		/		
Marker		ZB8		
Marker support		/		
Terminal strip marker support		DLM2 / KLM3-20x8 / KLM3-44x8		
End clamp		E-PC 1100A / E-WS N		

## PC-Copper Screw Terminal Blocks

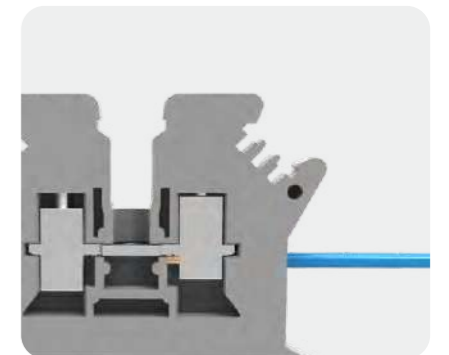
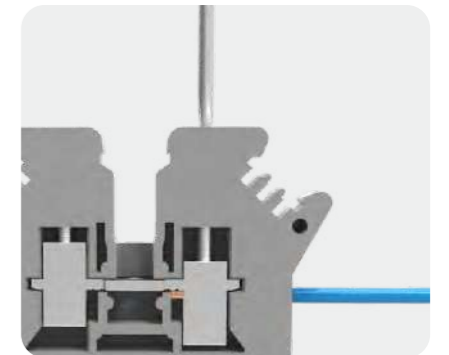
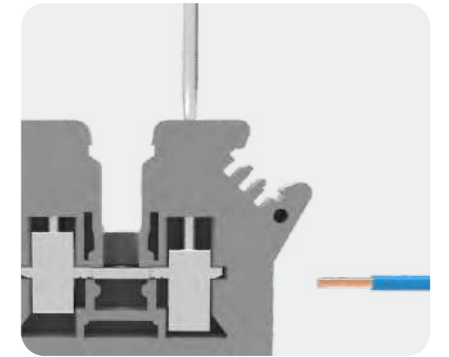
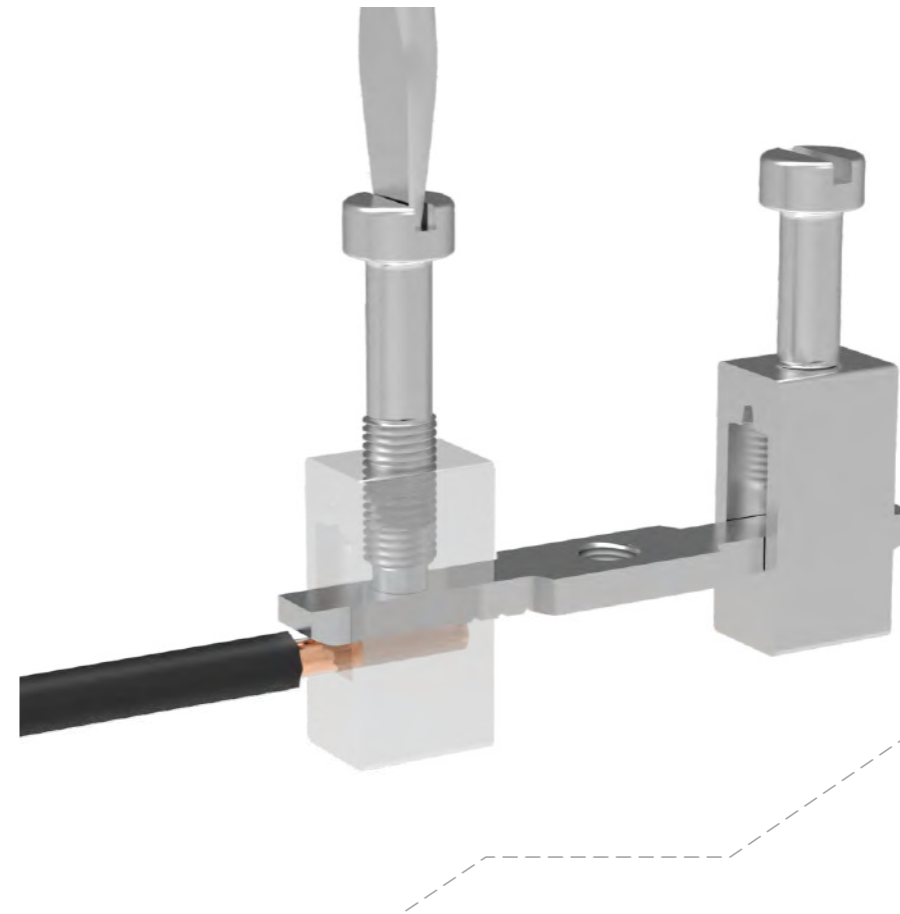
### Feature

- Screw connection technology is adopted, with excellent connection airtightness
- All copper alloy material, low contact resistance
- The wiring is very flexible and can realize multi wire connection
- Large area identification space, clear wiring

PC Series



PC Series

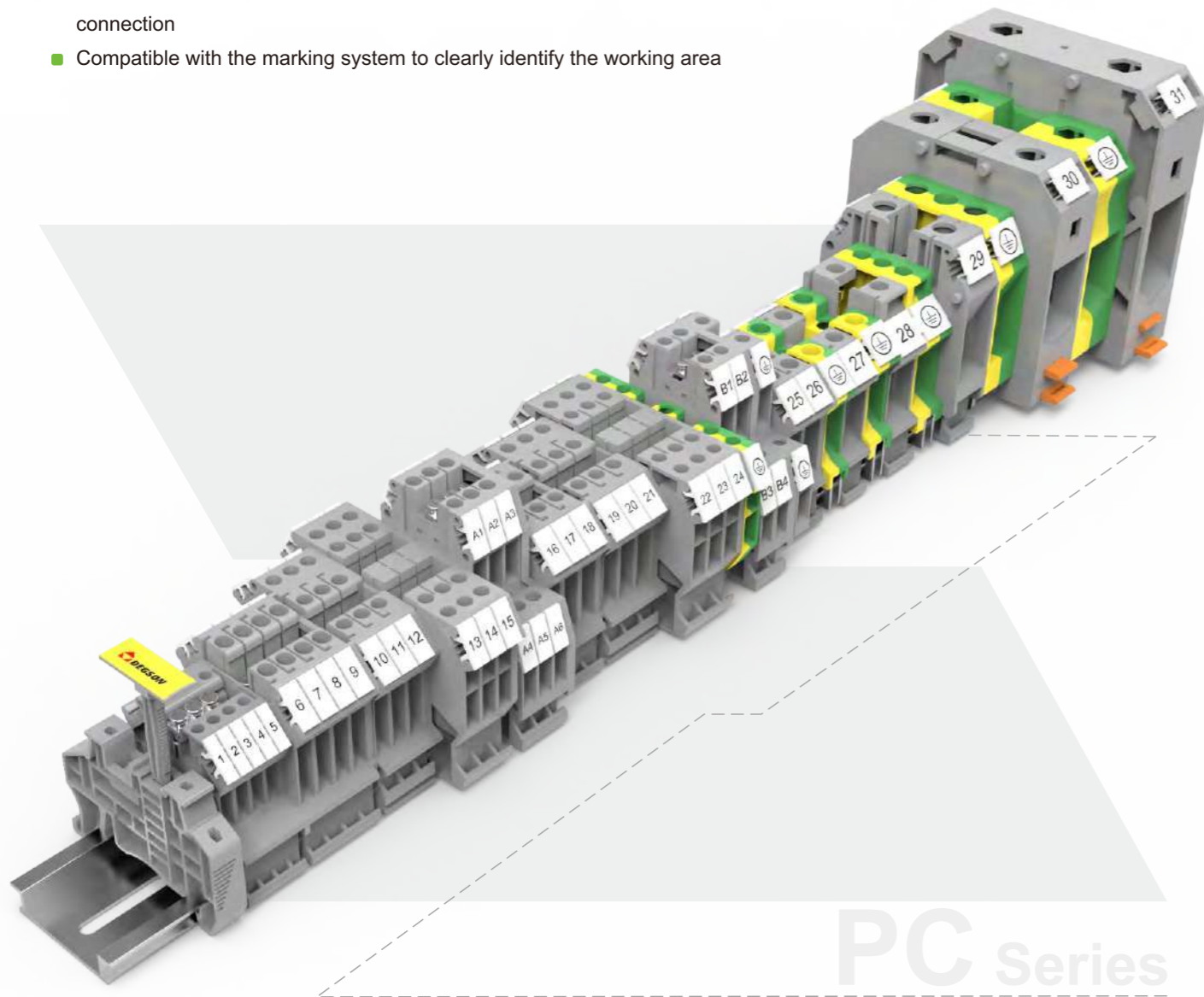


PC Series

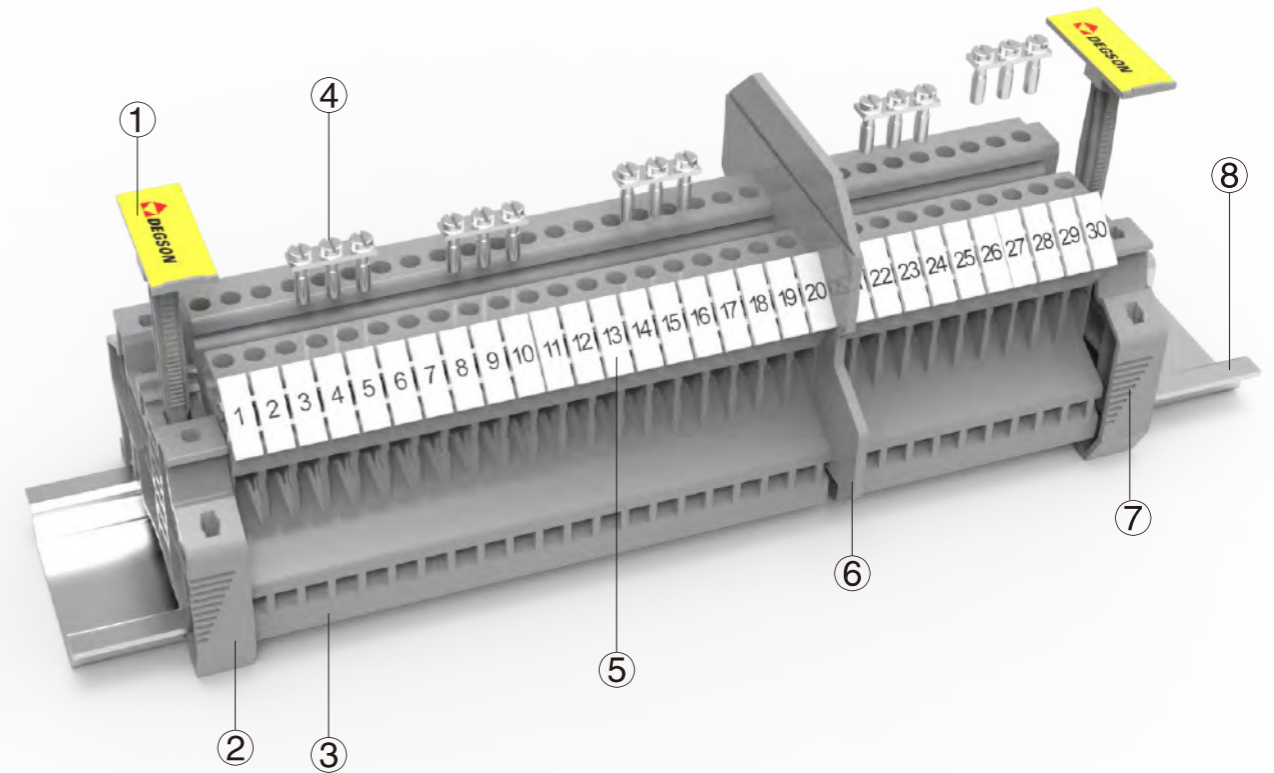
PC Copper screw terminal blocks adopts copper screw and copper cage to cooperate with clamp wire to ensure excellent connection airtightness and maintain long-term low contact resistance. The raw materials of PA66 plastic parts can meet the working environment of - 40 °C to 105 °C, all PC series products meet UL94 V0 flame retardant grade. Compact structure multi-conductor and multi-layer terminals, saving space in the cabinet.

### PC Feed-through Terminal Blocks

- PC Feed-through terminal blocks, with screw connection technology, high-quality copper screw and cage ensure the stable & reliable connection
- Multi-deck type, space saving
- The fixed bridge can realize the potential distribution of 2-10 positions;By cutting off individual bifurcations, the side plug-in bridge can reach jumped connection
- Compatible with the marking system to clearly identify the working area



PC Series



Description	Part No.	Remark
① Marker carrier	KLM3-20x8-11-00A(H)	Suitable for E-PC-1100A(H) & E-WS N
② End Clamp	E-WS N-01P-11-00A(H)	Fixing products on NS35 DIN rail
③ Terminal blocks	PC1.5-01P-11-00A(H)	Brass screw type 1.5mm <sup>2</sup> DIN Rail terminal blocks
④ Fixed bridge	FBR13-4-00A(H)	03P bridge, use for PC1.5
⑤ Marker	ZB4-10P-19-00A(H)	Marker is used for the side of PC1.5
⑥ Partition plate	ATP-PC-01P-11-00A(H)	End cover is used for PC1.5
⑦ End Clamp	E-WS N-01P-11-00A(H)	Fixing products on NS35 DIN rail
⑧ DIN rail	NS35/7.5-0150-00A(H)	NS35 DIN rail

#### Circuit diagram

	○ Connection point for wiring		⊞ Fuse connection		⊞ Disconnecting
	● Connection point for bridging		⊞ Resistance connection		● Circuit connection point
	⊞ LED light connection		⊞ Grounding connection		⊞ Diode connection



## Screw connection technology 2

Feed-through terminal blocks

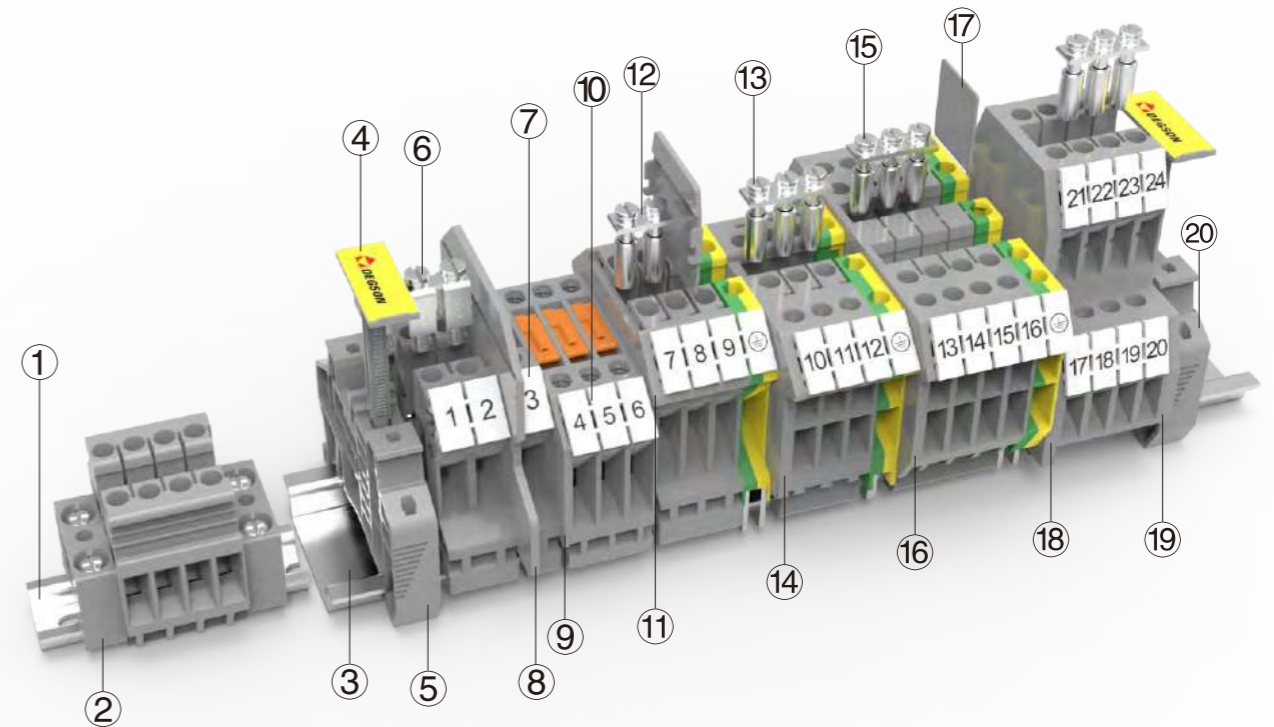


### PC1.5

UL US CE ENEC RoHS REACH

<b>Order NO.</b>	11010000017			
<b>Width/Length/Height(NS35/7.5&amp;NS35/15)</b>	mm	4.2/42.5/42.05(49.55)		
<b>Electrical Data</b>		IEC IEC60947-7-1	UL UL1059	
<b>Rated voltage</b>	V	500	600	
<b>Rated current</b>	A	17.5	10	
<b>Rated cross section</b>	mm <sup>2</sup> /AWG	0.2-1.5	26-16	
<b>Connection capacity</b>		Solid	Stranded	Ferrule (with and without plastic sleeve)
<b>1 conductor</b>	mm <sup>2</sup>	0.2-1.5	0.2-1.5	0.2-0.5
<b>2 flexible conductors with a TWIN ferrule</b>	mm <sup>2</sup>	—	—	0.5
<b>General Information</b>				
<b>Insulation material/Flammability rating (according to UL 94)</b>		PA/V0		
<b>Operation temperatures</b>	°C ( °F )	-40(-40)~105(221)		
<b>Stripping length</b>	mm	6-7		
<b>Color</b>		Grey, Red, Blue (please contact sales for other color requirements)		
<b>Screw/Rated torque</b>	-/N.m(lb.in)(kgf.cm)	M2.5/0.2(1.8)(2.04)		

Accessories			
<b>Ferrule</b>		/	
<b>Slotted screwdriver size (Blade thickness x Width)</b>	mm	0.4x2.5	
<b>Flexed bridge ( 2,3,5,10P )</b>		FBR10-4	
<b>Insertion bridge (2-10P)</b>		/	
<b>End cover</b>		D-PC1.5	
<b>Separating disk</b>		/	
<b>Partition plate</b>		ATP-PC	
<b>Marker</b>		ZB4	
<b>Marker support</b>		/	
<b>Terminal strip marker support</b>		DLM2 / KLM3-20x8 / KLM3-44x8	
<b>End clamp</b>		E-PC 1100A / E-WS N	



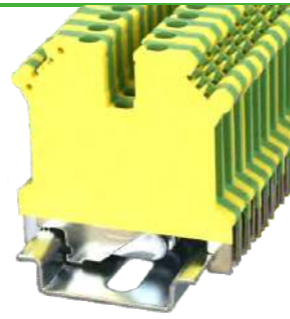
Description	Part No.	Remark
① DIN rail	NS15-0050-00A(H)	NS15 DIN rail
② End Clamp	E-PC-DIN15-01P-11-1000A(H)	Fixing products on NS15 DIN rail
③ DIN rail	NS35/7.5-0150-00A(H)	NS35 DIN rail
④ Marker carrier	KLM3-20x8-11-00A(H)	Suitable for E-PC-1100A(H) & E-WS N
⑤ End Clamp	E-WS N-01P-11-00A(H)	Fixing products on NS35 DIN rail
⑥ Fixed bridge	FBI2-6-00A(H)	02P bridge, use for PC2.5B
⑦ Marker	ZB6-10P-19-00A(H)	Marker is used for the side of PC2.5B
⑧ Partition plate	ATP-PC-01P-11-00A(H)	End cover is used for PC2.5 series
⑨ End cover	D-PCMT2.5-01P-11-00A(H)	End cover is used for PCMT2.5
⑩ Marker	ZB5-10P-19-00A(H)	Marker is used for the side of PC2.5 series
⑪ End cover	D-PC2.5-01P-11-00A(H)	End cover is used for PC2.5
⑫ Fixed bridge	FBR12-5-00A(H)	02P bridge, use for PC2.5
⑬ Separating disk	TS-K-01P-11-00A(H)	The Separating disk is used for PC2.5, PCMB2.5
⑭ End cover	D-PC4-TW-01P-11-00A(H)	End cover is used for PC2.5-TW
⑮ Fixed bridge	FBR13-5-00A(H)	03P bridge, use for PC2.5 series
⑯ End cover	D-PCDK2.5-01P-11-00A(H)	End cover is used for PCDK2.5
⑰ Separating disk	TS-KK3-01P-11-00A(H)	The Separating disk is used for PCDK2.5, PC2.5B, PCKK2.5
⑱ End cover	D-PCKK2.5-01P-11-00A(H)	End cover is used for PCKK2.5
⑲ Compensation plate	DP-PCKK2.5-01P-11-00A(H)	End cover is used for PCKK2.5 series
⑳ End Clamp	E-WS N-01P-11-00A(H)	Fixing products on NS35 DIN rail

#### Circuit diagram

	○ Connection point for wiring		Fuse connection		Disconnecting
	● Connection point for bridging		Resistance connection		Circuit connection point
	LED light connection		Grounding connection		Diode connection

## Screw connection technology 2

Feed-through, multi-conductor, multi-level, and ground terminal blocks


**PC2.5**

**PC2.5-PE**

Order NO.	11010000031				11010000041			
Width/Length/Height(NS35/7.5&NS35/15)	mm 5.2/42.5/47.25(54.75)				mm 5.2/42.5/47.25(54.75)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059	
Rated voltage	V 800		600		/		/	
Rated current	A 24		20		/		/	
Rated cross section	mm <sup>2</sup> /AWG 0.2-2.5		24-12		0.2-2.5		24-12	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.2-2.5	0.2-2.5	0.2-2.5	0.2-1.5	0.2-2.5	0.2-2.5	0.2-2.5	0.2-1.5
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> —	—	—	0.5-0.75	—	—	—	0.5-0.75
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)				-40(-40)~105(221)			
Stripping length	mm 7				9-10			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Yellow and green			
Screw/Rated torque	-N.m(lb.in)(kgf.cm) M3/0.5(4.5)(5.1)				M3/0.5(4.5)(5.1)			
<b>Accessories</b>								
Ferrule	/				/			
Slotted screwdriver size (Blade thickness x Width)	mm 0.6x3.5				0.6x3.5			
Flexed bridge ( 2,3,4,5,6,8,10P )	FBI10-5				/			
Insertion bridge (2-10P)	EB2-5 / EB3-5 / EB10-5				EB2-5 / EB3-5 / EB10-5			
End cover	D-PC2.5				/			
Separating disk	TS-K				/			
Partition plate	ATP-PC				/			
Marker	ZB5 / ZS5				ZB5 / ZS5			
Marker support	/				/			
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			

## Screw connection technology 2

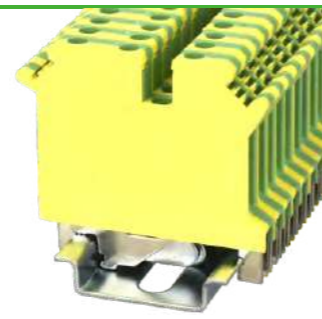
Feed-through, multi-conductor, multi-level, and ground terminal blocks


**PC2.5B**

Order NO.	11010000032			
Width/Length/Height(NS35/7.5&NS35/15)	mm 6.2/42.5/42.05(49.55)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059	
Rated voltage	V 800		600	
Rated current	A 24		20	
Rated cross section	mm <sup>2</sup> /AWG 0.2-2.5		24-12	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.2-2.5	0.2-2.5	0.2-2.5	0.2-1.5
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> —	—	—	0.5-0.75
<b>General Information</b>				
Insulation material/Flammability rating (according to UL 94)	PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)			
Stripping length	mm 7			
Color	Grey, Red, Blue (please contact sales for other color requirements)			
Screw/Rated torque	-N.m(lb.in)(kgf.cm) M3/0.5(4.5)(5.1)			
<b>Accessories</b>				
Ferrule	/			
Slotted screwdriver size (Blade thickness x Width)	mm 0.6x3.5			
Flexed bridge ( 2,3,5,7,8,10P )	FBI10-6			
Insertion bridge (2-10P)	EB2-6 / EB3-6 / EB10-6			
End cover	D-PC1.5			
Separating disk	TS-KK3			
Partition plate	ATP-PC			
Marker	ZB6 / ZS6			
Marker support	/			
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	E-PC 1100A / E-WS N			

## Screw connection technology 2

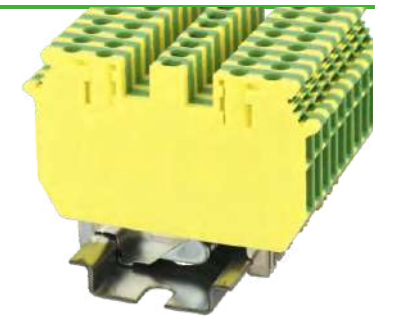
Feed-through, multi-conductor, multi-level, and ground terminal blocks


**PC2.5-TW**

**PC2.5-TW-PE**

Order NO.	11010000033				11010000042			
Width/Length/Height(NS35/7.5&NS35/15)	mm 5.2/50.1/47.25(54.75)				mm 5.2/50.1/47.25(54.75)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059	
Rated voltage	V 400		300		/		/	
Rated current	A 24		20		/		/	
Rated cross section	mm <sup>2</sup> /AWG 0.2-2.5		24-14		0.2-2.5		24-14	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.2-2.5	0.2-2.5	0.2-2.5	0.2-1.5	0.2-2.5	0.2-2.5	0.2-2.5	0.2-1.5
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> -	-	-	0.5-0.75	-	-	-	0.5-0.75
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)				-40(-40)~105(221)			
Stripping length	mm 9-10				9-10			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Yellow and green			
Screw/Rated torque	-/N.m(lb.in)(kgf.cm) M3/0.5(4.5)(5.1)				M3/0.5(4.5)(5.1)			
<b>Accessories</b>								
Ferrule	/				/			
Slotted screwdriver size (Blade thickness x Width)	mm 0.6x3.5				0.6x3.5			
Flexed bridge ( 2,3,4,5,6,8,10P )	FBR110-5				/			
Insertion bridge (2-10P)	EB2-5 / EB3-5 / EB10-5				EB2-5 / EB3-5 / EB10-5			
End cover	D-PC4-TW				/			
Separating disk	/				/			
Partition plate	/				/			
Marker	ZB5 / ZS5				ZB5 / ZS5			
Marker support	/				/			
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			

## Screw connection technology 2

Feed-through, multi-conductor, multi-level, and ground terminal blocks

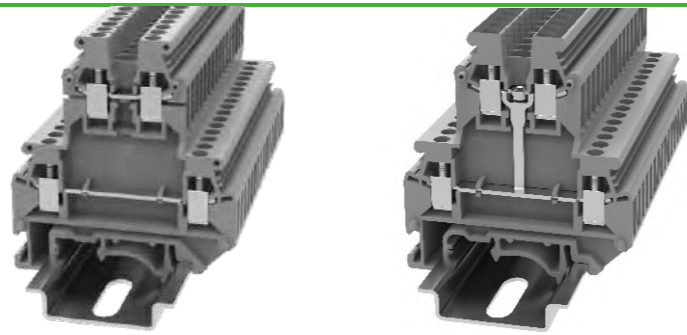

**PCDK2.5**

**PCDK2.5-PE**

Order NO.	11010000115				11010000116			
Width/Length/Height(NS35/7.5&NS35/15)	mm 5.2/63.5/47.25(54.75)				mm 5.2/63.5/47.25(54.75)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059	
Rated voltage	V 500		300		/		/	
Rated current	A 24		20		/		/	
Rated cross section	mm <sup>2</sup> /AWG 0.2-2.5		24-12		0.2-2.5		24-12	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.2-2.5	0.2-2.5	0.2-2.5	0.2-1.5	0.2-2.5	0.2-2.5	0.2-2.5	0.2-1.5
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> -	-	-	0.5-1	-	-	-	0.5-1
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)				-40(-40)~105(221)			
Stripping length	mm 7-8				7-8			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Yellow and green			
Screw/Rated torque	-/N.m(lb.in)(kgf.cm) M3/0.5(4.5)(5.1)				M3/0.5(4.5)(5.1)			
<b>Accessories</b>								
Ferrule	/				/			
Slotted screwdriver size (Blade thickness x Width)	mm 0.6x3.5				0.6x3.5			
Flexed bridge ( 2,3,4,5,6,8,10P )	FBR110-5				/			
Insertion bridge (2-10P)	EB2-5 / EB3-5 / EB10-5				EB2-5 / EB3-5 / EB10-5			
End cover	D-PCDK2.5				/			
Separating disk	TS-KK3				/			
Partition plate	/				/			
Marker	ZB5 / ZS5				ZB5 / ZS5			
Marker support	/				/			
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			



## Screw connection technology 2

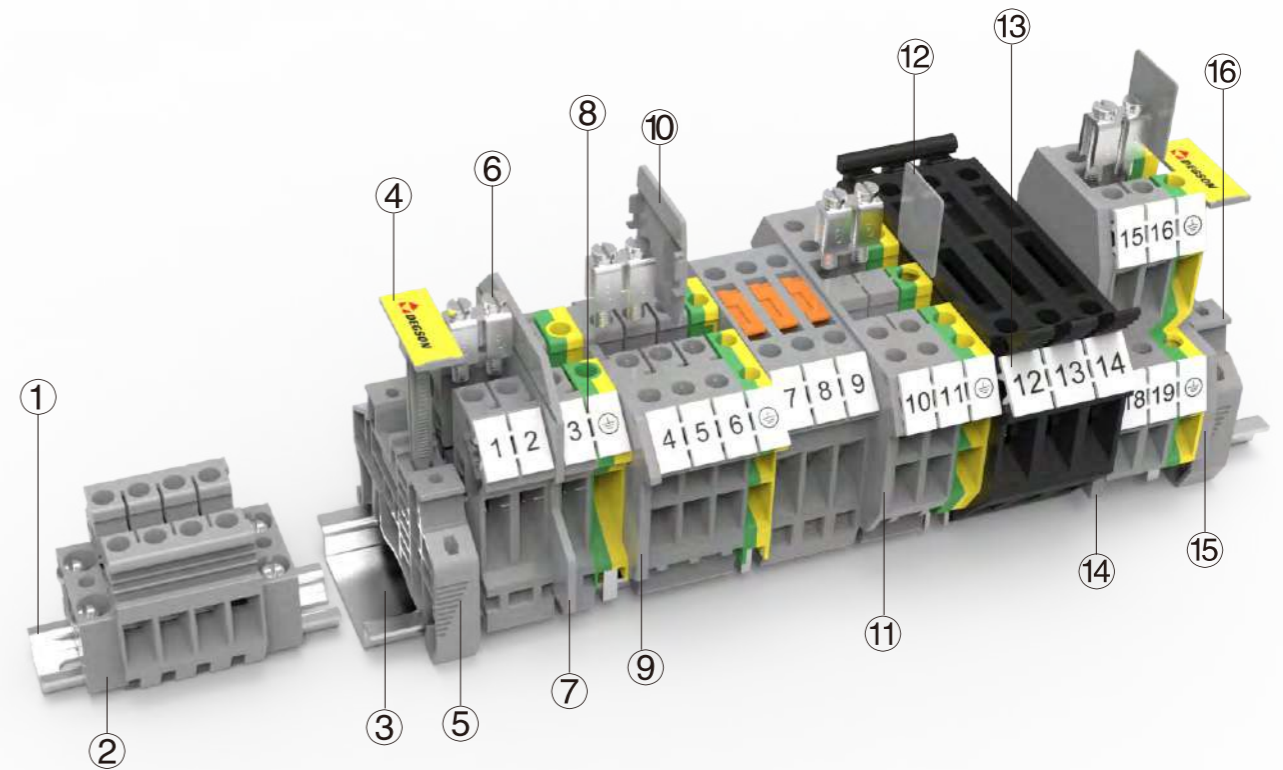
Feed-through, multi-conductor, multi-level, and ground terminal blocks


**PCKK2.5**

**PCKK2.5-PV**

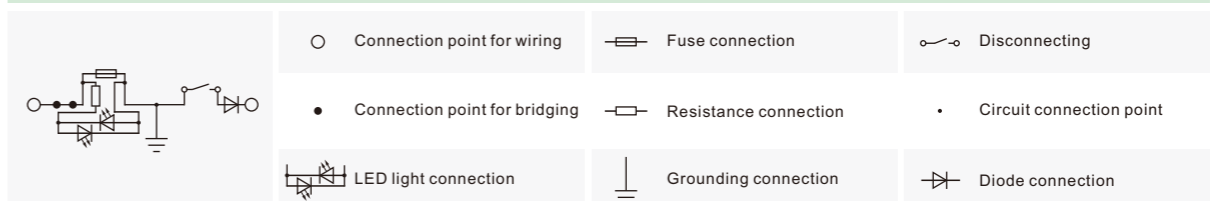
Order NO.	11010000123				11010000124				
Width/Length/Height(NS35/7.5&NS35/15)	mm 5.2/56/61.95(69.45)				mm 5.2/56/61.95(69.45)				
<b>Electrical Data</b>	IEC		UL		IEC		UL		
	IEC60947-7-1		UL1059		IEC60947-7-1		UL1059		
Rated voltage	V	500	300	500	300	500	300		
Rated current	A	24	20	24	20	24	20		
Rated cross section	mm <sup>2</sup> /AWG	0.2-2.5		24-12		0.2-2.5		24-12	
<b>Connection capacity</b>	Solid		Stranded		Ferrule (with and without plastic sleeve)				
	mm <sup>2</sup>		mm <sup>2</sup>		mm <sup>2</sup>		mm <sup>2</sup>		
1 conductor	mm <sup>2</sup>	0.2-2.5	0.2-2.5	0.2-2.5	0.2-1.5	0.2-2.5	0.2-2.5	0.2-1.5	
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup>	—	—	—	0.5-1	—	—	0.5-1	
<b>General Information</b>									
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0				
Operation temperatures	°C ( °F )	-40(-40)~105(221)				-40(-40)~105(221)			
Stripping length	mm	8-9				8-9			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Grey, Red, Blue (please contact sales for other color requirements)				
Screw/Rated torque	-/N.m(lb.in)(kgf.cm)	M3/0.5(4.5)(5.1)				M3/0.5(4.5)(5.1)			

<b>Accessories</b>		
Ferrule	/	
Slotted screwdriver size (Blade thickness x Width)	mm	0.6x3.5
Flexed bridge ( 2,3,4,5,6,8,10P )	FBR110-5	FBR110-5
Insertion bridge (2-10P)	EB2-5 / EB3-5 / EB10-5	EB2-5 / EB3-5 / EB10-5
End cover	D-PCKK2.5	D-PCKK2.5
Separating disk	TS-KK3	TS-KK3
Partition plate	/	/
Compensation plate	DP-PCKK2.5	DP-PCKK2.5
Marker	ZB5 / ZS5	ZB5 / ZS5
Marker support	/	/
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8	DLM2 / KLM3-20x8 / KLM3-44x8
End clamp	E-PC 1100A / E-WS N	E-PC 1100A / E-WS N



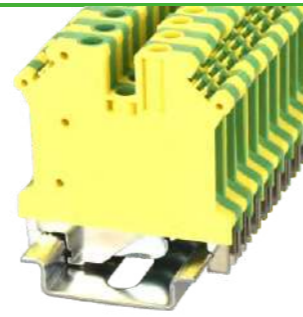
Description	No.	Remark
① DIN rail	NS15-0050-00A(H)	NS15 DIN rail
② End Clamp	E-PC-DIN15-01P-11-1000A(H)	Fixing products on NS15 DIN rail
③ DIN rail	NS35/7.5-0150-00A(H)	NS35 DIN rail
④ Marker carrier	KLM3-20x8-11-00A(H)	Suitable for E-PC-1100A(H) & E-WS N
⑤ End Clamp	E-WS N-01P-11-00A(H)	Fixing products on NS35 DIN rail
⑥ Fixed bridge	FBI2-6-00A(H)	02P bridge, use for PC4
⑦ Marker	ZB6-10P-19-00A(H)	Marker is used for the side of PC4 series
⑧ End cover	D-PC4-TW-01P-11-00A(H)	End cover is used for PC4-TW
⑨ Insertion bridge	EB3-6-11-00A(H)	03P bridge, use for PC4 series
⑩ Separating disk	TS-K-01P-11-00A(H)	The Separating disk is used for PC4, PCMB4
⑪ End cover	D-PCDK2.5-01P-11-00A(H)	End cover is used for PCKK4
⑫ Separating disk	TS-KK3-01P-11-00A(H)	The Separating disk is used for PCKK4, PCKK4
⑬ Marker	ZB8-10P-19-00A(H)	Marker is used for the side of PC4-HE
⑭ End cover	D-PCKK2.5-01P-11-00A(H)	End cover is used for PCKK4
⑮ Compensation plate	DP-PCKK2.5-01P-11-00A(H)	End cover is used for PCKK4 series
⑯ End Clamp	E-WS N-01P-11-00A(H)	Fixing products on NS35 DIN rail

### Circuit diagram



## Screw connection technology 2

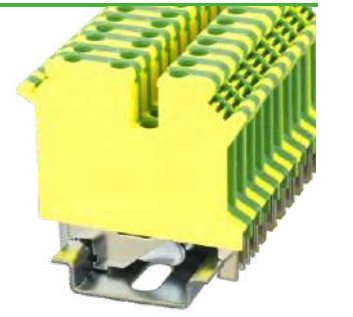
Feed-through, multi-conductor, multi-level, and ground terminal blocks


**PC4**
**PC4-PE**

Order NO.	11010000068				11010000077			
Width/Length/Height(NS35/7.5&NS35/15)	mm 6.2/42.5/47.25(54.75)				mm 6.2/42.5/47.25(54.75)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059	
Rated voltage	V 800		600		/		/	
Rated current	A 32		30		/		/	
Rated cross section	mm <sup>2</sup> /AWG 0.2-4		24-10		0.2-4		24-10	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.2-4	0.2-4	0.2-4	0.2-2.5	0.2-4	0.2-4	0.2-4	0.2-2.5
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> —	—	—	0.25-2.5	—	—	—	0.25-2.5
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)				-40(-40)~105(221)			
Stripping length	mm 8-9				8-9			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Yellow and green			
Screw/Rated torque	-N.m(lb.in)(kgf.cm) M3/0.5(4.5)(5.1)				M3/0.5(4.5)(5.1)			
<b>Accessories</b>								
Ferrule	/				/			
Slotted screwdriver size (Blade thickness x Width)	mm 0.6x3.5				0.6x3.5			
Flexed bridge ( 2,3,5,7,8,10P )	FBI10-6				/			
Insertion bridge (2-10P)	EB2-6 / EB3-6 / EB10-6				EB2-6 / EB3-6 / EB10-6			
End cover	D-PC2.5				/			
Separating disk	TS-K				/			
Partition plate	ATP-PC				/			
Marker	ZB6 / ZS6				ZB6 / ZS6			
Marker support	/				/			
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			

## Screw connection technology 2

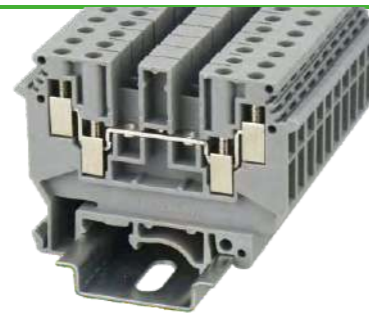
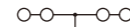
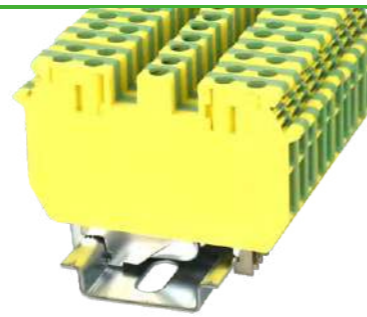
Feed-through, multi-conductor, multi-level, and ground terminal blocks


**PC4-TW**
**PC4-TW-PE**

Order NO.	11010000070				11010000078			
Width/Length/Height(NS35/7.5&NS35/15)	mm 6.2/50.1/47.25(54.75)				mm 6.2/50.1/47.25(54.75)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059	
Rated voltage	V 500		300		/		/	
Rated current	A 32		30		/		/	
Rated cross section	mm <sup>2</sup> /AWG 0.2-4		24-12		0.2-4		24-12	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.2-4	0.2-4	0.2-4	0.2-2.5	0.2-4	0.2-4	0.2-4	0.2-2.5
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> —	—	—	0.5-1.5	—	—	—	0.5-1.5
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)				-40(-40)~105(221)			
Stripping length	mm 8-10				8-10			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Yellow and green			
Screw/Rated torque	-N.m(lb.in)(kgf.cm) M3/0.5(4.5)(5.1)				M3/0.5(4.5)(5.1)			
<b>Accessories</b>								
Ferrule	/				/			
Slotted screwdriver size (Blade thickness x Width)	mm 0.6x3.5				0.6x3.5			
Flexed bridge ( 2,3,5,7,8,10P )	FBI10-6				/			
Insertion bridge (2-10P)	EB2-6 / EB3-6 / EB10-6				EB2-6 / EB3-6 / EB10-6			
End cover	D-PC4-TW				/			
Separating disk	TS-K				/			
Partition plate	/				/			
Marker	ZB6 / ZS6				ZB6 / ZS6			
Marker support	/				/			
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			

## Screw connection technology 2

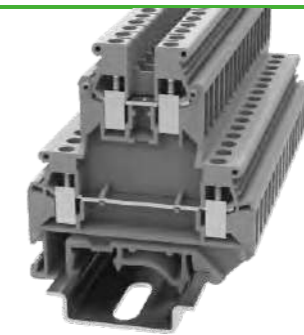
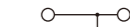
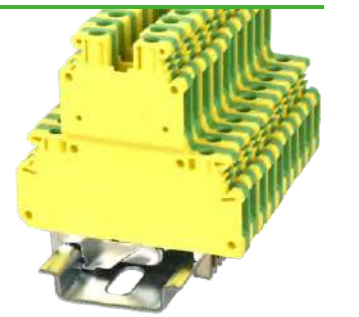
Feed-through, multi-conductor, multi-level, and ground terminal blocks


**PCDK4**

**PCDK4-PE**

Order NO.	11010000117				11010000120			
Width/Length/Height(NS35/7.5&NS35/15)	mm 6.2/63.5/47.25(54.75)				mm 6.2/63.5/47.25(54.75)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059	
Rated voltage	V 630		300		/		/	
Rated current	A 32		30		/		/	
Rated cross section	mm <sup>2</sup> /AWG 0.2-4		24-10		0.2-4		24-10	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.2-4	0.2-4	0.2-4	0.2-2.5	0.2-4	0.2-4	0.2-4	0.2-2.5
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> —	—	—	0.5-1	—	—	—	0.5-1
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)				-40(-40)~105(221)			
Stripping length	mm 7-8				7-8			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Yellow and green			
Screw/Rated torque	-N.m(lb.in)(kgf.cm) M3/0.5(4.5)(5.1)				M3/0.5(4.5)(5.1)			
<b>Accessories</b>								
Ferrule	/				/			
Slotted screwdriver size (Blade thickness x Width)	mm 0.6x3.5				0.6x3.5			
Flexed bridge ( 2,3,5,7,8,10P )	FBI10-6				/			
Insertion bridge (2-10P)	EB2-6 / EB3-6 / EB10-6				EB2-6 / EB3-6 / EB10-6			
End cover	D-PCDK2.5				/			
Separating disk	TS-KK3				/			
Partition plate	/				/			
Marker	ZB6 / ZS6				ZB6 / ZS6			
Marker support	/				/			
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			

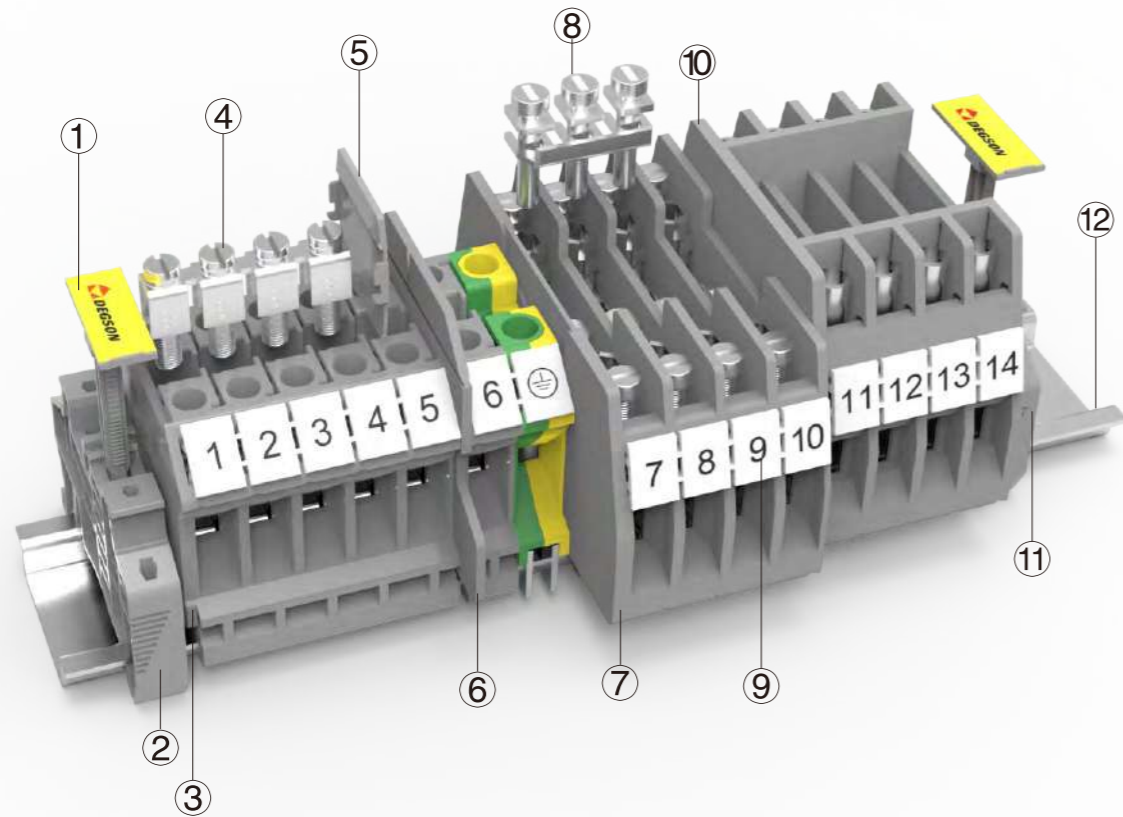
## Screw connection technology 2

Feed-through, multi-conductor, multi-level, and ground terminal blocks


**PCKK4**

**PCKK4-PE**

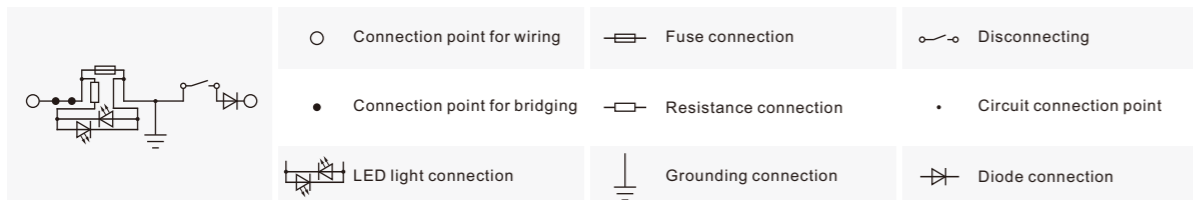
Order NO.	11010000135				11010000139			
Width/Length/Height(NS35/7.5&NS35/15)	mm 6.2/56/61.95(69.45)				mm 6.2/56/61.95(69.45)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059	
Rated voltage	V 500		300		/		/	
Rated current	A 32		30		/		/	
Rated cross section	mm <sup>2</sup> /AWG 0.2-4		26-10		0.2-4		26-10	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.2-4	0.2-4	0.2-4	0.2-2.5	0.2-4	0.2-4	0.2-4	0.2-2.5
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> —	—	—	0.5-1.5	—	—	—	0.5-1.5
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)				-40(-40)~105(221)			
Stripping length	mm 8				8			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Yellow and green			
Screw/Rated torque	-N.m(lb.in)(kgf.cm) M3/0.5(4.5)(5.1)				M3/0.5(4.5)(5.1)			
<b>Accessories</b>								
Ferrule	/				/			
Slotted screwdriver size (Blade thickness x Width)	mm 0.6x3.5				0.6x3.5			
Flexed bridge ( 2,3,5,7,8,10P )	FBI10-6				/			
Insertion bridge (2-10P)	EB2-6 / EB3-6 / EB10-6				EB2-5 / EB3-5 / EB10-5			
End cover	D-PCKK2.5				/			
Separating disk	TS-KK3				/			
Partition plate	/				/			
Compensation plate	DP-PCKK2.5				DP-PCKK2.5			
Marker	ZB6 / ZS6				ZB6 / ZS6			
Marker support	/				/			
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	E-PC 1100A / E-WS N				E-WS / E-PC / E-MK / E-WS N			





Description	No.	Remark
① Marker carrier	KLM3-20x8-11-00A(H)	Suitable for E-PC-1100A(H) & E-WS N
② End Clamp	E-WS N-01P-11-00A(H)	Fixing products on NS35 DIN rail
③ End cover	D-PC2.5-01P-11-00A(H)	End cover is used for PC6
④ Fixed bridge	FB14-8-00A(H)	04P bridge, use for Pc6
⑤ Insertion bridge	ATP-PC-01P-11-00A(H)	03P bridge, use for Pc6
⑥ Separating disk	TS-K-01P-11-00A(H)	The Separating disk is used for PC6
⑦ End cover	D-PCTK6-01P-11-00A(H)	End cover is used for PCTK6
⑧ Fixed bridge	FB3-RTK/S-00A(H)	03P bridge, use for PCTK6
⑨ Marker	ZB8-10P-19-00A(H)	Marker is used for the side of PC6 series
⑩ End cover	D-PCTK6-BEN-01P-11-00A(H)	End cover is used for PCTK6-BEN
⑪ End Clamp	E-WS N-01P-11-00A(H)	Fixing products on NS35 DIN rail
⑫ DIN rail	NS35/7.5-0150-00A(H)	NS35 DIN rail

Circuit diagram



Screw connection technology 2

Feed-through and ground terminal blocks



PC6

UL US CE ENE RoHS REACH



PC6-PE

UL US CE ENE RoHS REACH

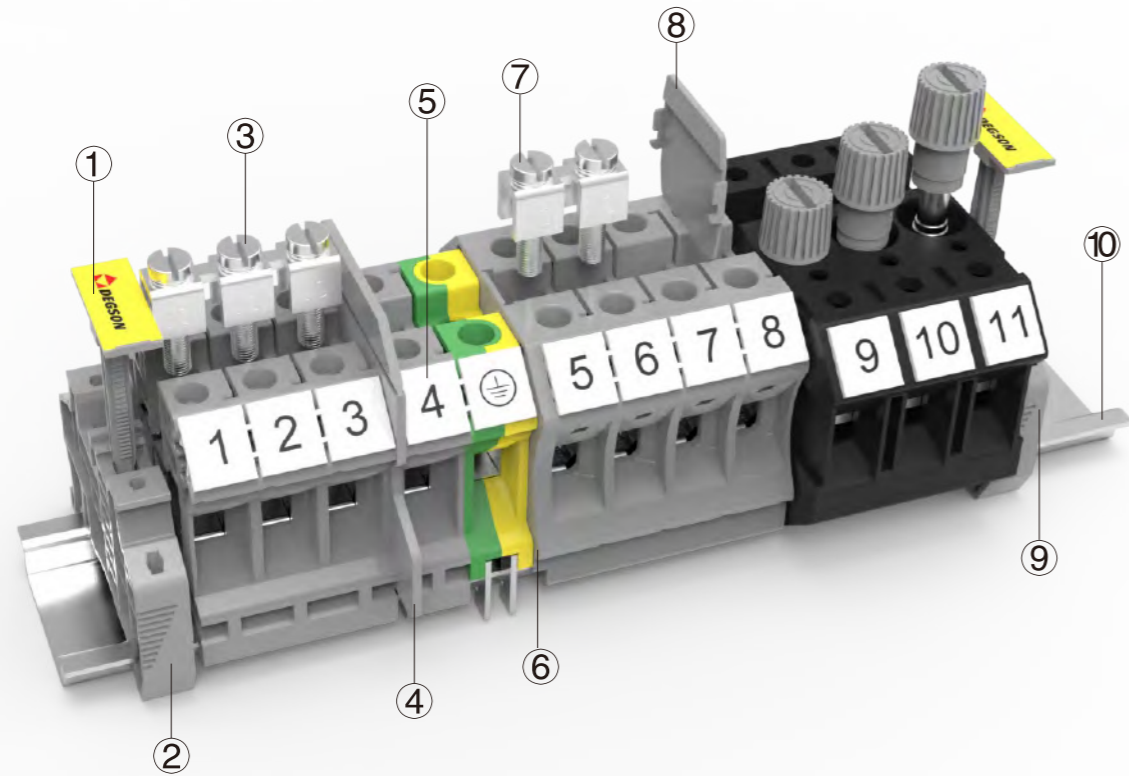
Order NO.	1101000092			1101000097					
Width/Length/Height(NS35/7.5&NS35/15)	mm	8.2/42.5/47.25(54.75)			8.2/42.5/47.25(54.75)				
Electrical Data		IEC IEC60947-7-1	UL UL1059	IEC IEC60947-7-2	UL UL1059				
	Rated voltage	V	800	600	/	/			
Rated current	A	41	50	/	/				
Rated cross section	mm <sup>2</sup> / AWG	0.2-6		24-8					
Connection capacity		Solid	Stranded	Ferrule (with and without plastic sleeve)	Solid	Stranded	Ferrule (with and without plastic sleeve)		
	1 conductor	mm <sup>2</sup>	0.2-6	0.2-6	0.2-6	0.2-2.5	0.2-6	0.2-6	0.2-2.5
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup>	—	—	—	0.5-4	—	—	—	0.5-4

General Information

Insulation material/Flammability rating (according to UL 94)		PA/V0	PA/V0
Operation temperatures	°C ( °F )	-40(-40)~105(221)	
Stripping length	mm	8-9	
Color		Grey, Red, Blue (please contact sales for other color requirements)	
Screw/Rated torque	-/N.m(lb.in)(kgf.cm)	M3/0.5(4.5)(5.1)	

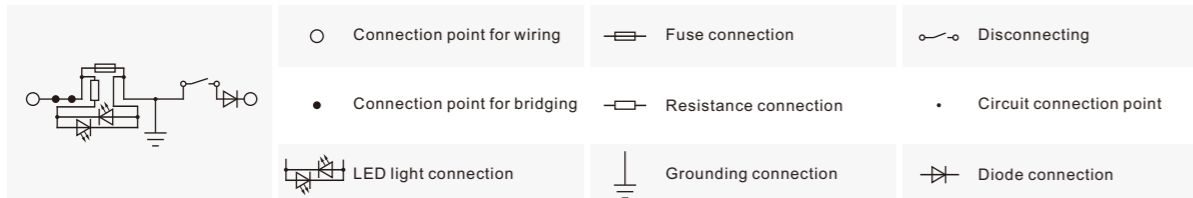
Accessories

Ferrule		/	/
Slotted screwdriver size (Blade thickness x Width)	mm	1x4	
Flexed bridge ( 2,3,4,5,6,8,10P )		FB10-8	/
Insertion bridge (2-10P)		EB2-8 / EB3-8 / EB10-8	EB2-8 / EB3-8 / EB10-8
End cover		D-PC2.5	/
Separating disk		TS-K	/
Partition plate		ATP-PC	/
Marker		ZB8 / ZS8	ZB8 / ZS8
Marker support		/	/
Terminal strip marker support		DLM2 / KLM3-20x8 / KLM3-44x8	DLM2 / KLM3-20x8 / KLM3-44x8
End clamp		E-PC 1100A / E-WS N	E-PC 1100A / E-WS N



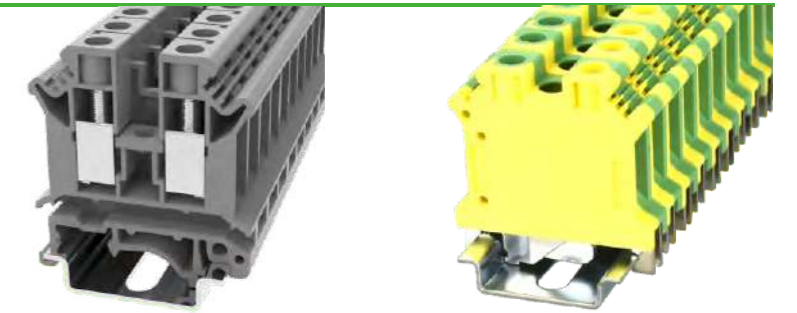
Description	No.	Remark
① Marker carrier	KLM3-20x8-11-00A(H)	Suitable for E-PC-1100A(H) & E-WS N
② End Clamp	E-WS N-01P-11-00A(H)	Fixing products on NS35 DIN rail
③ Fixed bridge	FBI3-10-00A(H)	03P bridge, use for PC10
④ Partition plate	ATP-PC-01P-11-00A(H)	End cover is used for PC10
⑤ Marker	ZB10-10P-19-00A(H)	Marker is used for the side of Pc10 series
⑥ End cover	D-PC10-01P-11-105A(H)	End cover is used for PC10-105A(H)
⑦ Fixed bridge	FBI2-10-00A(H)	02P bridge, use for PC10-105A(H)
⑧ Separating disk	TS-K-01P-11-00A(H)	The Separating disk is used for PC10 series
⑨ End Clamp	E-WS N-01P-11-00A(H)	Fixing products on NS35 DIN rail
⑩ DIN rail	NS35/7.5-0150-00A(H)	NS35 DIN rail

Circuit diagram



Screw connection technology 2

Feed-through and ground terminal blocks



PC10

UL US CE ENE RoHS REACH



PC10-PE

UL US CE ENE RoHS REACH

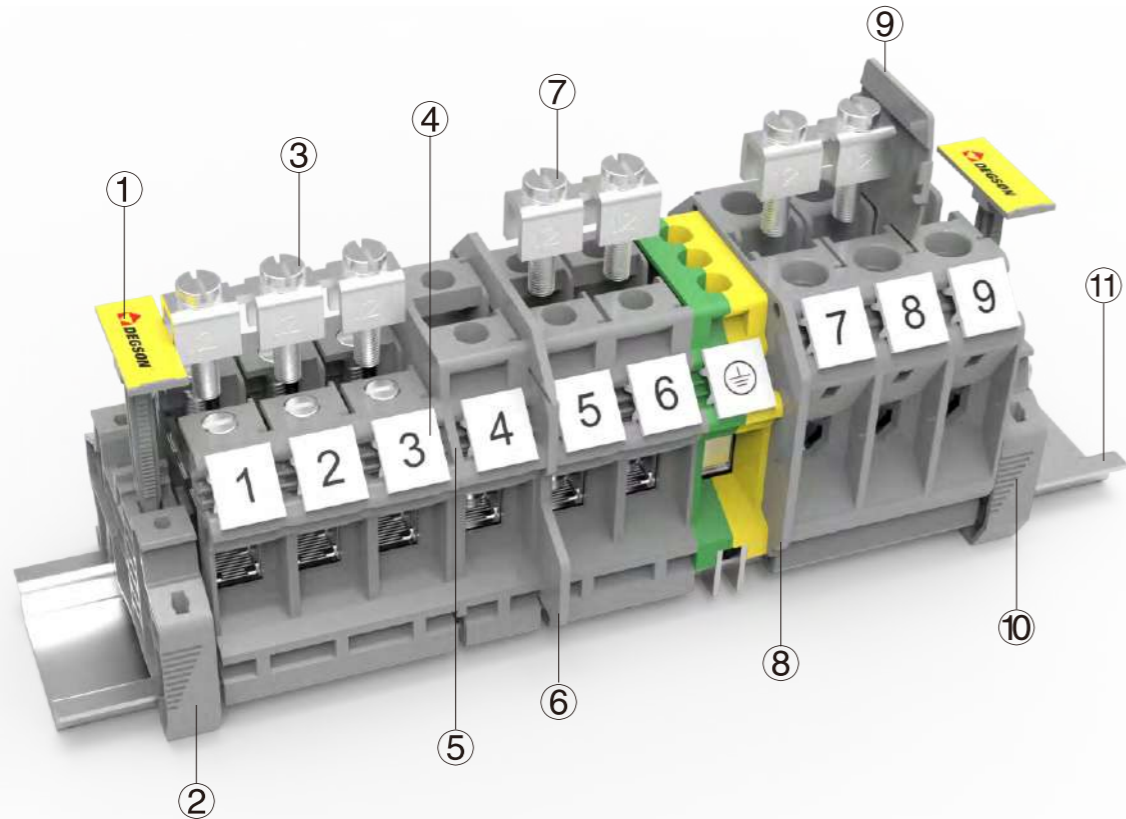
Order NO.	11010000001			11010000006		
Width/Length/Height(NS35/7.5&NS35/15) mm	10.2/42.5/47.25(54.75)			10.2/42.5/47.25(54.75)		
<b>Electrical Data</b>	IEC IEC60947-7-1	UL UL1059		IEC IEC60947-7-2	UL UL1059	
Rated voltage V	800	600		/	/	
Rated current A	57	65		/	/	
Rated cross section mm <sup>2</sup> /AWG	0.2-10	20-6		0.2-10	20-6	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)	Solid	Stranded	Ferrule (with and without plastic sleeve)
1 conductor mm <sup>2</sup>	0.2-10	0.2-10	0.2-10 0.2-10	0.2-10	0.2-10	0.2-10 0.2-10
2 flexible conductors with a TWIN ferrule mm <sup>2</sup>	—	—	— 0.5-6	—	—	— 0.5-6

General Information

Insulation material/Flammability rating (according to UL 94)	PA/V0	PA/V0
Operation temperatures °C ( °F )	-40(-40)~105(221)	-40(-40)~105(221)
Stripping length mm	9-10	9-10
Color	Grey, Red, Blue (please contact sales for other color requirements)	Yellow and green
Screw/Rated torque -/N.m(lb.in)(kgf.cm)	M4/1.2(10.5)(12.24)	M4/1.2(10.5)(12.24)

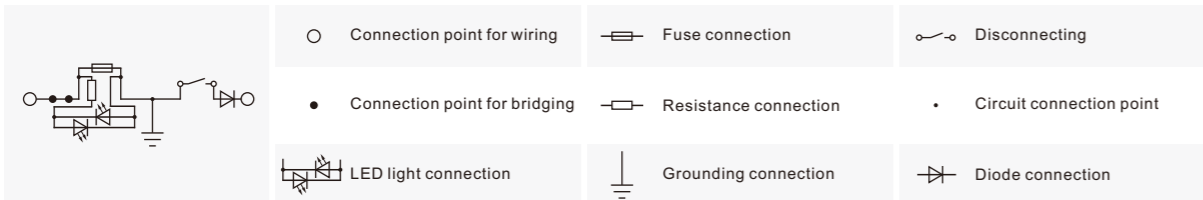
Accessories

Ferrule	/	/
Slotted screwdriver size (Blade thickness x Width) mm	1x4	1x4
Flexed bridge ( 2,3,4,5,10P )	FBI10-10	/
Insertion bridge (2-10P)	EB2-10 / EB3-10 / EB10-10	EB2-10 / EB3-10 / EB10-10
End cover	D-PC2.5	/
Separating disk	TS-K	/
Partition plate	ATP-PC	/
Marker	ZB10 / ZS10	ZB10 / ZS10
Marker support	/	/
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8	DLM2 / KLM3-20x8 / KLM3-44x8
End clamp	E-PC 1100A / E-WS N	E-PC 1100A / E-WS N



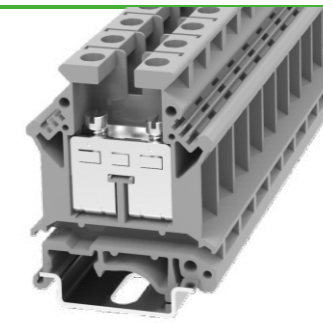
Description	No.	Remark
① Marker carrier	KLM3-20x8-11-00A(H)	Suitable for E-PC-1100A(H) & E-WS N
② End Clamp	E-WS N-01P-11-00A(H)	Fixing products on NS35 DIN rail
③ End cover	D-PCIK16-01P-11-00A(H)	End cover is used for PCIK16
④ Fixed bridge	FBI3-12-00A(H)	03P bridge, use for PCIK16
⑤ Marker	ZT12-10P-19-00A(H)	Marker is used for the side of PCIK16
⑥ End cover	D-PC16-01P-11-00A(H)	End cover is used for PC16
⑦ Partition plate	ATP-PC-01P-11-00A(H)	End cover is used for PC16
⑧ Fixed bridge	FBI2-12-00A(H)	02P bridge, use for PC16
⑨ End cover	D-PC16-01P-11-105A(H)	End cover is used for PC16-105A(H)
⑩ Separating disk	TS-K-01P-11-00A(H)	The Separating disk is used for PC16 series
⑪ End Clamp	E-WS N-01P-11-00A(H)	Fixing products on NS35 DIN rail
⑫ DIN rail	NS35/7.5-0150-00A(H)	NS35 DIN rail

Circuit diagram



Screw connection technology 2

Feed-through and ground terminal blocks



PC16

PCIK16

UL US CE ENE RoHS REACH

CE ENE RoHS REACH

Order NO.	1101000020			11010000121		
Width/Length/Height(NS35/7.5&NS35/15) mm	12.2/42.5/54.05(61.55)			12.2/48.5/55.3(62.8)		
<b>Electrical Data</b>	IEC IEC60947-7-1	UL UL1059		IEC IEC60947-7-1	UL UL1059	
Rated voltage V	800	600		800	600	
Rated current A	76	85		76	85	
Rated cross section mm <sup>2</sup> /AWG	0.2-16	12-4		0.2-16	12-4	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)	Solid	Stranded	Ferrule (with and without plastic sleeve)
1 conductor mm <sup>2</sup>	0.2-16	0.2-16	0.2-16	0.2-16	0.2-16	0.2-16
2 flexible conductors with a TWIN ferrule mm <sup>2</sup>	—	—	—	0.5-6	—	—

General Information

Insulation material/Flammability rating (according to UL 94)	PA/V0	PA/V0
Operation temperatures °C ( °F )	-40(-40)~105(221)	-40(-40)~105(221)
Stripping length mm	11-12	11-12
Color	Grey, Red, Blue (please contact sales for other color requirements)	Grey, Red, Blue (please contact sales for other color requirements)
Screw/Rated torque -/N.m(lb.in)(kgf.cm)	M4/1.2(10.5)(12.24)	M5/3(27)(30)

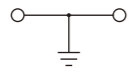
Accessories

Ferrule	/	/
Slotted screwdriver size (Blade thickness x Width) mm	1x4	1x4
Flexed bridge ( 2,10P )	FBI10-12	FBI10-12
Insertion bridge (2-10P)	EB10-12	EB10-12
End cover	D-PC16	D-PC16-105A(H)
Separating disk	TS-K	/
Partition plate	ATP-PC	/
Marker	ZT12 / ZS12	ZT12 / ZS12
Marker support	/	/
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8	DLM2 / KLM3-20x8 / KLM3-44x8
End clamp	E-PC 1100A / E-WS N	E-PC 1100A / E-WS N



## Screw connection technology 2

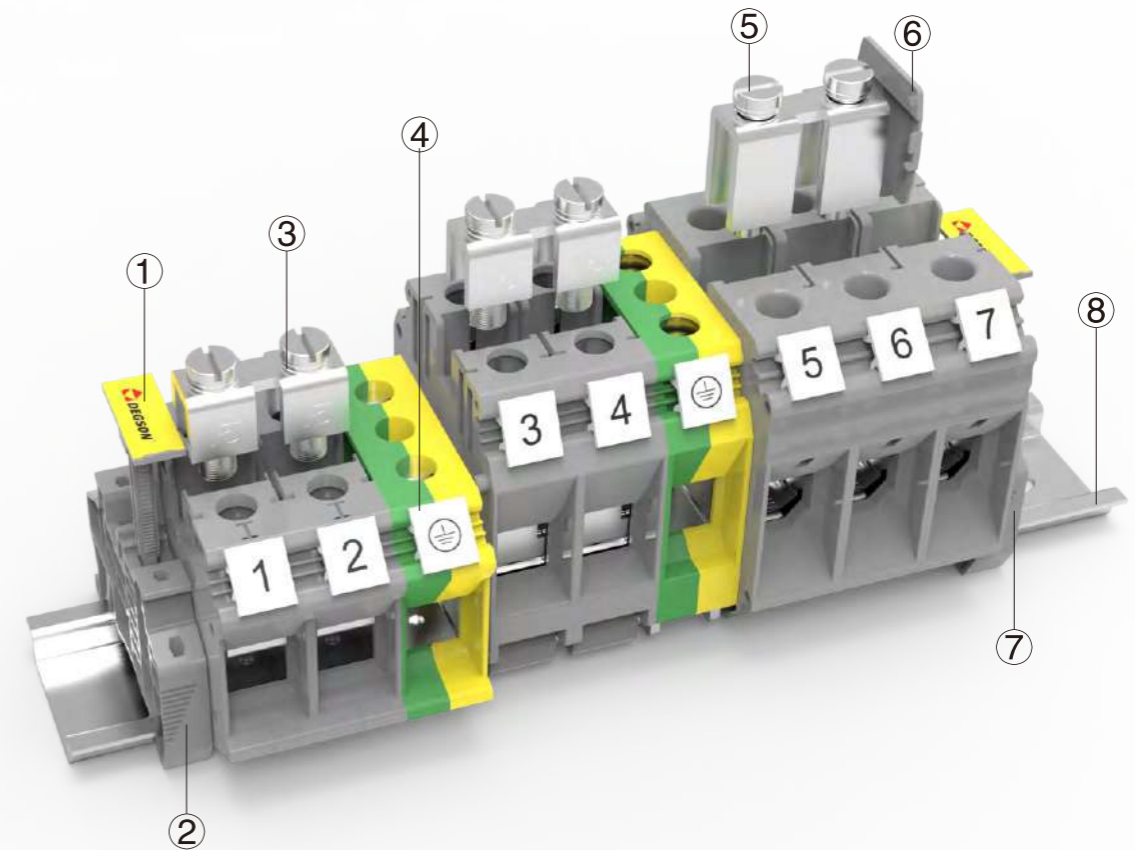
Feed-through and ground terminal blocks



**PC16-PE**

UL US CE ENEC RoHS REACH

<b>Order NO.</b>		11010000028			
Width/Length/Height(NS35/7.5&NS35/15) mm		12.2/42.5/54.05(61.55)			
<b>Electrical Data</b>		IEC IEC60947-7-2		UL UL1059	
Rated voltage	V	/		/	
Rated current	A	/		/	
Rated cross section	mm <sup>2</sup> /AWG	0.2-16		12-4	
<b>Connection capacity</b>		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup>	0.2-16	0.2-16	0.2-16	0.2-16
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup>	—	—	—	0.5-6
<b>General Information</b>					
Insulation material/Flammability rating (according to UL 94)		PA/V0			
Operation temperatures	°C ( °F )	-40(-40)~105(221)			
Stripping length	mm	10-11			
Color		Yellow and green			
Screw/Rated torque	-/N.m(lb.in)(kgf.cm)	M4/1.2(10.5)(12.24)			
<b>Accessories</b>					
Ferrule		/			
Slotted screwdriver size (Blade thickness x Width)	mm	1x4			
Fixed bridge		/			
Insertion bridge (2-10P)		EB10-12			
End cover		/			
Separating disk		/			
Partition plate		/			
Marker		ZT12 / ZS12			
Marker support		/			
Terminal strip marker support		DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp		E-PC 1100A / E-WS N			



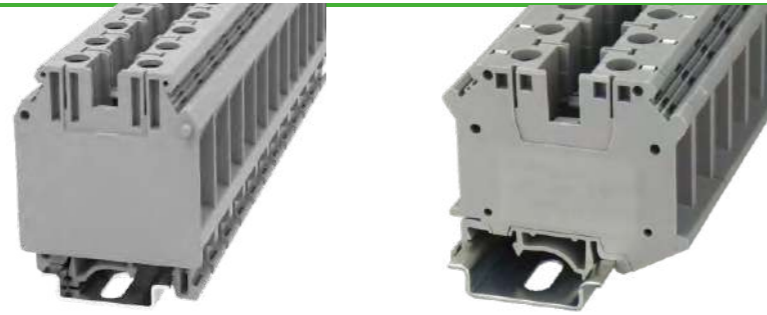
Description	No.	Remark
① Marker carrier	KLM3-20x8-11-00A(H)	Suitable for E-PC-1100A(H) & E-WS N
② End Clamp	E-WS N-01P-11-00A(H)	Fixing products on NS35 DIN rail
③ Fixed bridge	FBI3-15-00A(H)	03P bridge, use for PCIK35
④ Marker	ZT12-10P-19-00A(H)	Marker is used for the side of PCIK35
⑤ Fixed bridge	FBI2-16-00A(H)	02P bridge, use for PC35-105A(H)
⑥ Separating disk	TS-K-01P-11-00A(H)	The Separating disk is used for PC35 series
⑦ End Clamp	E-WS N-01P-11-00A(H)	Fixing products on NS35 DIN rail
⑧ DIN rail	NS35/7.5-0150-00A(H)	NS35 DIN rail

### Circuit diagram

	○ Connection point for wiring		Fuse connection		Disconnecting
	● Connection point for bridging		Resistance connection		Circuit connection point
	LED light connection		Grounding connection		Diode connection

## Screw connection technology 2

Feed-through and ground terminal blocks


**PC35**

**PCIK35**

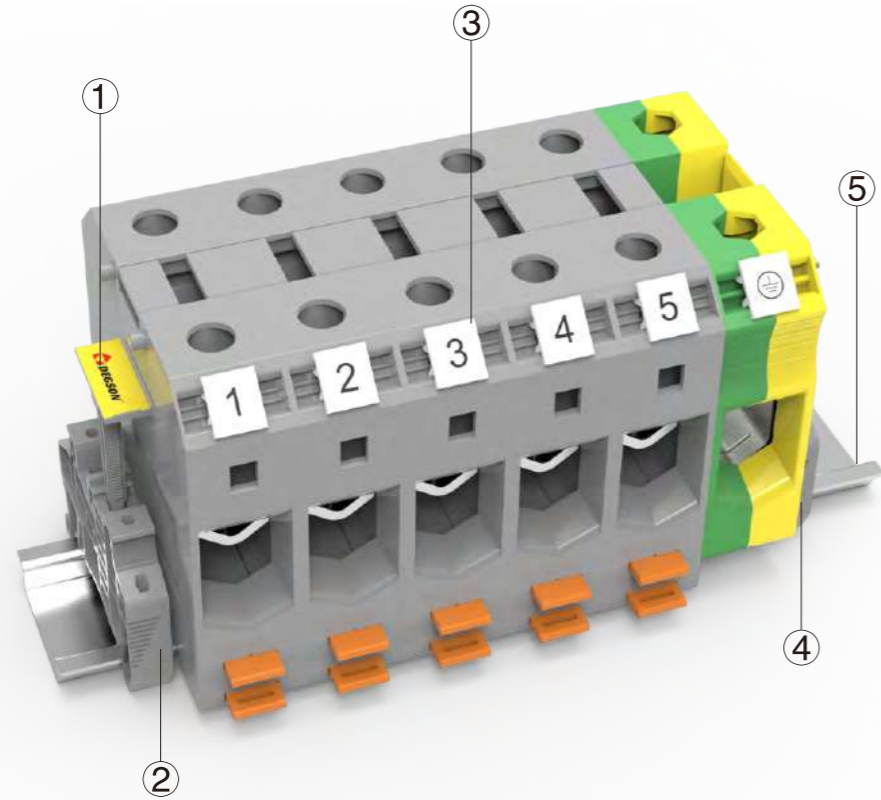
Order NO.	1101000059				1101000122			
Width/Length/Height(NS35/7.5&NS35/15)	mm 15.2/50/63.25(70.75)				mm 15.2/55/51.25(58.75)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-1		UL UL1059	
Rated voltage	V 1000		600		800		600	
Rated current	A 125		150		125		85	
Rated cross section	mm <sup>2</sup> /AWG 0.2-35		18- 1/0		0.2-35		18- 1/0	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.2-35	0.2-35	0.2-35	0.2-35	0.2-35	0.2-35	0.2-35	0.2-35
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> —	—	—	0.75-10	—	—	—	6.0-10
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)				-40(-40)~105(221)			
Stripping length	mm 15-16				15-16			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Grey, Red, Blue (please contact sales for other color requirements)			
Screw/Rated torque	-/N.m(lb.in)(kgf.cm) M6/2.5(22.2)(25)				M6/2.5(22.2)(25)			
<b>Accessories</b>								
Ferrule	/				/			
Slotted screwdriver size (Blade thickness x Width)	mm 1x6.5				1x6.5			
Flexed bridge (2,3,10P)	FBI12-15 FBI13-15				FBI12-15 FBI13-15			
Insertion bridge (2-10P)	EB10-15				EB10-15			
End cover	/				/			
Separating disk	TS-K				TS-K			
Partition plate	/				/			
Marker	ZT12 / ZS12				ZT12 / ZS12			
Marker support	/				/			
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			

## Screw connection technology 2

Feed-through and ground terminal blocks

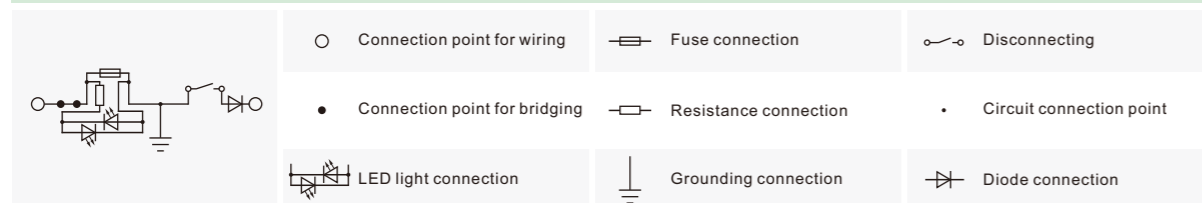

**PC35-PE**

Order NO.	1101000067			
Width/Length/Height(NS35/7.5&NS35/15)	mm 15.2/50/63.25(70.75)			
<b>Electrical Data</b>	IEC IEC60947-7-2		UL UL1059	
Rated voltage	V /		/	
Rated current	A /		/	
Rated cross section	mm <sup>2</sup> /AWG 0.2-35		1/0-18	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.2-35	0.2-35	0.2-35	0.2-35
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> —	—	—	0.75-10
<b>General Information</b>				
Insulation material/Flammability rating (according to UL 94)	PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)			
Stripping length	mm 18-19			
Color	Yellow and green			
Screw/Rated torque	-/N.m(lb.in)(kgf.cm) M6/2.5(22.2)(25)			
<b>Accessories</b>				
Ferrule	/			
Slotted screwdriver size (Blade thickness x Width)	mm 1x6.5			
Flexed bridge	/			
Insertion bridge (2-10P)	EB10-15			
End cover	/			
Separating disk	/			
Partition plate	/			
Marker	ZT12 / ZS12			
Marker support	/			
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	E-PC 1100A / E-WS N			



Description	No.	Remark
① Marker carrier	KLM3-20x8-11-00A(H)	Suitable for E-PC-1100A(H) & E-WS N
② End Clamp	E-WS N-01P-11-00A(H)	Fixing products on NS35 DIN rail
③ Marker	ZT12-10P-19-00A(H)	Marker is used for the side of PC50 series
④ End Clamp	E-WS N-01P-11-00A(H)	Fixing products on NS35 DIN rail
⑤ DIN rail	NS35/7.5-0150-00A(H)	NS35 DIN rail

Circuit diagram



Screw connection technology 2

Feed-through and ground terminal blocks



PC50



PC50-PE

UL CE ENE RoHS REACH

CE ENE RoHS REACH

Order NO.	11010000085	11010000090
Width/Length/Height(NS35/7.5&NS35/15) mm	20/70.45/75.94(83.44)	20/70.45/75.94(83.44)
<b>Electrical Data</b>	IEC IEC60947-7-1	UL UL1059
Rated voltage V	1000	600
Rated current A	150	125
Rated cross section mm <sup>2</sup> /AWG	16-50	6-1/0
<b>Connection capacity</b>	Solid Stranded Ferrule (with and without plastic sleeve)	Solid Stranded Ferrule (with and without plastic sleeve)
1 conductor mm <sup>2</sup>	16-50 16-50 16-50 16-50	16-50 16-50 16-50 16-50
2 flexible conductors with a TWIN ferrule mm <sup>2</sup>	- - - 10-16	- - - 10-16
<b>General Information</b>		
Insulation material/Flammability rating (according to UL 94)	PA/V0	PA/V0
Operation temperatures °C ( °F )	-40(-40)~105(221)	-40(-40)~105(221)
Stripping length mm	22-23	22-23
Color	Grey, Red, Blue (please contact sales for other color requirements)	Yellow and green
Screw/Rated torque -/N.m(lb.in)(kgf.cm)	M6/2.5(22.2)(25)	M6/2.5(22.2)(25)
<b>Accessories</b>		
Ferrule	/	/
Slotted screwdriver size (Blade thickness x Width) mm	1.2x8	1.2x8
Flexed bridge ( 2,3P )	FB12-20 / FB13-20	/
Insertion bridge (2-10P)	/	/
End cover	/	/
Separating disk	/	/
Partition plate	/	/
Marker	ZT12 / ZS12	ZT12 / ZS12
Marker support	/	/
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8	DLM2 / KLM3-20x8 / KLM3-44x8
End clamp	E-PC 1100A / E-WS N	E-PC 1100A / E-WS N



## Screw connection technology 2

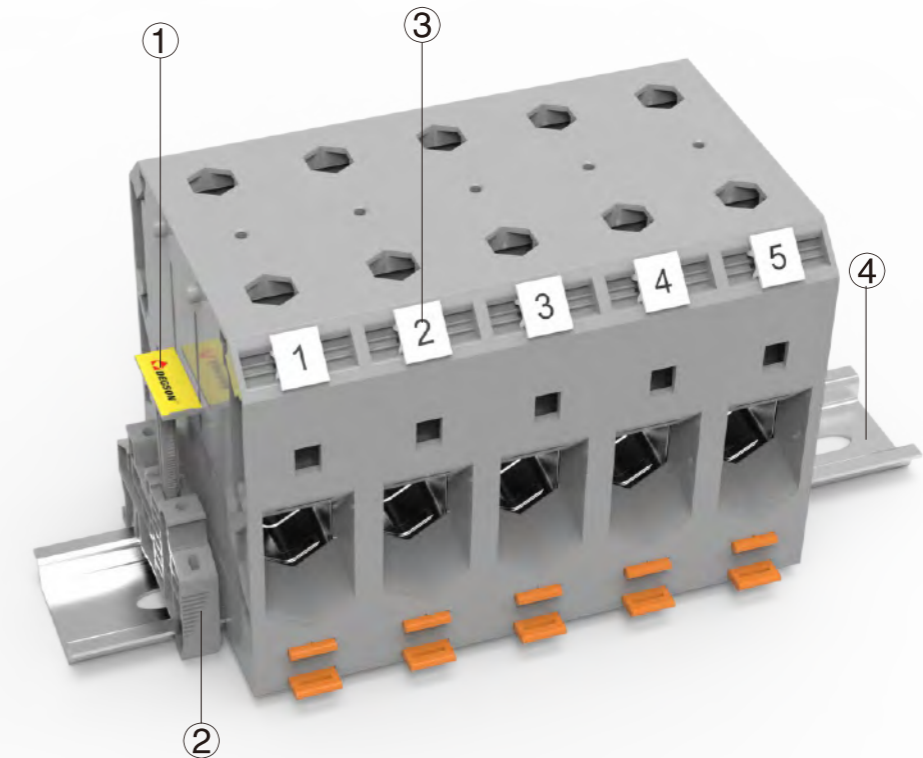
Feed-through and ground terminal blocks



  
**PC50-01A(H)**  
 (Hex socket screws )  
 CE ENEC RoHS REACH

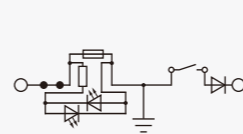
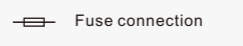
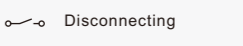


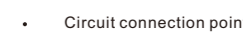
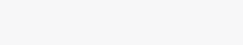
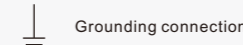
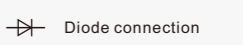
  
**PC50-PE-01A(H)**  
 (Hex socket screws )  
 CE ENEC RoHS REACH

Order NO.	11010002999	11010000193
Width/Length/Height(NS35/7.5&NS35/15) mm	20/70.45/75.94(83.44)	20/70.45/75.94(83.44)
<b>Electrical Data</b>	IEC IEC60947-7-1	UL UL1059
Rated voltage V	1000	600
Rated current A	150	125
Rated cross section mm <sup>2</sup> /AWG	16-50	6-1/0
<b>Connection capacity</b>	Solid Stranded Ferrule (with and without plastic sleeve)	Solid Stranded Ferrule (with and without plastic sleeve)
1 conductor mm <sup>2</sup>	16-50 16-50 16-50 16-50	16-50 16-50 16-50 16-50
2 flexible conductors with a TWIN ferrule mm <sup>2</sup>	— — — 10-16	— — — 10-16
<b>General Information</b>		
Insulation material/Flammability rating (according to UL 94)	PA/V0	PA/V0
Operation temperatures °C ( °F )	-40(-40)~105(221)	-40(-40)~105(221)
Stripping length mm	22-23	22-23
Color	Grey, Red, Blue (please contact sales for other color requirements)	Yellow and green
Screw/Rated torque -/N.m(lb.in)(kgf.cm)	M6/2.5(22.2)(25)	M6/2.5(22.2)(25)
<b>Accessories</b>		
Ferrule	/	/
Slotted screwdriver size (Blade thickness x Width) mm	1.2x8	1.2x8
Screw	Hex socket screws	Hex socket screws
Fixed bridge	FBI2-20 / FBI3-20	/
Insertion bridge (2-10P)	/	/
End cover	/	/
Separating disk	/	/
Partition plate	/	/
Marker	ZT12 / ZS12	ZT12 / ZS12
Marker support	/	/
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8	DLM2 / KLM3-20x8 / KLM3-44x8
End clamp	E-PC 1100A / E-WS N	E-WS / E-PC / E-MK / E-WS N



Description	No.	Remark
① Marker carrier	KLM3-20x8-11-00A(H)	Suitable for E-PC-1100A(H) & E-WS N
② End Clamp	E-WS N-01P-11-00A(H)	Fixing products on NS35 DIN rail
③ Marker	ZT12-10P-19-00A(H)	Marker is used for the side of PC95
④ DIN rail	NS35/7.5-0150-00A(H)	NS35 DIN rail

### Circuit diagram

	○ Connection point for wiring		Fuse connection		Disconnecting
	● Connection point for bridging		Resistance connection		Circuit connection point
	LED light connection		Grounding connection		Diode connection

## Screw connection technology 2

Feed-through terminal blocks



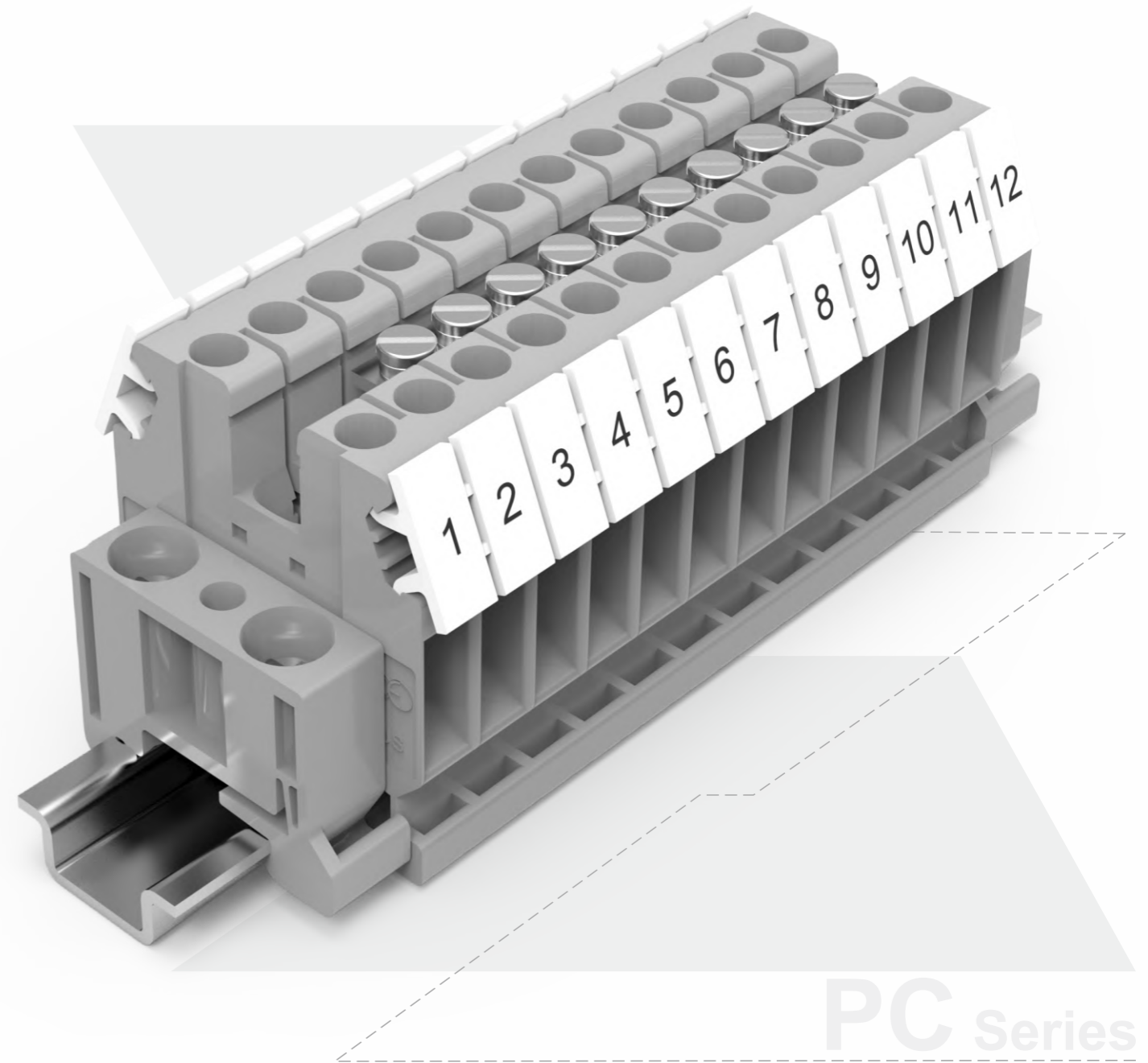
PC95

CE ENEC RoHS REACH

<b>Order NO.</b>	11010000112			
Width/Length/Height(NS35/7.5&NS35/15) mm	25/83/90.04(97.54)			
<b>Electrical Data</b>	IEC IEC60947-7-1	UL UL1059		
Rated voltage V	1000	600		
Rated current A	232	230		
Rated cross section mm <sup>2</sup> /AWG	25-95	2-4/0		
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor mm <sup>2</sup>	25-95	25-95	25-95	25-50
2 flexible conductors with a TWIN ferrule mm <sup>2</sup>	—	—	—	25-35
<b>General Information</b>				
Insulation material/Flammability rating (according to UL 94)	PA/V0			
Operation temperatures °C ( °F )	-40(-40)~105(221)			
Stripping length mm	31-33			
Color	Grey, Red, Blue (please contact sales for other color requirements)			
Screw/Rated torque -/N.m(lb.in)(kgf.cm)	M8/25(221.5)(250)			
<b>Accessories</b>				
Ferrule	/			
Allen key	Hex socket 6			
Fixed bridge	/			
Insertion bridge (2-10P)	/			
End cover	/			
Separating disk	/			
Partition plate	/			
Marker	ZT12 / ZS12			
Marker support	/			
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	E-PC 1100A / E-WS N			

## PC Micro And Miniature Terminal Blocks

- PC Mini Feed-through terminal blocks, with screw connection technology, high-quality copper screw and cage ensure the stable & reliable connection
- Small volume, applied in small control boxes by mounted on NS15 DIN Rail
- The fixed bridge can realize the potential distribution of 2-10 positions; the cuttable side bridges can reach jumped connection
- Compatible with the marking system to clearly identify the working area



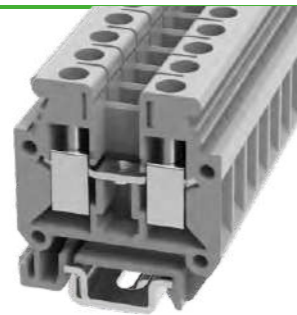
PC Series

PC Series

PC Series

## Screw connection technology 2

Micro and miniature terminal blocks



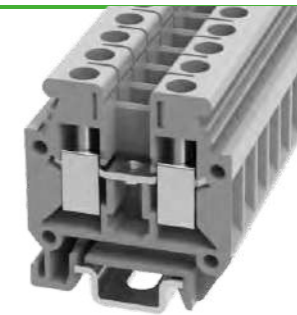
### PCMB2.5

UL US CE ENE RoHS REACH

<b>Order NO.</b>	11010000140			
<b>Width/Length/Height(NS15)</b>	mm	5.2/28/33.7		
<b>Electrical Data</b>		IEC IEC60947-7-1	UL UL1059	
<b>Rated voltage</b>	V	500	300	
<b>Rated current</b>	A	24	20	
<b>Rated cross section</b>	mm <sup>2</sup> /AWG	0.2-2.5	28-12	
<b>Connection capacity</b>		Solid	Stranded	Ferrule (with and without plastic sleeve)
<b>1 conductor</b>	mm <sup>2</sup>	0.2-2.5	0.2-2.5	0.2-2.5
<b>2 flexible conductors with a TWIN ferrule</b>	mm <sup>2</sup>	—	—	0.5-1
<b>General Information</b>				
<b>Insulation material/Flammability rating (according to UL 94)</b>		PA/V0		
<b>Operation temperatures</b>	°C ( °F )	-40(-40)~105(221)		
<b>Stripping length</b>	mm	7-8		
<b>Color</b>		Grey, Red, Blue (please contact sales for other color requirements)		
<b>Screw/Rated torque</b>	-/N.m(lb.in)(kgf.cm)	M3/0.5(4.5)(5.1)		
<b>Accessories</b>				
<b>Ferrule</b>		/		
<b>Slotted screwdriver size (Blade thickness x Width)</b>	mm	0.6x3.5		
<b>Fixed bridge ( 2,3,4,5,6,8,10P )</b>		FBI10-5		
<b>Insertion bridge (2-10P)</b>		EB2-5 / EB3-5 / EB10-5		
<b>End cover</b>		D-PCMB2.5		
<b>Separating disk</b>		TS-KK3		
<b>Partition plate</b>		/		
<b>Marker</b>		ZB5 / ZS5		
<b>Marker support</b>		/		
<b>Terminal strip marker support</b>		DLM2 / KLM3-20x8 / KLM3-44x8		
<b>End clamp</b>		E-PC 1100A / E-WS N		

## Screw connection technology 2

Micro and miniature terminal blocks



### PCMB4

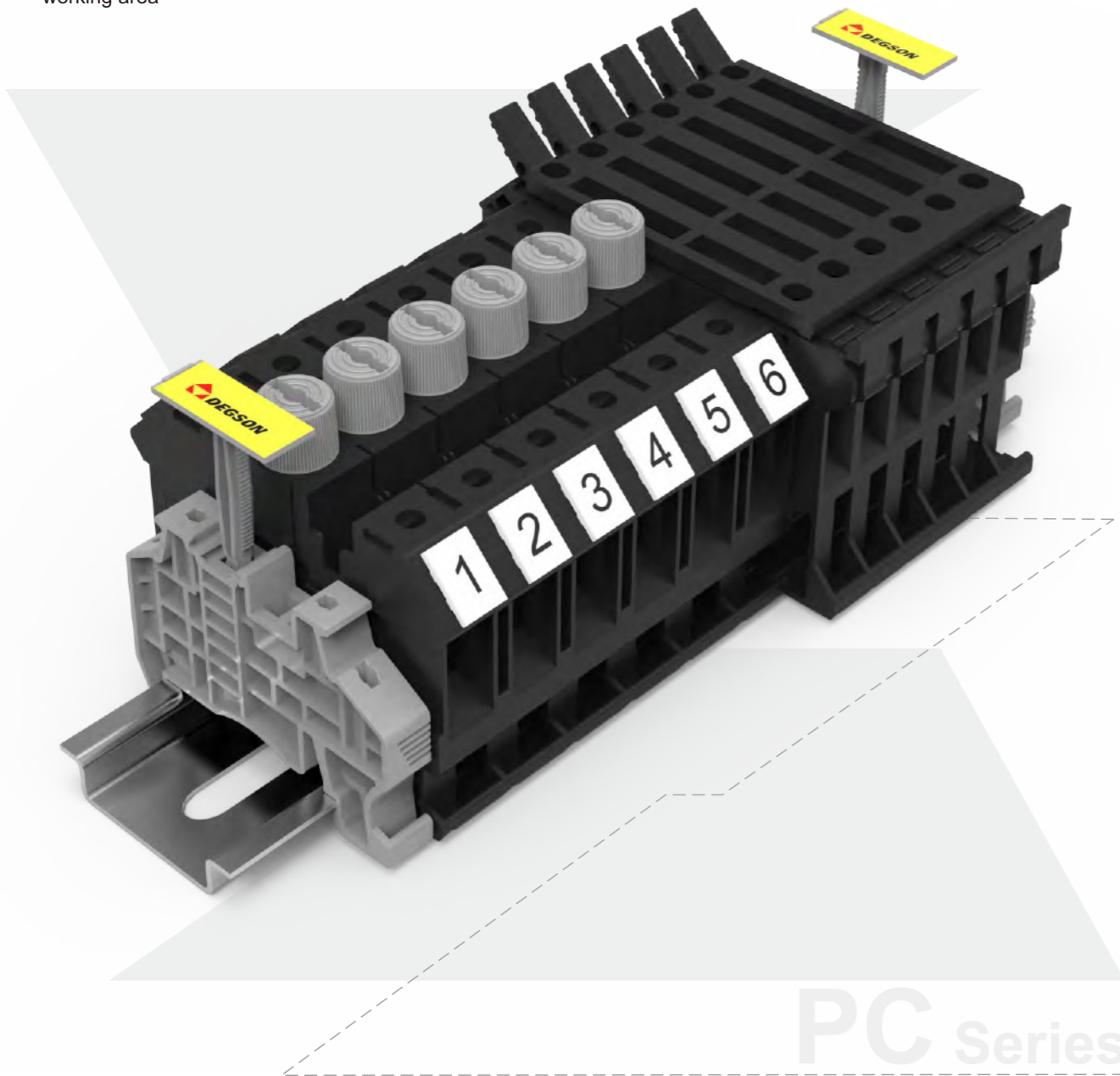
UL US CE ENE RoHS REACH

<b>Order NO.</b>	11010000143			
<b>Width/Length/Height(NS15)</b>	mm	6.2/28/33.7		
<b>Electrical Data</b>		IEC IEC60947-7-1	UL UL1059	
<b>Rated voltage</b>	V	500	300	
<b>Rated current</b>	A	32	30	
<b>Rated cross section</b>	mm <sup>2</sup> /AWG	0.2-4	26-10	
<b>Connection capacity</b>		Solid	Stranded	Ferrule (with and without plastic sleeve)
<b>1 conductor</b>	mm <sup>2</sup>	0.2-4	0.2-4	0.2-4
<b>2 flexible conductors with a TWIN ferrule</b>	mm <sup>2</sup>	—	—	0.5-2.5
<b>General Information</b>				
<b>Insulation material/Flammability rating (according to UL 94)</b>		PA/V0		
<b>Operation temperatures</b>	°C ( °F )	-40(-40)~105(221)		
<b>Stripping length</b>	mm	7-8		
<b>Color</b>		Grey, Red, Blue (please contact sales for other color requirements)		
<b>Screw/Rated torque</b>	-/N.m(lb.in)(kgf.cm)	M3/0.5(4.5)(5.1)		
<b>Accessories</b>				
<b>Ferrule</b>		/		
<b>Slotted screwdriver size (Blade thickness x Width)</b>	mm	0.6x3.5		
<b>Fixed bridge ( 2,3,5,7,8,10P )</b>		FBI10-6		
<b>Insertion bridge (2-10P)</b>		EB2-6 / EB3-6 / EB10-6		
<b>End cover</b>		D-PCMB2.5		
<b>Separating disk</b>		TS-KK3		
<b>Partition plate</b>		/		
<b>Marker</b>		ZB6 / ZS6		
<b>Marker support</b>		/		
<b>Terminal strip marker support</b>		DLM2 / KLM3-20x8 / KLM3-44x8		
<b>End clamp</b>		E-PC 1100A / E-WS N		



## PC Fuse Terminal Blocks

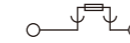
- PC Fuse type terminal blocks, with screw connection technology, high-quality copper screw and cage ensure the stable & reliable connection
- Snap-on fuse box for easy fuse replacement
- The cuttable side bridges can reach jumped connection
- Compatible with the marking system to clearly identify the working area



PC Series




## Screw connection technology 2

Fuse terminal blocks (5X20, 5X25, 6.3X32)



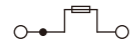
PC4-HE

UL CE ENE RoHS REACH

<b>Order NO.</b>	11010000076			
Width/Length/Height(NS35/7.5&NS35/15) mm	8.2/72.89/57.37(64.87)			
<b>Electrical Data</b>	IEC IEC60947-7-3	UL UL1059		
Rated voltage V	800	600		
Rated current A	6.3	6.3		
Rated cross section mm <sup>2</sup> /AWG	0.2-4	26-10		
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor mm <sup>2</sup>	0.2-4	0.2-4	0.2-4	0.2-2.5
2 flexible conductors with a TWIN ferrule mm <sup>2</sup>	—	—	—	0.5-2.5
<b>General Information</b>				
Insulation material/Flammability rating (according to UL 94)	PA/V0			
Operation temperatures °C ( °F )	-40(-40)~105(221)			
Stripping length mm	7-8			
Color	Black (please contact sales for other color requirements)			
Screw/Rated torque -/N.m(lb.in)(kgf.cm)	M3/0.5(4.5)(5.1)			
<b>Accessories</b>				
Ferrule	/			
Slotted screwdriver size (Blade thickness x Width) mm	0.6x3.5			
Fixed bridge	/			
Insertion bridge ( 2,3,10P )	EB2-8 / EB3-8 / EB10-8			
End cover	/			
Separating disk	/			
Partition plate	/			
Marker 	ZB8 / ZS8			
Marker support	/			
Terminal strip marker support 	DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp 	E-PC 1100A / E-WS N			



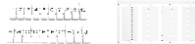


## Screw connection technology 2

Fuse terminal blocks (5X20)



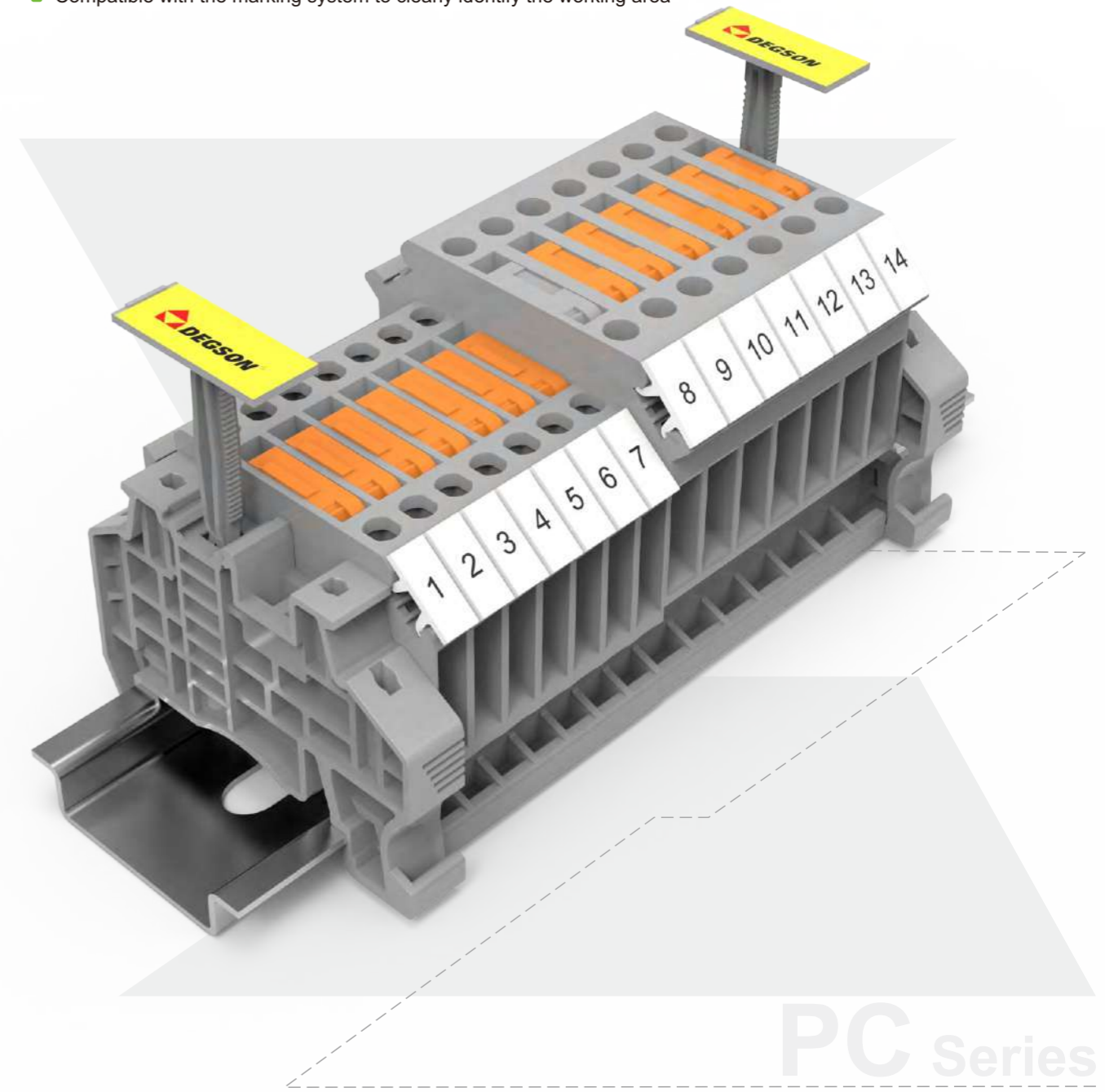
PC10-DR

UL CE ENEC RoHS REACH

<b>Order NO.</b>	11010000005			
Width/Length/Height(NS35/7.5&NS35/15) mm	12/62/57.8(64.75)			
<b>Electrical Data</b>	IEC IEC60947-7-3	UL UL1059		
Rated voltage V	800	600		
Rated current A	10	10		
Rated cross section mm <sup>2</sup> /AWG	0.5-10	24-6		
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor mm <sup>2</sup>	0.5-10	0.5-10	0.5-10	
2 flexible conductors with a TWIN ferrule mm <sup>2</sup>	—	—	0.5-10	
<b>General Information</b>				
Insulation material/Flammability rating (according to UL 94)	PA/V0			
Operation temperatures °C ( °F )	-40(-40)~105(221)			
Stripping length mm	10-11			
Color	Black (please contact sales for other color requirements)			
Screw/Rated torque -/N.m(lb.in)(kgf.cm)	M4/1.2(10.5)(12.24)			
<b>Accessories</b>				
Ferrule	/			
Slotted screwdriver size (Blade thickness x Width) mm	1x4			
Fixed bridge 	FBI10-10			
Insertion bridge (2-10P) 	EB10-12			
End cover	/			
Separating disk	/			
Partition plate	/			
Marker 	ZB8 / ZS8			
Marker support	/			
Terminal strip marker support 	DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp 	E-PC 1100A / E-WS N			

## PC Disconnect Terminal Blocks

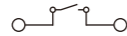
- PC Knife disconnect terminal blocks, with screw connection technology, high-quality copper screw and cage ensure the stable & reliable connection
- The circuit can be disconnected, measured, controlled easily by operate the knife disconnecter
- Snap-on knife disconnecter to prevent accidental disconnection
- Compatible with the marking system to clearly identify the working area



PC Series

## Screw connection technology 2

Disconnect terminal blocks



PCMT2.5

CE ENEC RoHS REACH

Order NO.	11010000144			
Width/Length/Height(NS35/7.5&NS35/15)	mm	5.2/46.25/48.18(55.68)		
<b>Electrical Data</b>		IEC IEC60947-7-1	UL UL1059	
Rated voltage	V	500	300	
Rated current	A	16	10	
Rated cross section	mm <sup>2</sup> /AWG	0.2-2.5	24-14	
<b>Connection capacity</b>		Solid	Stranded	Ferrule (with and without plastic sleeve)
1 conductor	mm <sup>2</sup>	0.2-2.5	0.2-2.5	0.2-2.5 0.2-1.5
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup>	—	—	— 0.5-1.5
<b>General Information</b>				
Insulation material/Flammability rating (according to UL 94)		PA/V0		
Operation temperatures	°C ( °F )	-40(-40)~105(221)		
Stripping length	mm	10-11		
Color		Grey, Red, Blue (please contact sales for other color requirements)		
Screw/Rated torque	-/N.m(lb.in)(kgf.cm)	M3/0.5(4.5)(5.1)		
<b>Accessories</b>				
Ferrule		/		
Slotted screwdriver size (Blade thickness x Width)	mm	0.6x3.5		
Fixed bridge		/		
Insertion bridge (2-10P)		EB2-5 / EB3-5 / EB10-5		
End cover		D-PCMT2.5		
Separating disk		/		
Partition plate		/		
Marker		ZB5 / ZS5		
Marker support		/		
Terminal strip marker support		DLM2 / KLM3-20x8 / KLM3-44x8		
End clamp		E-PC 1100A / E-WS N		

## Screw connection technology 2

Disconnect terminal blocks



PCMT4

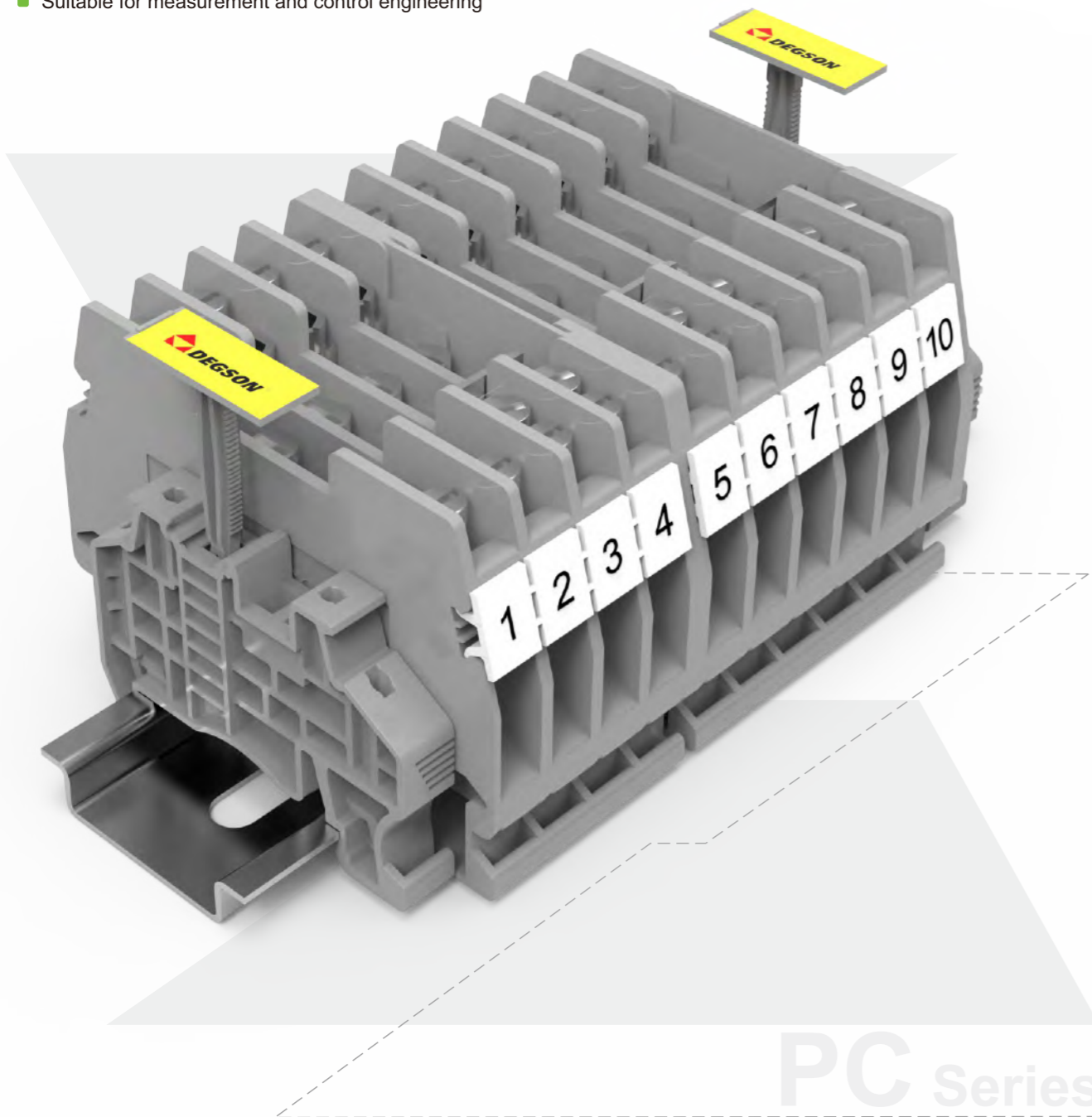
CE ENEC RoHS REACH

Order NO.	11010000145			
Width/Length/Height(NS35/7.5&NS35/15)	mm	6.2/51/47.4(54.9)		
<b>Electrical Data</b>		IEC IEC60947-7-1	UL UL1059	
Rated voltage	V	800	600	
Rated current	A	16	15	
Rated cross section	mm <sup>2</sup> /AWG	0.2-4	24-12	
<b>Connection capacity</b>		Solid	Stranded	Ferrule (with and without plastic sleeve)
1 conductor	mm <sup>2</sup>	0.2-4	0.2-4	0.2-4 0.2-2.5
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup>	—	—	— 0.5-2.5
<b>General Information</b>				
Insulation material/Flammability rating (according to UL 94)		PA/V0		
Operation temperatures	°C ( °F )	-40(-40)~105(221)		
Stripping length	mm	7-8		
Color		Grey, Red, Blue (please contact sales for other color requirements)		
Screw/Rated torque	-/N.m(lb.in)(kgf.cm)	M3/0.5(4.5)(5.1)		
<b>Accessories</b>				
Ferrule		/		
Slotted screwdriver size (Blade thickness x Width)	mm	0.6x3.5		
Fixed bridge		/		
Insertion bridge (2-40P)		EB2-6 / EB3-6 / EB10-6 / EBA40-6		
End cover		/		
Separating disk		/		
Partition plate		/		
Marker		ZB6 / ZS6		
Marker support		/		
Terminal strip marker support		DLM2 / KLM3-20x8 / KLM3-44x8		
End clamp		E-PC 1100A / E-WS N		



## PC Test Disconnect Terminal Block

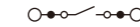
- PC Test disconnect terminal block, with screw connection technology, high-quality copper screw and cage ensure the stable & reliable connection
- The circuit can be disconnected, measured, controlled easily by operate the slide disconnecter
- Combined with bushings and bridges, it can short-circuit protection for circuits, which is convenient for protecting and measuring secondary circuits
- Suitable for measurement and control engineering



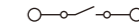
PC Series

## Screw connection technology 2

Test disconnect terminal blocks



PCTK6



PCTK6-BEN

UL CE ENEC RoHS REACH

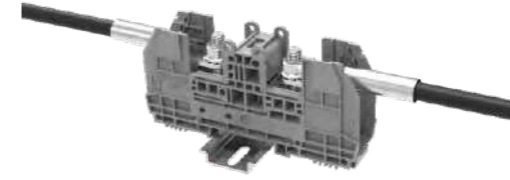
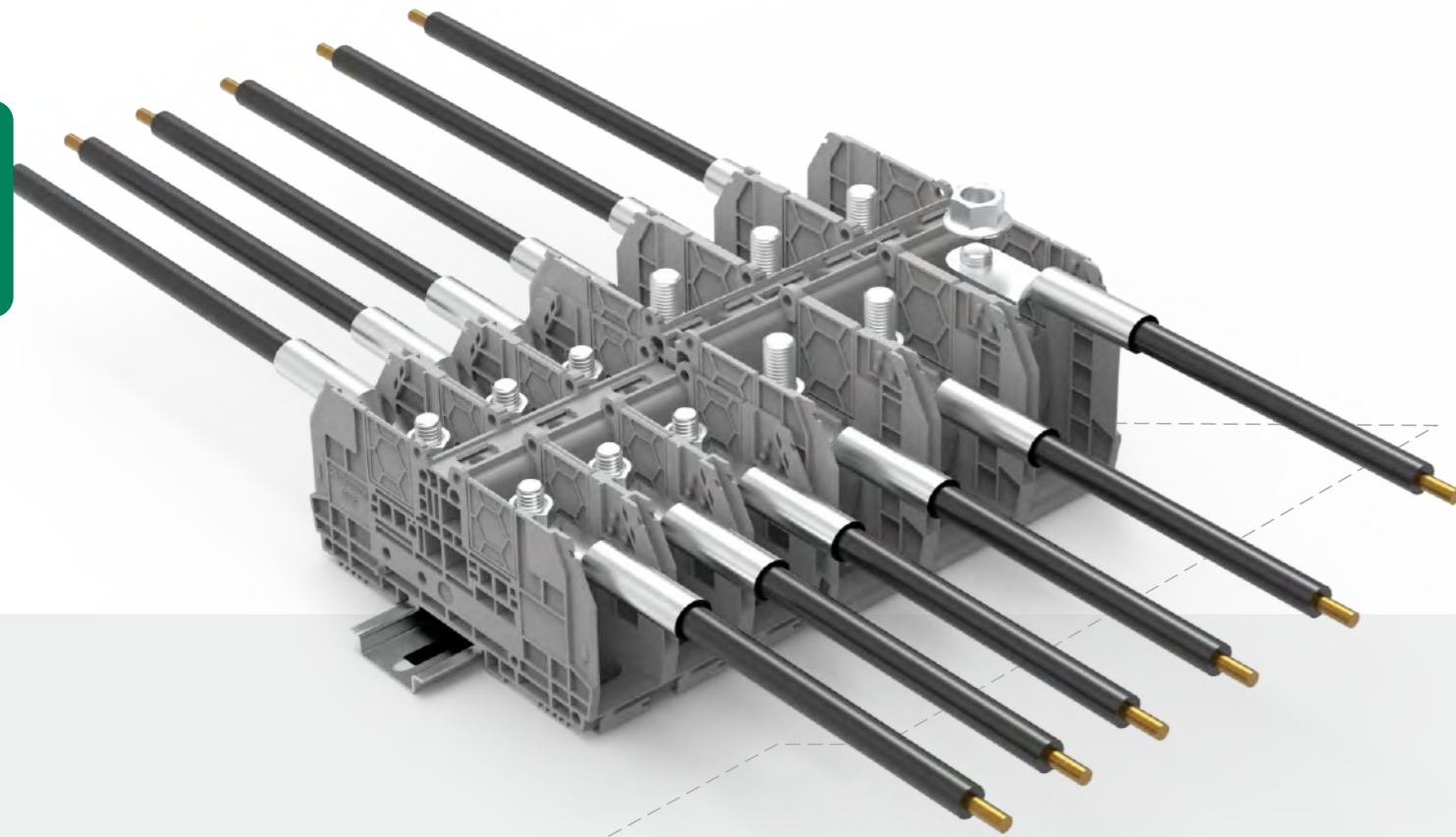
CE ENEC RoHS REACH

Order NO.	11010000146				11010000149			
Width/Length/Height(NS35/7.5&NS35/15)	mm 8.2/72/51.75(59.25)				8.2/61/58.85(67.35)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-1		UL UL1059	
Rated voltage	V 400		300		500		300	
Rated current	A 41		40		41		40	
Rated cross section	mm <sup>2</sup> /AWG 0.5-6		26-10		0.5-6		26-10	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.5-6	0.5-6	0.5-6	0.5-4	0.5-6	0.5-6	0.5-6	0.5-4
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> -	-	-	0.5-4	-	-	-	0.5-4
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C (°F) -40(-40)~105(221)				-40(-40)~105(221)			
Stripping length	mm 13-14				11-12			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Grey, Red, Blue (please contact sales for other color requirements)			
Screw/Rated torque	-/N.m(lb.in)(kgf.cm) M4/1.2(10.53)(12.24)				M4/1.2(10.53)(12.24)			
<b>Accessories</b>								
Ferrule	/				/			
Slotted screwdriver size (Blade thickness x Width)	mm 1x4				1x4			
Flexed bridge ( 2-10P )	FBXX-RTK/S				/			
Switch bridges (2-10P)	SB02-RTK/S				/			
Insertion bridge (2-10P)	EB2-8 / EB3-8 / EB10-8				EB2-8 / EB3-8 / EB10-8			
End cover	D-PCTK6				D-PCTK6-BEN			
Separating disk	/				/			
Partition plate	/				/			
Marker	ZB8 / ZS8				ZB8 / ZS8			
Marker support	/				/			
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			

## BS Bolt Connection Terminal Blocks

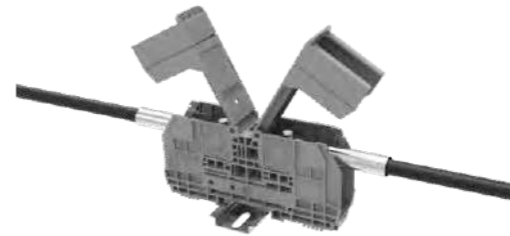
### Feature

- BS Bolt connection terminal blocks, with bolt connection technology, secure connection
- Multiple cable ends can be connected with a single screw, which can be used for power feed
- Closed structure design at both ends, with protective cover, safe and anti-touch
- Compatible with the marking system to clearly identify the working area
- Equipped with test hole in the middle, easy to test the circuit



### Bolt connection

BS Series products include BS8, BS10 bolt connection terminal blocks, can connect wires with diameters from 2.5mm<sup>2</sup> to 150mm<sup>2</sup>



### Removable cover

Closed structure design at both ends, with protective cover, safe and anti-touch



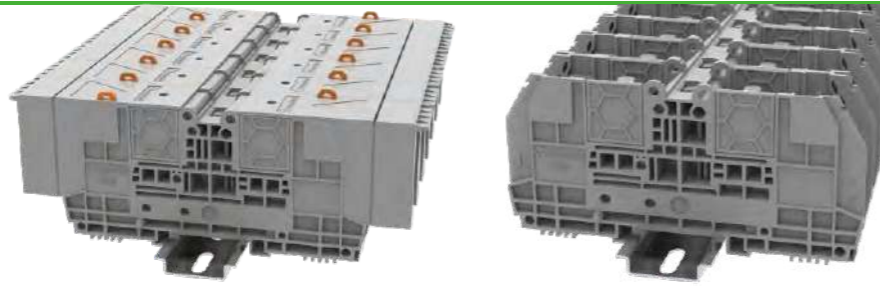
### Flexible installation

Variety installation methods, available for panel & Rail mounted




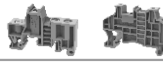
BS Series

## Bolted connection technology

Bolt type straight through terminal blocks


**BS8**

**BS8 N**
**CE RoHS REACH**
**CE RoHS REACH**




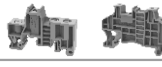
Order NO.	11070000001				11070000002			
Width/Length/Height(NS35/7.5&NS35/15) mm	29/184/70.7(78.2)				29/136/70.7(78.2)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-1		UL UL1059	
Rated voltage V	1000		600		1000		600	
Rated current A	192		175		192		175	
Rated cross section mm <sup>2</sup> /AWG	2.5-70		16-2/0		2.5-70		16-2/0	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor mm <sup>2</sup>	2.5-70	2.5-70	6-70	6-70	2.5-70	2.5-70	6-70	6-70
2 flexible conductors with a TWIN ferrule mm <sup>2</sup>	—	—	—	—	—	—	—	—
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures °C ( °F )	-40(-40)~105(221)				-40(-40)~105(221)			
Stripping length mm	Determined according to the selected specification of ferrules				Determined according to the selected specification of ferrules			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Grey, Red, Blue (please contact sales for other color requirements)			
Screw/Rated torque -/N.m(lb.in)(kgf.cm)	M8/6-12 (67.3-135.6)				M8/6-12 (67.3-135.6)			
<b>Accessories</b>								
Ferrule	OT/DT Ferrule,6-70				OT/DT Ferrule,6-70			
External hexagonal wrench (specification)	External hexagonal wrench(M8)				External hexagonal wrench(M8)			
Maximum conductor joint width mm	22				22			
Bridge (2-3P) 	BS8-VB2 / BS8-VB3				BS8-VB2 / BS8-VB3			
End cover	/				/			
Marker 	ZT12 / ZS12				ZT12 / ZS12			
Marker support	/				/			
Terminal strip marker support 	DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp 	E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			

## Bolted connection technology

Bolt type straight through terminal blocks


**BS10**

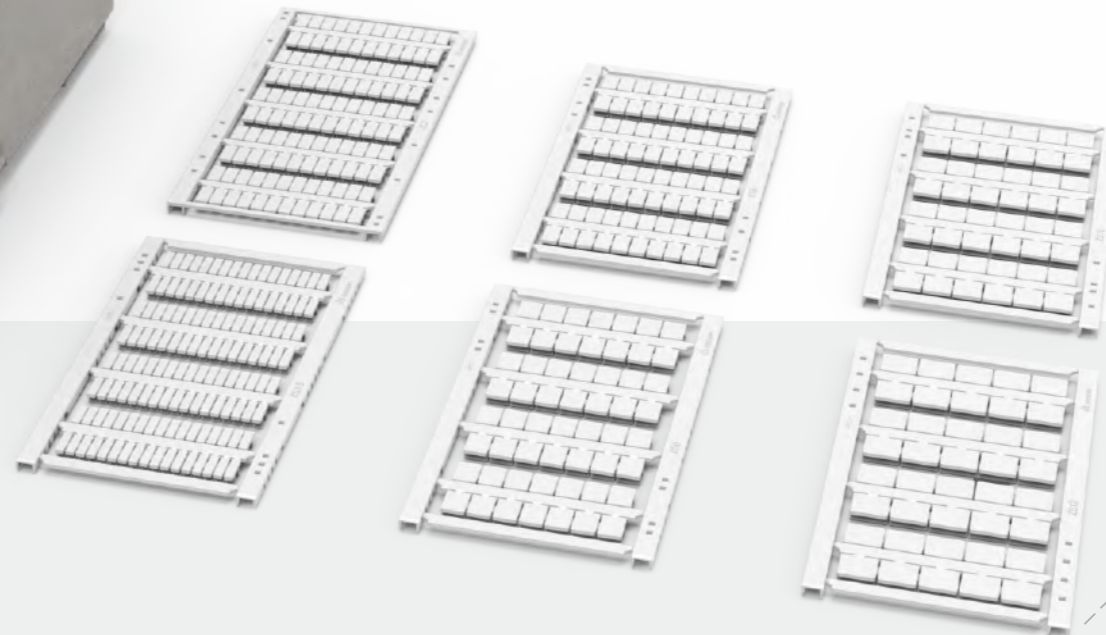
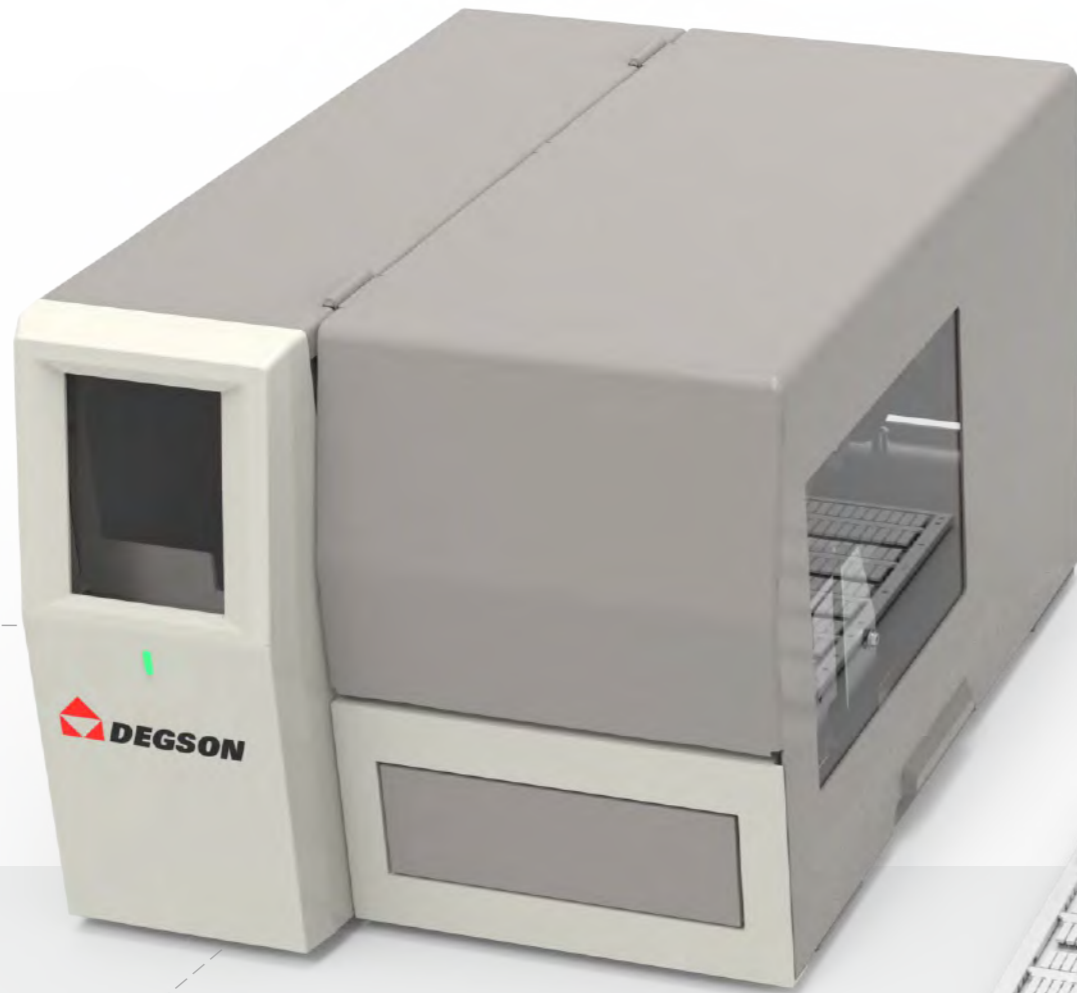
**BS10 N**
**CE RoHS REACH**
**CE RoHS REACH**

Order NO.	11070000003				11070000004			
Width/Length/Height(NS35/7.5&NS35/15) mm	41/235/86(93.5)				41/144/86(93.5)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-1		UL UL1059	
Rated voltage V	1000		600		1000		600	
Rated current A	309		310		309		310	
Rated cross section mm <sup>2</sup> / kcmil	6-150		10-350		6-150		10-350	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor mm <sup>2</sup>	6-150	6-150	6-150	6-150	6-150	6-150	6-150	6-150
2 flexible conductors with a TWIN ferrule mm <sup>2</sup>	—	—	—	—	—	—	—	—
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures °C ( °F )	-40(-40)~105(221)				-40(-40)~105(221)			
Stripping length mm	Determined according to the selected specification of ferrules				Determined according to the selected specification of ferrules			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Grey, Red, Blue (please contact sales for other color requirements)			
Screw/Rated torque -/N.m(lb.in)(kgf.cm)	M10/10-20(113-226)				M10/10-20(113-226)			
<b>Accessories</b>								
Ferrule	OT/DT Ferrule,6-150				OT/DT Ferrule,6-150			
External hexagonal wrench (specification)	External hexagonal wrench(M10)				External hexagonal wrench(M10)			
Maximum conductor joint width mm	30				30			
Bridge (2-3P) 	BS10-VB2 / BS10-VB3				BS10-VB2 / BS10-VB3			
End cover	/				/			
Marker 	ZT12 / ZS12				ZT12 / ZS12			
Marker support	/				/			
Terminal strip marker support 	DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp 	E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			

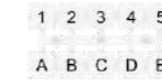


## Marking System

Degson printer marking system, providing a complete solution for industrial site identification case. Our thermal transfer printers and laser printers provide customers with terminal blocks marker, wire marker, device marker Printing Service



Marking System



Terminal Blocks Marker



Cable Marker



Device Marker

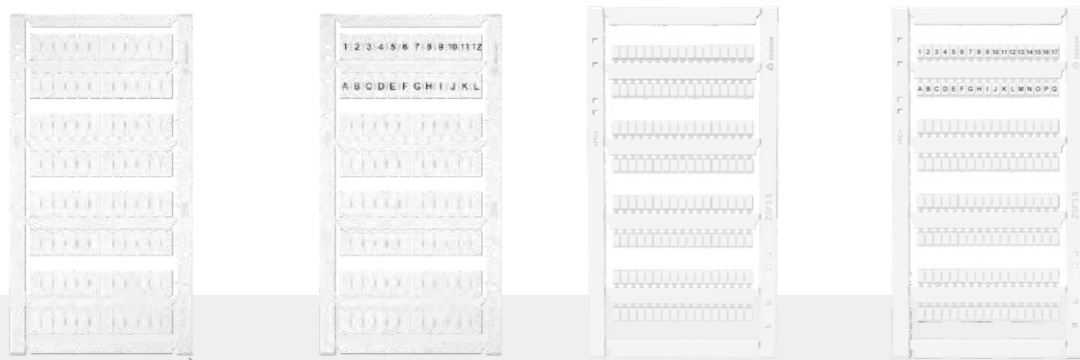


Accessories

Marking System

## Marking System

The Vario plotter is easy to operate and can feed the request for batches printing. PTT thermal transfer printer can print ZS, ZSF series markers in high speed.



Marking System

## Vario Writing Machine



- Flexible drawing function to realize various marker printing. Automatic calibration of printing requirements for better marks Influence
- Large area recognition area, batch printing

## PTT Thermal Transfer Printer



- Support plate printing to identify terminals, suitable for ZS, ZSF series standard markers
- Thermal transfer printing technology to realize fast batch printing

Technical Data			
Dimension(mm)	Width	Length	High
	470	480	155
Marking area (mm)	273x305		
Maximum drawing speed(mm/s)	40		
Interface	USB2.0		
Input voltage (V)	100-240VAC / 50-60 Hz		

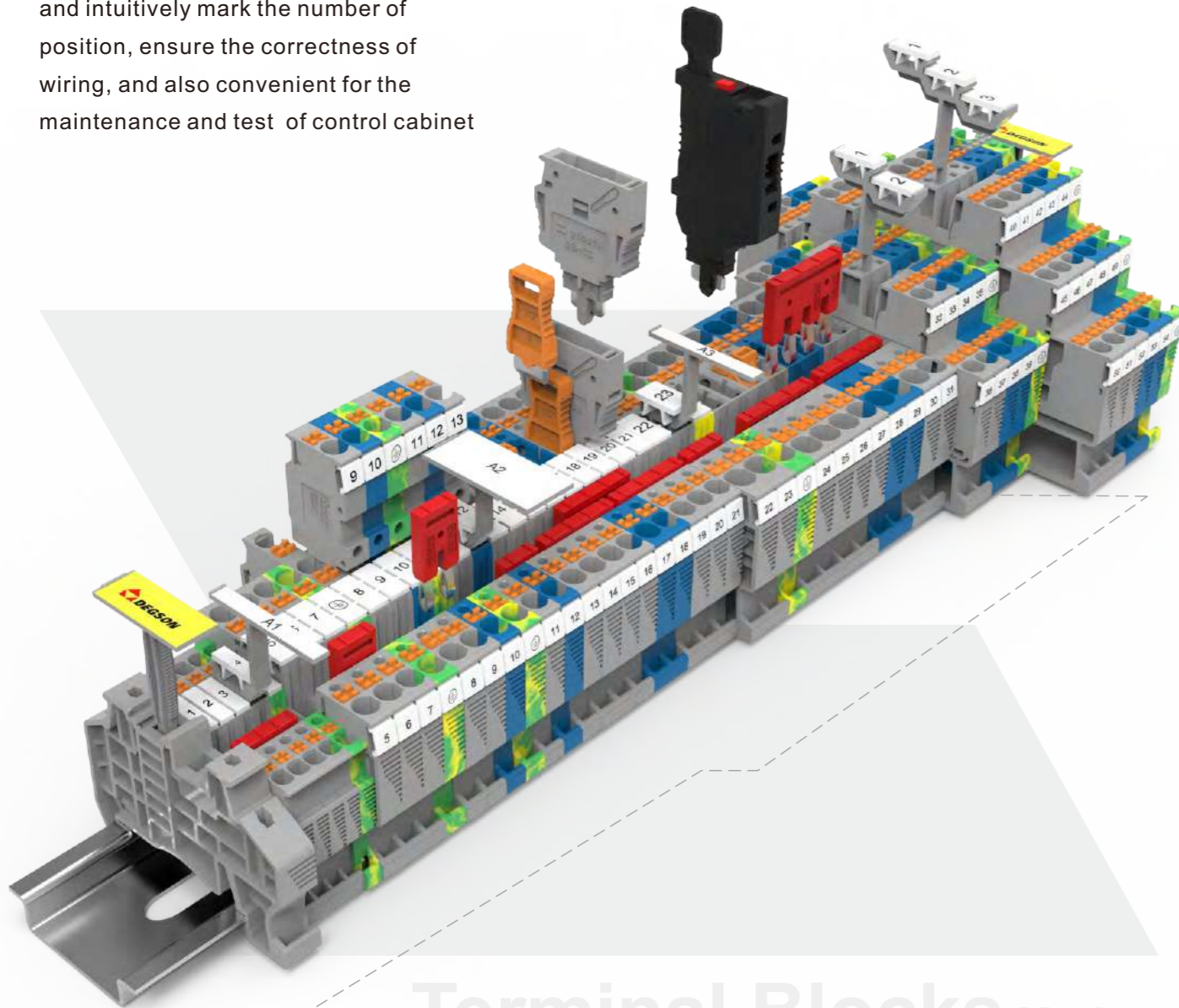
Material Data	
Description: The Vario writing machine	
Type	Order NO.
PM-00A	9902000001
Accessories	
Accessories	Order NO.
Template	99020000006
Writing pen	99020000002
Ink	99020000003

Technical Data			
Dimension(mm)	Width	Length	High
	345	218	256
Temperature range(°C)	0~45		
Print resolution(dpi)	300		
Maximum print width(mm)	102		
Interface	Ethernet / USB Type B / USB3.0 / RS232		

Material Data	
Description: Plate Thermal Transfer Printer	
Type	Order NO.
PTT	99020000073 (To be released)
Accessories	
Accessories	Order NO.
ZS Fixture	/
ZSF Fixture	/

## Terminal Blocks Marker

The terminal blocks markers can clearly and intuitively mark the number of position, ensure the correctness of wiring, and also convenient for the maintenance and test of control cabinet

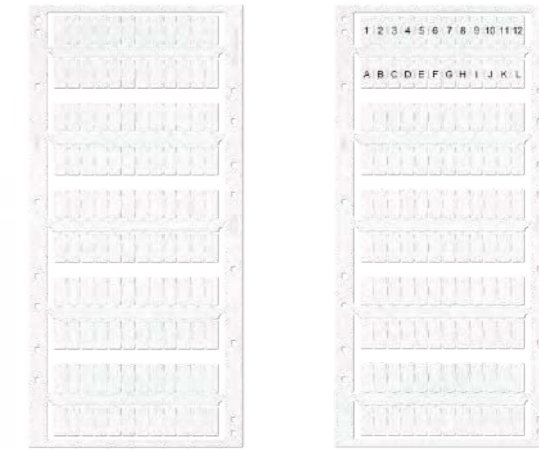


Terminal Blocks Marker

## ZC Series Markers



- Easy to install and remove
- Markers available in various widths
- Marking service: according to the printing needs of different customers
- We can provide customized printing service



### Technical Data

<b>Applicable printer</b>	Vario, Thermal Transfer Printer	
<b>Marking material</b>	PC	
<b>Flammability rating, acc.to UL 94</b>	V2	
<b>Temperature range(°C)</b>	-40~110	
<b>Ingredient</b>	Silicone and gluten free	
<b>Applicable terminals</b>	Terminal series	Installation location
	DC	Top

### Material Data

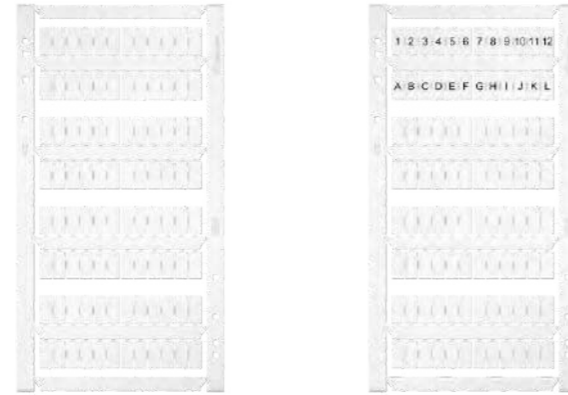
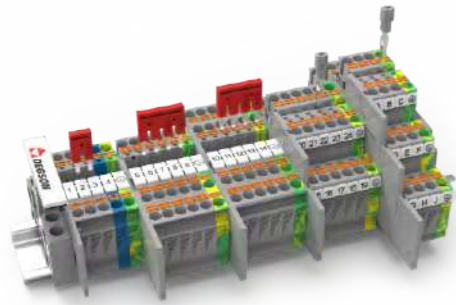
**Description:** Marker strip, not printed  
**Color:** White (please contact sales for other color requirements)

Type	Order NO.	Applicable width(mm)	Number of positions
ZC5	92118901439	5.1	120

The customized service will be provided according to the special printing requirements of customers.



## ZS Series Markers



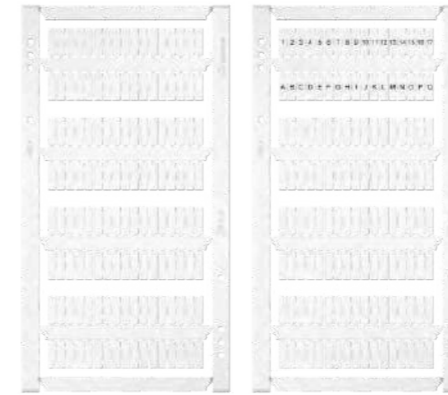
- Top marker
- Easy to install and remove
- Markers available in various widths
- Marking service: according to the printing needs of different customers, we can provide customized printing service

Technical Data			
Applicable printer	Vario, Thermal Transfer Printer		
Marking material	PC		
Flammability rating, acc.to UL 94	V2		
Temperature range(°C)	-40~110		
Ingredient	Silicone and gluten free		
Applicable terminals	Terminal series	Installation location	
	DS / PC	Top	
Material Data			
Description: Marker strip, not printed			
Color: White (please contact sales for other color requirements)			
Type	Order NO.	Applicable width(mm)	Number of positions
ZS3.5	11060000590	3.5	136
ZS5	11060000591	5.2	96
ZS6	11060000592	6.2	80
ZS8	11060000593	8.2	56
ZS10	11060000594	10.2	48
ZS12	11060000595	12.2	40

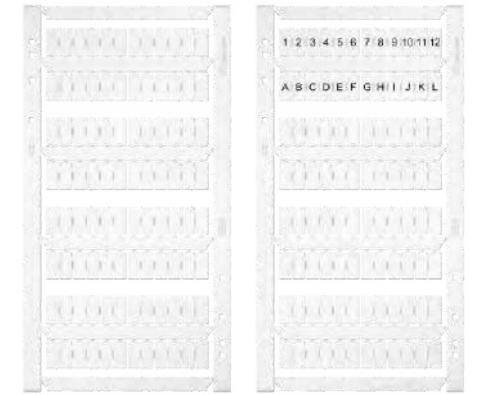
The customized service will be provided according to the special printing requirements of customers.

## ZS Series Markers

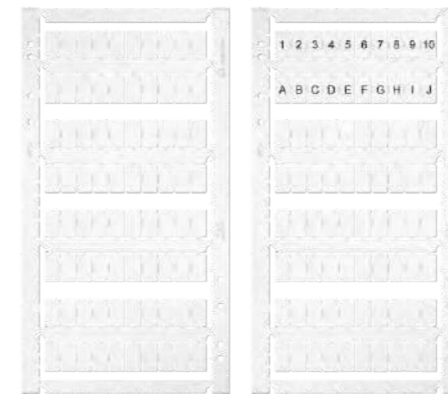
ZS series markers have: ZS3.5, ZS5, ZS6, ZS8, ZS10, ZS12 six series in total.



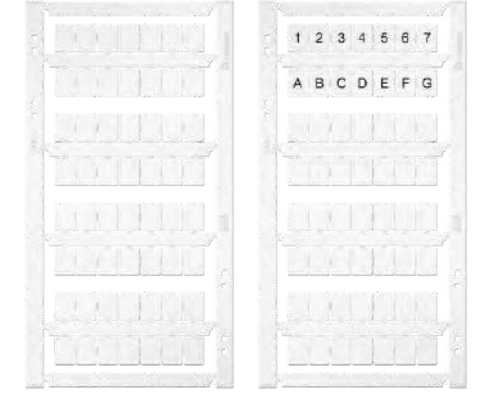
ZS3.5



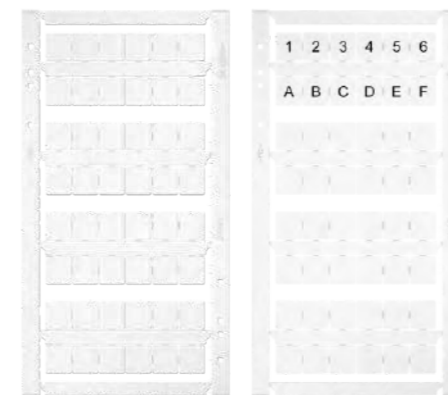
ZS5



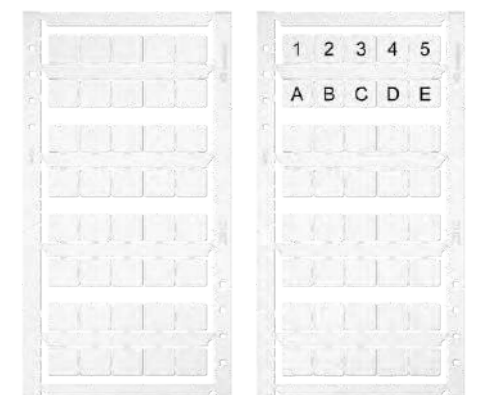
ZS6



ZS8

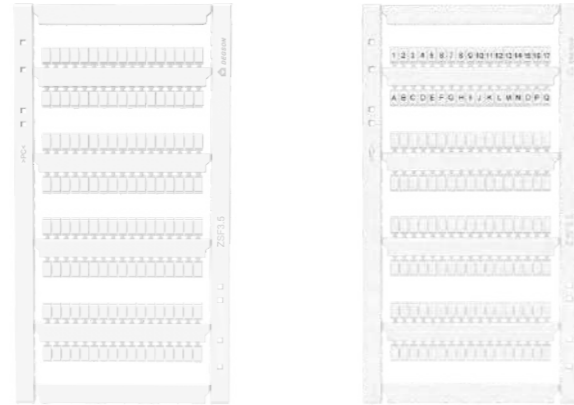
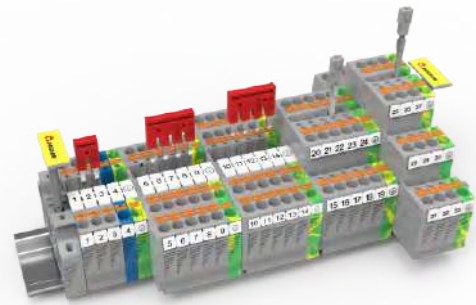


ZS10



ZS12

## ZSF Series Markers



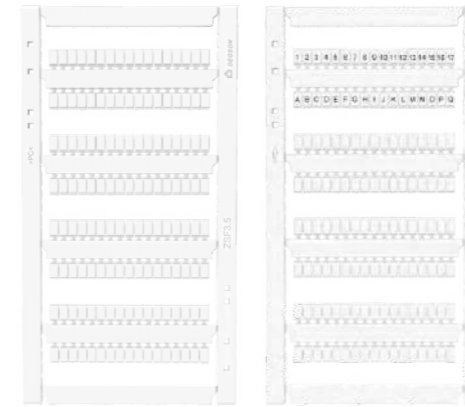
- Side marker
- Easy to install and remove
- Markers available in various widths
- Marking service: according to the printing needs of different customers, we can provide customized printing service

Technical Data			
Applicable printer	Vario, Thermal Transfer Printer		
Marking material	PC		
Flammability rating, acc.to UL 94	V2		
Temperature range(°C)	-40~110		
Ingredient	Silicone and gluten free		
Applicable terminals	Terminal series	Installation location	
	DS / PC	Side	
Material Data			
Description: Marker strip, not printed			
Color: White (please contact sales for other color requirements)			
Type	Order NO.	Applicable width(mm)	Number of positions
ZSF3.5	11060000596	3.5	136
ZSF5	11060000597	5.2	96
ZSF6	11060000598	6.2	80
ZSF8	11060000599	8.2	56
ZSF10	11060000600	10.2	48
ZSF12	11060000601	12.2	40

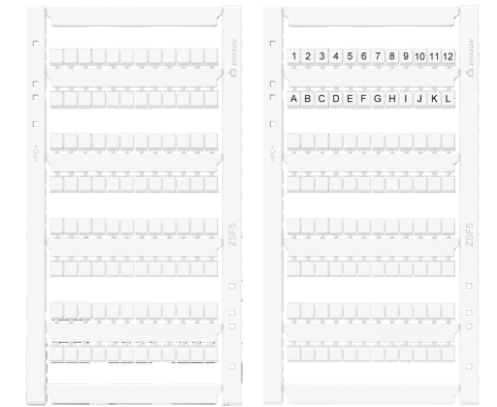
The customized service will be provided according to the special printing requirements of customers.

## ZSF Series Markers

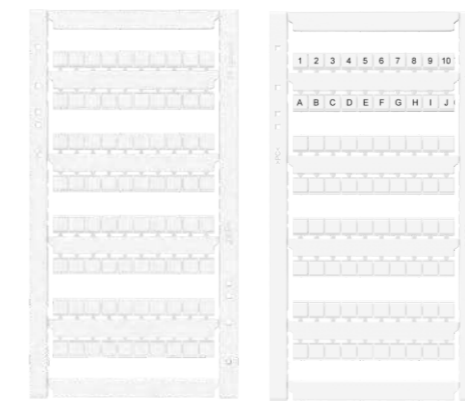
ZSF series markers have ZSF3.5, ZSF5, ZSF6, ZSF8, ZSF10, ZSF12 six series in total.



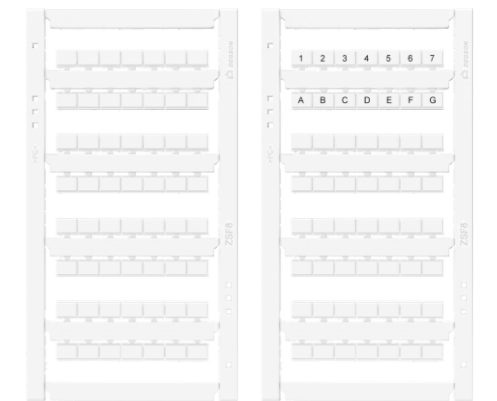
ZSF3.5



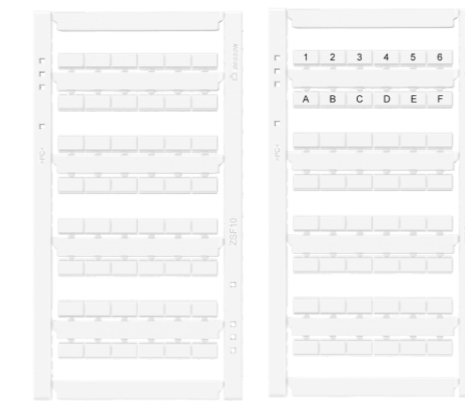
ZSF5



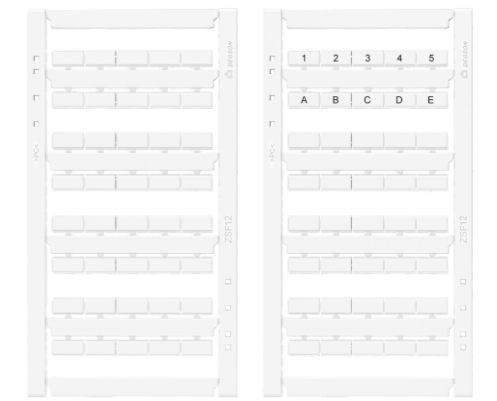
ZSF6



ZSF8



ZSF10



ZSF12

## ZB Series Marker Strip



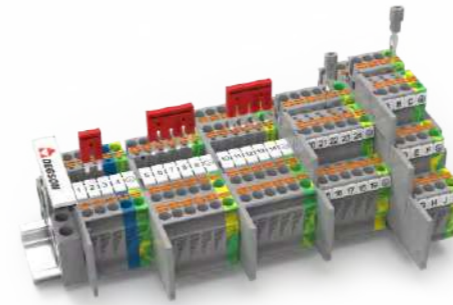
- Easy to install and remove
- Markers available in various widths
- Can be printed with Vario
- Marking service: according to the printing needs of different customers, we can provide customized printing service

Technical Data		
Applicable printer	Vario	
Marking material	PA	
Flammability rating, acc.to UL 94	V0	
Temperature range(°C)	-40~105	
Ingredient	Silicone and gluten free	
Applicable terminals	Terminal series	Installation location
	DS / PC	Top

Material Data			
<b>Description:</b> Marker strip, not printed			
<b>Color:</b> White (please contact sales for other color requirements)			
Type	Order NO.	Applicable width(mm)	Number of positions
ZB3.5	92118900094	3.5	10
ZB4	92118900109	4.2	10
ZB5	92118900129	5.2	10
ZB6	92118900430	6.2	10
ZB8	92118900578	8.2	10
ZB10	92118900024	10.2	10

The customized service will be provided according to the special printing requirements of customers.

## ZK Series Marker Strip



- Easy to install and remove
- Can be printed with Vario
- Marking service: according to the printing needs of different customers, we can provide customized printing service

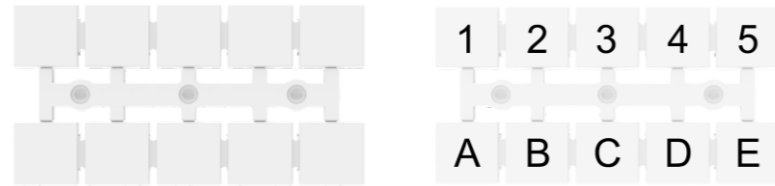
Technical Data		
Applicable printer	Vario	
Marking material	PC	
Flammability rating, acc.to UL 94	V2	
Temperature range(°C)	-40~110	
Ingredient	Silicone and gluten free	
Applicable terminals	Terminal series	Installation location
	DS	Side

Material Data			
<b>Description:</b> Marker strip, not printed			
<b>Color:</b> White (please contact sales for other color requirements)			
Type	Order NO.	Applicable width(mm)	Number of positions
ZK5	92118901170	5.2	24
ZK6	92118901207	6.2	20

The customized service will be provided according to the special printing requirements of customers.



## ZT Series Marker Strip

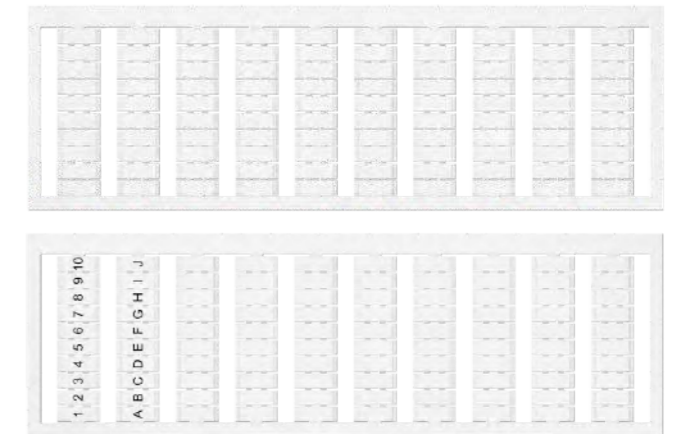
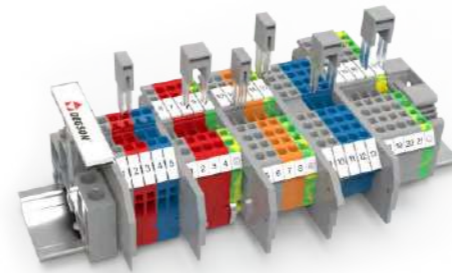


- Easy to install and remove
- Can be printed with Vario
- Marking service: according to the printing needs of different customers, we can provide customized printing service

Technical Data			
Applicable printer	Vario		
Marking material	PC		
Flammability rating, acc.to UL 94	V2		
Temperature range(°C)	-40~110		
Ingredient	Silicone and gluten free		
Applicable terminals	Terminal series	Installation location	
	DS / WS / PC / DC	Top	
Material Data			
<b>Description:</b> Marker strip, not printed			
<b>Color:</b> White (please contact sales for other color requirements)			
Type	Order NO.	Applicable width(mm)	Number of positions
ZT12	92118901290	12.2	10

The customized service will be provided according to the special printing requirements of customers.

## WB Series Markers

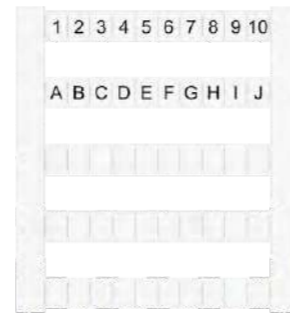
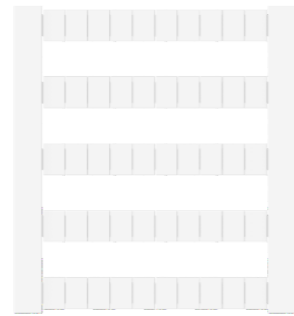
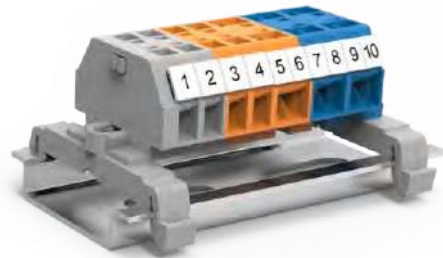


- Easy to install and remove
- Available in 4mm and 5mm widths
- Can be printed with Vario
- Marking service: according to the printing needs of different customers, we can provide customized printing service

Technical Data			
Applicable printer	Vario		
Marking material	PA		
Flammability rating, acc.to UL 94	V0		
Temperature range(°C)	-40~105		
Ingredient	Silicone and gluten free		
Applicable terminals	Terminal series	Installation location	
	WS	Top	
Material Data			
<b>Description:</b> Marker strip, not printed			
<b>Color:</b> White (please contact sales for other color requirements)			
Type	Order NO.	Applicable width(mm)	Number of positions
WB4	92118900841	4	100
WB5	92118900002	5	100

The customized service will be provided according to the special printing requirements of customers.

## DEK Series Markers



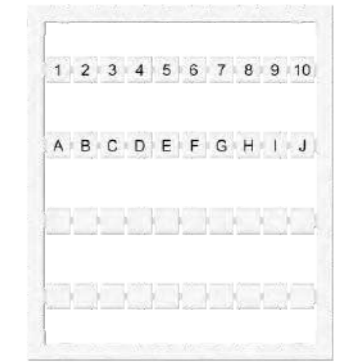
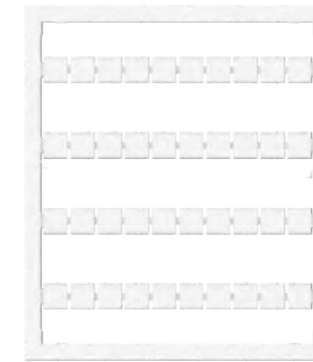
- Easy to install and remove
- Markers available in various widths
- Can be printed with Vario
- Marking service: according to the printing needs of different customers, we can provide customized printing service

Technical Data		
Applicable printer	Vario	
Marking material	PA	
Flammability rating, acc.to UL 94	V0	
Temperature range(°C)	-40~105	
Ingredient	Silicone and gluten free	
Applicable terminals	Terminal series	Installation location
	WS	Side

Material Data			
<b>Description:</b> Marker strip, not printed			
<b>Color:</b> White (please contact sales for other color requirements)			
Type	Order NO.	Applicable width(mm)	Number of positions
DEK4	92118900750	4	50
DEK5	92118900753	5	50
DEK6	92118900791	6	50

The customized service will be provided according to the special printing requirements of customers.

## ZW Series Markers



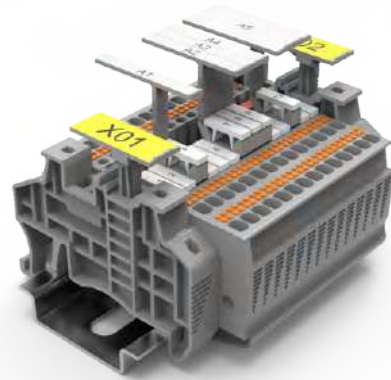
- Easy to install and remove
- Markers available in various widths
- Can be printed with Vario
- Marking service: according to the printing needs of different customers, we can provide customized printing service

Technical Data		
Applicable printer	Vario	
Marking material	PA	
Flammability rating, acc.to UL 94	V0	
Temperature range(°C)	-40~105	
Ingredient	Silicone and gluten free	
Applicable terminals	Terminal series	Installation location
	WS	Top

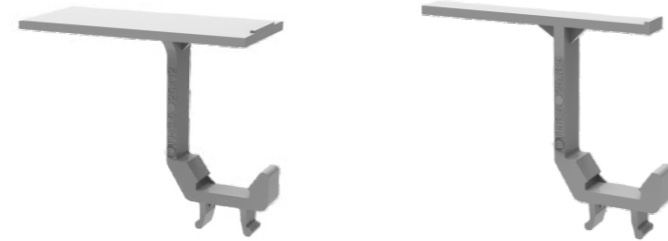
Material Data			
<b>Description :</b> Marker strip, not printed			
<b>Color:</b> White (please contact sales for other color requirements)			
Type	Order NO.	Applicable width(mm)	Number of positions
ZW5	92118900703	5.1	40

The customized service will be provided according to the special printing requirements of customers.

## DTH Marker Carrier



- Marking directly on the terminal blocks
- Suitable for 3.5mm and 5.2mm width terminals
- Extended Marking area
- Marking can be done directly with self-adhesive labels



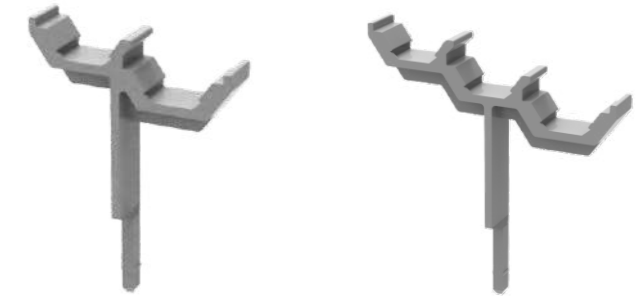
Technical Data			
Marking material	PA		
Flammability rating, acc.to UL 94	V0		
Temperature range(°C)	-40~105		
Ingredient	Silicone and gluten free		
Material Data			
<b>Description:</b> Stuck in the center of the terminal, can be directly marked with DML labels, ZS3.5 or ZS5 installed on the bottom			
<b>Color:</b> Grey (please contact sales for other color requirements) Labels for reel printers			
Type	Order NO.	Foot width(mm)	Marking range(mm)
DTH3.5-25x3.5	10060000570	3.5	25x3.5
DTH3.5-25x12	10060000567	3.5	25x12
DTH5-25x5	10060000569	5	25x5
DTH5-25x12	10060000568	5	25x12
Accessories			
Type	Labels for reel printers		
DML(25x3.5)	1 reel =10000 pcs markers		
DML(25x12)	1 reel =10000 pcs markers		
DML(25x5)	1 reel =10000 pcs markers		

The customized service will be provided according to the special printing requirements of customers.

## DMTH Marker Bracket, Using For Marking Multi-level Terminals



- Increase the size of the sign area
- Marker brackets can be mounted over multi-level terminals

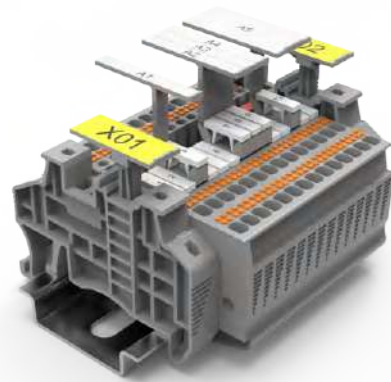


Technical Data				
Marking material	PA			
Flammability rating, acc.to UL 94	V0			
Temperature range(°C)	-40~105			
Ingredient	Silicone and gluten free			
Material Data				
<b>Description:</b> Marker strip, not printed				
<b>Color:</b> Grey (please contact sales for other color requirements)				
Type	Order NO.	Number of shelf layers	Applicable terminals	Applicable markers
DMTH5-2	11060000588	Double-layer	DSKK2.5 Double-layer terminal	ZS5 / ZB5
DMTH5-3	11060000589	Triple-layer	DS2.5-3L Triple-layer terminal	ZS5 / ZB5

The customized service will be provided according to the special printing requirements of customers.



## Terminal Blocks Marker



- KLM series product dedicated to E-PC-1100A(H)/E-WS End stopper
- The height of marking area is adjustable
- Three-section support bar can be cut at will

Technical Data			
Marking material	PA		
Flammability rating, acc.to UL 94	V0		
Temperature range(°C)	-40~105		
Material Data			
Description: Terminal strip markers, height can be adjusted and cut			
Color: White (please contact sales for other color requirements)			
Type	Order NO.	Applicable end stopper	Identity range (mm)
KLM3-20x8	10060000573	E-PC-1100A / E-WS N	20x8
KLM3-44x8	10060000574	E-PC-1100A / E-WS N / E-WS-5	44x8
Accessories			
Type	Labels for reel printers		
DML(20x8)	1 reel =10000 pcs markers		
DML(44x8)	1 reel =10000 pcs markers		

The customized service will be provided according to the special printing requirements of customers.

## DBE-1 Terminal Blocks Marker



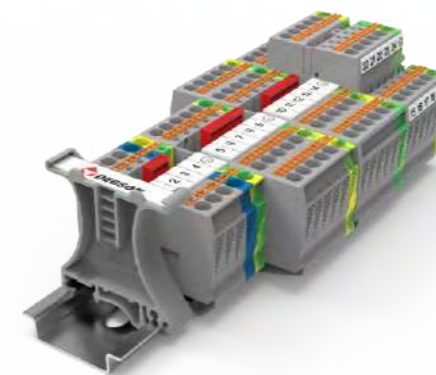
- Can be mounted directly on DIN rail for terminal blocks marker
- Can be used alone or with DLM



Technical Data			
Dimension(mm)	Width	Length	High
	15.6	44	45.6
Marking material	PA		
Flammability rating, acc.to UL 94	V0		
Temperature range(°C)	-40~105		

Material Data		
Description: Terminal blocks marking		
Color: Grey (please contact sales for other color requirements)		
Type	Order NO.	Identity range(mm)
DBE-1	11060000210	40x12

## DBE-2 Terminal Blocks Marker



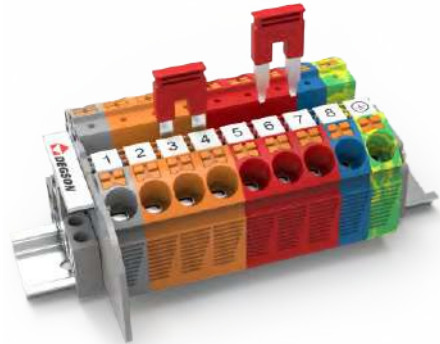
- Can be mounted directly on DIN rail for terminal blocks marker
- Can be used alone or with DLM



Technical Data			
Dimension(mm)	Width	Length	High
	9.5	43.5	45.9
Marking material	PA		
Flammability rating, acc.to UL 94	V0		
Temperature range(°C)	-40~105		

Material Data		
Description: Terminal blocks marking		
Color: Grey (please contact sales for other color requirements)		
Type	Order NO.	Identity range(mm)
DBE-2	11060000286	35x8

DLM Terminal Blocks Marker

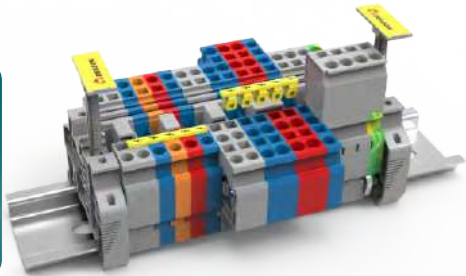


- Use with DBE to realize the marking function



Technical Data			
Dimension(mm)	Width	Length	High
	9.5	46	36.8
Marking material	PC		
Flammability rating, acc.to UL 94	V2		
Temperature range(°C)	-40~110		
Material Data			
Description: Terminal blocks marking			
Color: Transparent (please contact sales for other color requirements)			
Type	Order NO.	Accessories	
DLM2	11060000214	DBE-1, DBE-2, E-PC series	

Warning Marker



- Warning marker are used to identify power terminal blocks
- Prevent mishandling the connection points of wires



Technical Data		
Marking material	PA	
Flammability rating, acc.to UL 94	V0	
Temperature range(°C)	-40~105	
Material Data		
Description: Safety warning marker for WS series		
Color: Yellow (please contact sales for other color requirements)		
Type	Order NO.	Applicable width(mm)
EEA1.5	92118901391	4
EEA2.5	11060000064	5
EEA4	11060000065	6
EEA6	11060000066	8
EEA10	92118901059	10
EEA16	92118901060	12

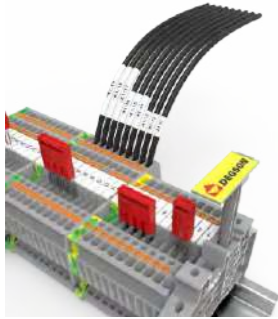
Cable Marker

Cable maker can clearly and intuitively mark the pin numbers of cables in the control cabinet and switch cabinet, making the installation and maintenance of components in the control cabinet easier and more efficient



Cable Marker

## Mark Sleeves



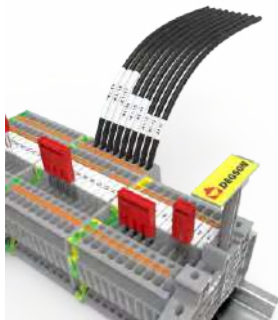
- DSL series marking sleeves for long-term cable marking
- Marker sleeves provide electrical insulation and mechanical protection of conductors



■ Development

Technical Data		
Applicable printer	Reel printer	
Marking material	Polyolefin	
Temperature range(°C)	-55~125	
Scratch resistance	DIN EN 61010-1 (VDE 0411-1)	
Ingredient	Halogen Free	
Material Data		
Description: Marking sleeve for wire diameter xx mm		
Color: White (please contact sales for other color requirements)		
Type	Order NO.	Specification
DSL-ZH	/	1 reel = xx m

## Thermal Casing



- DSLL series marking sleeves for long-term cable marking
- Prefabricated heat-shrinkable sleeves, fixed first and then heat-shrunked
- Thermal casing provide electrical insulation and mechanical protection of conductors

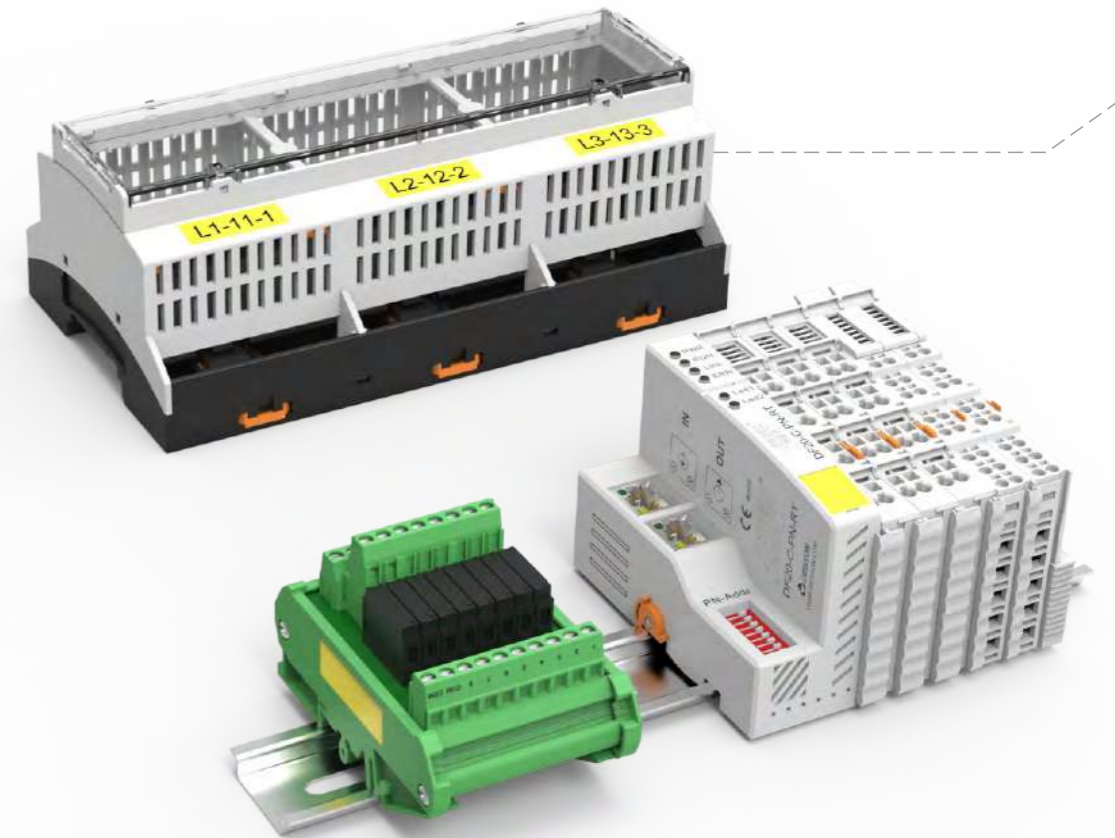


■ Development

Technical Data		
Applicable printer	Reel printer	
Marking material	Polyolefin	
Temperature range(°C)	-55~105	
Scratch resistance	DIN EN 61010-1 (VDE 0411-1)	
Ingredient	Halogen Free	
Shrinkage	2:1	
Material Data		
Description: Marking sleeve for wire diameter xx mm		
Color: White (please contact sales for other color requirements)		
Type	Order NO.	Specification
DSSL-2-ZH	/	1 reel = xx m , continuous

## Device Marker

Device marker the surface of the equipment or electrical components, plays a role in identification, and can clarify the functions and application of the device or electrical components



# Device Marker



### Self-adhesive Device Markers for Buttons



- Self-adhesive markers for marking electronic buttons and indicators on control cabinets
- Printed content is tested against a variety of laboratory standards and can be used in harsh industrial environments

Development

Technical Data			
Applicable printer	Button diameter		
Marking material	Polyester		
Temperature range(°C)	-40~120		
Scratch resistance	DIN EN 61010-1 (VDE 0411-1)		
Ingredient	Silicone and gluten free		
Material Data			
Color: White (please contact sales for other color requirements)			
Type	Order NO.	Button diameter(mm)	Specification
DBML24	/	24	1 reel = xx m
DBML30	/	30	1 reel = xx m

### DML Self-adhesive Device Markers

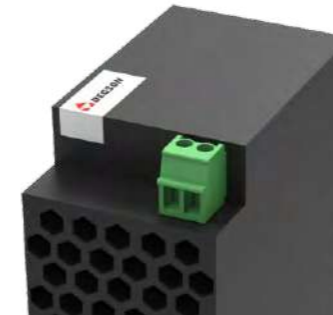


- Self-adhesive labels can be used for marking on a variety of equipments can be used in harsh industrial environments

Development

Technical Data			
Applicable printer	Reel printer		
Marking material	Polyester		
Temperature range(°C)	-40~150		
Scratch resistance	DIN EN 61010-1 (VDE 0411-1)		
Ingredient	Silicone and gluten free		
Material Data			
Description: Label, printable with thermal transfer printer			
Color: White (please contact sales for other color requirements)			
Type	Order NO.	Specification	
DML(24x3)	/	1 reel = xx m	
DML(24x4)	/	1 reel = xx m	

### Self-adhesive PVC Device Markers, High Flexibility



- Highly flexible markers can be marked on curved and ribbed surfaces, can be used in harsh industrial environments

Development

Technical Data		
Applicable printer	Reel printer	
Marking material	PVC	
Temperature range(°C)	-40~90	
Scratch resistance	DIN EN 61010-1 (VDE 0411-1)	
Ingredient	Silicone and gluten free	
Material Data		
Description: Label, printable with thermal transfer printer		
Color: White (please contact sales for other color requirements)		
Type	Order NO.	Specification
DMLF(24x3)	/	1 reel = xx m
DMLF(24x4)	/	1 reel = xx m

### Self-adhesive Device Marking, High Temperature



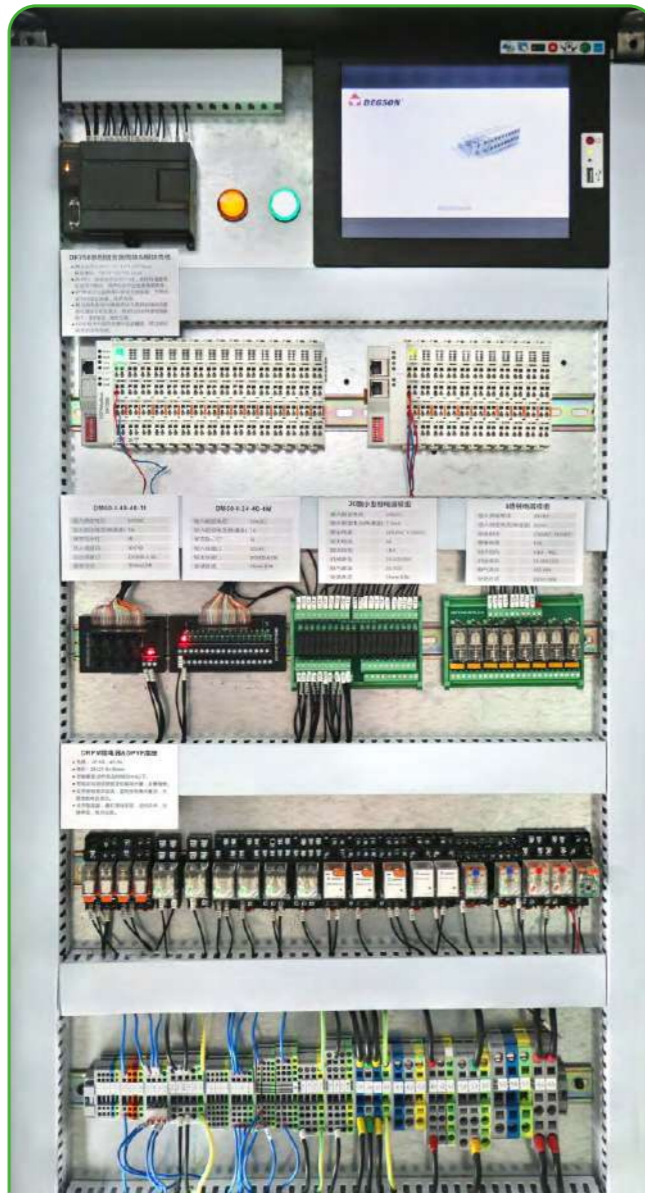
- High temperature labels for marking circuit boards

Development

Technical Data		
Applicable printer	Reel printer	
Marking material	Acrylate	
Temperature range(°C)	-40~180	
scratch resistance	DIN EN 61010-1 (VDE 0411-1)	
Ingredient	Silicone and gluten free	
Material Data		
Description: Label, printable with thermal transfer printer		
Color: White (please contact sales for other color requirements)		
Type	Order NO.	Specification
DHTML(24x3)	/	1 reel = xx m
DHTML(24x4)	/	1 reel = xx m

**Accessories**

DIN rails and end stopper can ensure reliable connection of electrical connectors and components in the control cabinet, shielded terminal blocks can ensure that wiring conforms EMC standards, and wire slot can ensure a beautiful performance of layout in the cabinet.



Accessories

**DIN Rail NS15,  
Short Type**



- DIN rails are designed according to European EN60715 standard
- High dimensional accuracy and surface polishing
- All DIN rails are available in lengths upon request

Material Data				
<b>Description:</b> DIN-Rail, 1 meter length				
Type	Order NO.	Material	Hole(mm)	Height(mm)
NS15	92113900003	Steel/Blue and white Zn Plated	4.1x12	5.5

**DIN Rail NS35,  
Short Type**



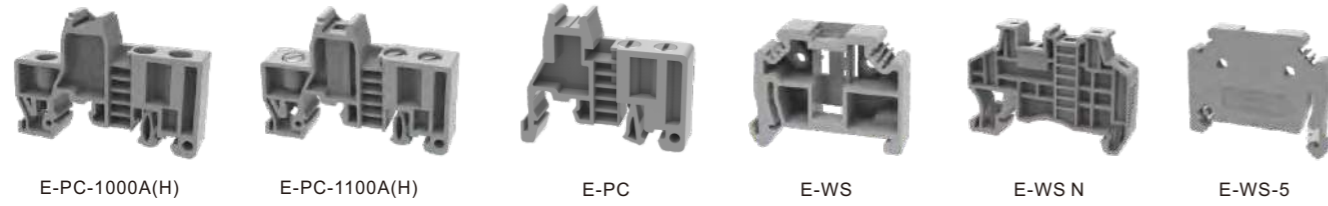
- DIN rails are designed according to European EN60715 standard
- High dimensional accuracy and surface polishing
- All DIN rails are available in lengths upon request

Material Data				
<b>Description:</b> DIN-Rail, 1 meter length				
Type	Order NO.	Material	Hole(mm)	Height(mm)
NS35-7.5	92113900022	steel/Zn Plated	6.2x15	7.5
NS35-7.5-AL	92113900037	Aluminum	5.2x15	7.5

Marking System

Marking System

## Snap-in End Stopper



- End stopper can ensure a secure DIN rail system, the reliable marking area is large

Technical Data			
Marking material	PA		
Temperature range(°C)	-40~105		
Flammability rating, acc.to UL 94	V0		
Material Data			
Description: End clamp	Color: Grey		
Type	Order NO.	Width(mm)	Adapter bracket
E-PC-1000A(H)	11060000074	9.5	DLM2
E-PC-1100A(H)	/	9.5	DLM2 / KLM3-20x8 / KLM3-44x8
E-PC	11060000073	9.5	DLM2
E-WS	11060000127	10	/
E-WS N	/	8	KLM3-20x8 / KLM3-44x8
E-WS-5	11060000422	5	KLM3-20x8 / KLM3-44x8

## Neutral Bus Bar



Technical Data					
Marking material	Copper				
Material Data					
Description: PEN Wire Bus Bars	Color: Grey				
Type	Order NO.	Rated current(A)	Length(mm)	Width(mm)	Height(mm)
DLS-CU3/10	92118900917	140	10	1000	3

## Neutral Bus Bar Bracket

Bracket for shield connection terminal blocks DSK



- Brackets for supporting bus bars

Development

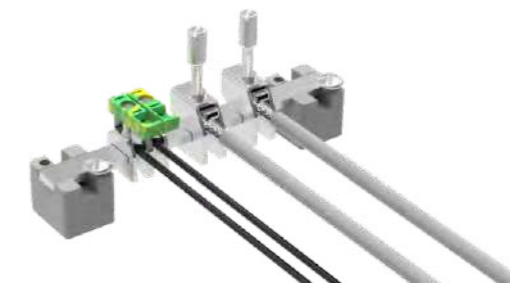
Technical Data				
Marking material	PA			
Flammability rating, acc.to UL 94	V0			
Material Data				
Description: Bracket, insulated, with set screws				
Color: Grey				
Type	Order NO.	Width(mm)	Length(mm)	Height(mm)
AB/DSS	/	19.4	23.4	21.7

## Shield Terminal

Screw-shaped shield connection terminals of the DSK series



- Easy to operate
- Knurled screw
- Spring loaded, large head area
- Suitable for direct mount and bus bar mount

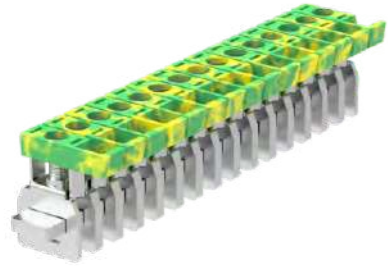


Development

Material Data				
Description: Shield terminal block				
Type	Order NO.	Installation location	Diameter(mm)	Tightening torque(Nm)
DSK	/	Install the shielded wire directly on the bus bar	2-5	0.4



## L/N/PE Terminal Block



■ Development

- Use with matching bus bars, suitable for switch cabinets and control equipment

Technical Data				
	DKG4	DKG16	DKG35	
Rated voltage(V)	300	300	300	
Rated current(A)	32	76	125	
Maximum load current(A)	41	76	125	
Thread	M4	M5	M6	
Tightening torque(N.m)	1.5-1.8	2.5-3	3.2-3.7	
Rated cross section(mm <sup>2</sup> )	4	16	35	
Stripping length(mm)	16	16	16	
Wiring capacity	Solid	0.5-6	1.5-16	2.5-35
	Stranded	0.5-4	1.5-16	2.5-35
	Ferrule with/without plastic sleeve	0.5-6	1.5-16	2.5-35
General parameters				
Insulation Materials	PA			
Flammability rating, acc.to UL 94	V2			

## Wire Slot



■ Development

- Provide the best solution for in-cabinet wiring

Technical Data		
Marking material	PC/ABS	
Temperature range(°C)	-40~90	
Flammability rating, acc.to UL 94	V0	
Ingredient	Halogen Free	
Material Data		
Description: Wire slot, 2 meters length		
Type	Order NO.	Specification
WD-ZH	/	1 bar= 2m

## Customized

### Marker customization

DEGSON markers (ZB, ZK, WB series), can match the DIN Rail terminal blocks, clearly identify the wiring, can customize the color and marking content on request, realize the flexible marking of the DIN Rail terminal blocks, you can contact the sales staff if you have relevant requirements.

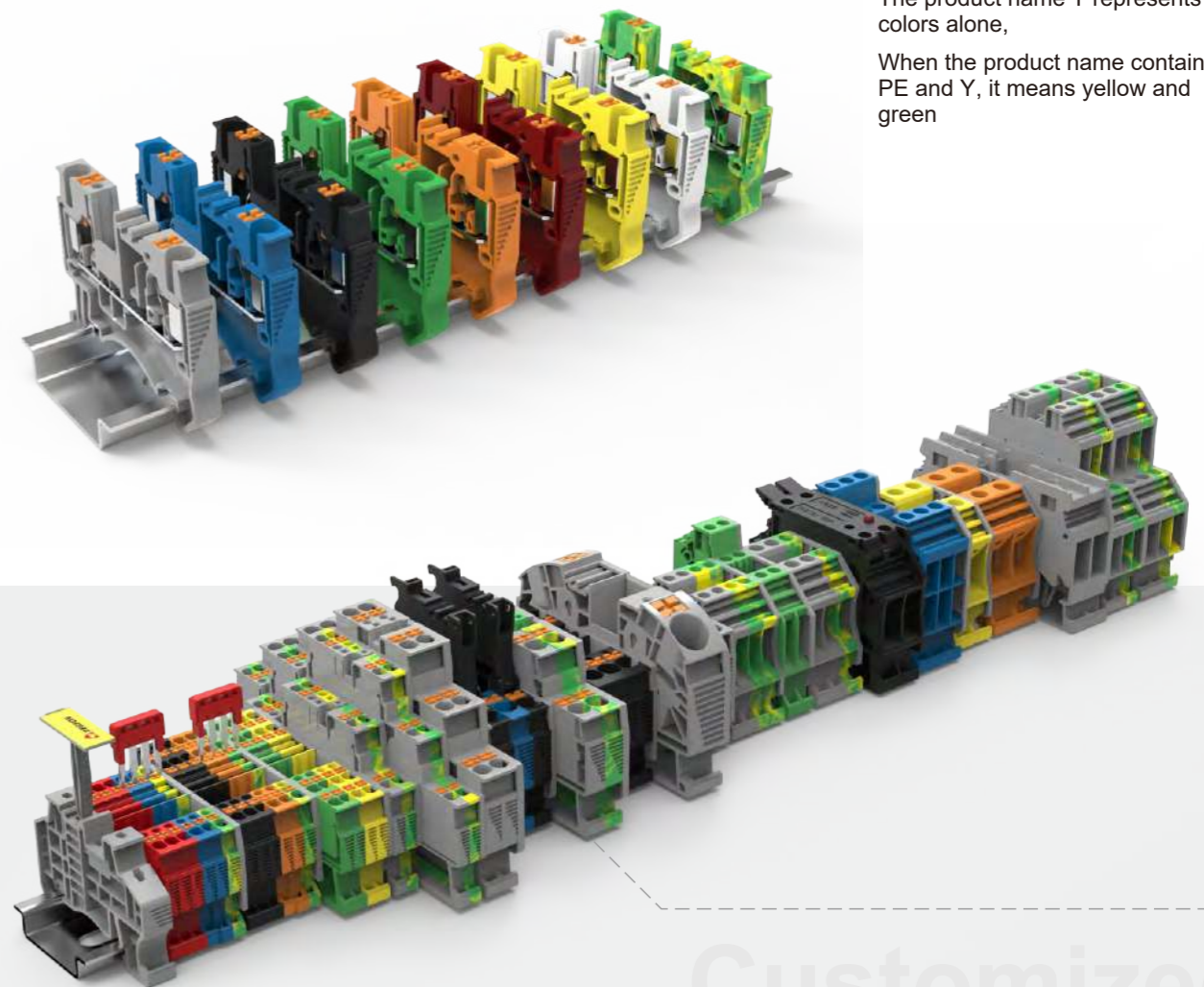


### DIN Rail terminal blocks customization

DEGSON DIN Rail terminal blocks, which can flexibly realize stable connection of on-site circuits, and can customize product color, printing, and printing color according to the actual needs of customers. There are 9 common colors to choose from. Can also make minor modifications of products on request, flexibly match on-site needs, please contact sales personnel if you have relevant needs.

- |   |  |                          |
|---|--|--------------------------|
| 1 |  | Grey                     |
| 2 |  | Blue                     |
| 3 |  | Black                    |
| 4 |  | Green                    |
| 5 |  | Orange                   |
| 6 |  | Red                      |
| 7 |  | Transparent              |
| 8 |  | Yellow                   |
| 9 |  | White                    |
| C |  | Yellow Green Mixed Color |

The product name Y represents all colors alone,  
When the product name contains PE and Y, it means yellow and green



Customized

Customized

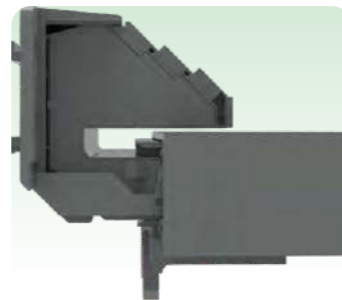
Customized

## Customized

### Drawer Terminal Block

#### Feature

- Push-in connection technology, convenient and efficient connection
- New and unique structure design, 45° input and 90° transfer, save installation space
- Modular output structure, easy to operate
- The main body and drawer base are assembled by modules splicing
- Spring limit structure with independent innovation can make sure connection stability
- 4 fixing holes on both sides



## Customized

### Push-in connection technology

Drawer Terminal Block



DS2.5PH-16P

DS2.5PH-24P

CE ENEC RoHS REACH

Dimensions									
Pitch	mm	10&11				10&11			
<b>Electrical Data</b>		IEC61984				IEC61984			
<b>Pollution degree</b>		2	2	3	UL1059	2	2	3	UL1059
<b>Overvoltage category</b>		II	III	III		II	III	III	
Rated voltage	V	630	320	250	300	630	320	250	300
Rated current	A	20			13	20			13
Wire range	mm <sup>2</sup> /AWG	0.2-2.5			24-14	0.2-2.5			24-14
Rated surge voltage	KV	4				4			
Connection capacity		Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup>	0.2-2.5	0.2-2.5	0.2-1.5	0.2-1.5	0.2-2.5	0.2-2.5	0.2-1.5	0.2-1.5
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup>	—	—	—	—	—	—	—	—
<b>General information</b>									
Insulation material/Flammability rating(according to UL 94)		PA/V0 PC/V2				PA/V0 PC/V2			
Operation temperature	°C ( °F )	-40(-40)~80(176)				-40(-40)~80(176)			
Stripping length	mm	14				14			
Color		Gray (customization demand is available)				Gray (customization demand is available)			
Slotted screwdriver size (Blade thickness x Width) mm		0.6x3.5				0.6x3.5			
loop number		57				84			



## Customized

### Spring-cage connection technology

Feed-through, multi-conductor and ground terminal blocks



**WS1.5-SD**

CE ENEC RoHS REACH

<b>Order NO.</b>	11030000071			
Width/Length/Height(NS35/7.5&NS35/15) mm	4/42.5/38(45.5)			
<b>Electrical Data</b>	IEC IEC60947-7-1	UL UL1059		
Rated voltage V	800	600		
Rated current A	18	10		
Rated cross section mm <sup>2</sup> /AWG	0.2-1.5	28-16		
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor mm <sup>2</sup>	0.2-1.5	0.2-1.5	0.2-1.5	0.2-1
2 flexible conductors with a TWIN ferrule mm <sup>2</sup>	—	—	—	0.5
<b>General Information</b>				
Insulation material/Flammability rating (according to UL 94)	PA/V0			
Operation temperatures °C ( °F )	-40(-40)~105(221)			
Stripping length mm	8-9			
Color	Grey, Red, Blue (please contact sales for other color requirements)			
<b>Accessories</b>				
Ferrule	/			
Slotted screwdriver size (Blade thickness x Width) mm	0.4x2.5			
Adjacent jumper (2P)	/			
Alternate jumper (2P)	/			
Staggered jumper (2P)	/			
End cover	D-WS1.5-SD			
Partition plate	/			
Top marker	/			
Side marker	ZB4 / WB4			
Warning cover	EEA1.5			
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	E-PC 1100A / E-WS N			

## Customized

### Spring-cage connection technology

Feed-through, multi-conductor and ground terminal blocks



**WS2.5-SD**

CE ENEC RoHS REACH



**WS2.5-SD-PE**

CE ENEC RoHS REACH

<b>Order NO.</b>	11030000195				11030000196			
Width/Length/Height(NS35/7.5&NS35/15) mm	5/42.5/38(45.5)				5/42.5/38(45.5)			
<b>Electrical Data</b>	IEC IEC60947-7-1	UL UL1059		IEC IEC60947-7-2	UL UL1059			
Rated voltage V	800	600		/	/			
Rated current A	24	15		/	/			
Rated cross section mm <sup>2</sup> /AWG	0.2-2.5	28-12		0.2-2.5	28-12			
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor mm <sup>2</sup>	0.2-2.5	0.2-2.5	0.2-2.5	0.2-1.5	0.2-2.5	0.2-2.5	0.2-2.5	0.2-1.5
2 flexible conductors with a TWIN ferrule mm <sup>2</sup>	—	—	0.5	—	—	—	—	0.5
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures °C ( °F )	-40(-40)~105(221)				-40(-40)~105(221)			
Stripping length mm	8-9				8-9			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Green-yellow			
<b>Accessories</b>								
Ferrule	/				/			
Slotted screwdriver size (Blade thickness x Width) mm	0.5x3.5				0.5x3.5			
Adjacent jumper (2P)	WFA2.5				/			
Alternate jumper (2P)	WFB2.5				/			
Staggered jumper (2P)	WFC2.5-2 WFC2.5-6	WFC2.5-3 WFC2.5-7	WFC2.5-4 WFC2.5-8	WFC2.5-5	/			
End cover	D-WS2.5-SD				D-WS2.5-SD			
Partition plate	/				/			
Top marker	ZB5 / WB5				ZB5 / WB5			
Side marker	DEK5				DEK5			
Warning cover	EEA2.5				EEA2.5			
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			

## Customized

### Spring-cage connection technology

Feed-through, multi-conductor and ground terminal blocks



**WS4-SD**

UL US CE ENEC RoHS REACH

<b>Order NO.</b>	11030000295			
Width/Length/Height(NS35/7.5&NS35/15) mm	6/41.8/40(47.5)			
<b>Electrical Data</b>	IEC IEC60947-7-1	UL UL1059		
Rated voltage V	800	600		
Rated current A	32	20		
Rated cross section mm <sup>2</sup> /AWG	0.2-4	28-12		
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor mm <sup>2</sup>	0.2-4	0.2-4	0.2-4	0.2-4
2 flexible conductors with a TWIN ferrule mm <sup>2</sup>	—	—	—	0.5
<b>General Information</b>				
Insulation material/Flammability rating (according to UL 94)	PA/V0			
Operation temperatures °C ( °F )	-40(-40)~105(221)			
Stripping length mm	11-12			
Color	Grey, Red, Blue (please contact sales for other color requirements)			
<b>Accessories</b>				
Ferrule	/			
Slotted screwdriver size (Blade thickness x Width) mm	0.5x3.5			
Adjacent jumper (2P)	WFA4			
Alternate jumper (2P)	WFB4			
Staggered jumper (2P)	/			
End cover	D-WS4-SD			
Partition plate	/			
Top marker	/			
Side marker	ZB6			
Warning cover	EEA4			
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	E-PC 1100A / E-WS N			

## Customized

### Spring-cage connection technology

Feed-through, multi-conductor and ground terminal blocks



**WS6-SD**

UL US CE ENEC RoHS REACH



**WS6-SD-PE**

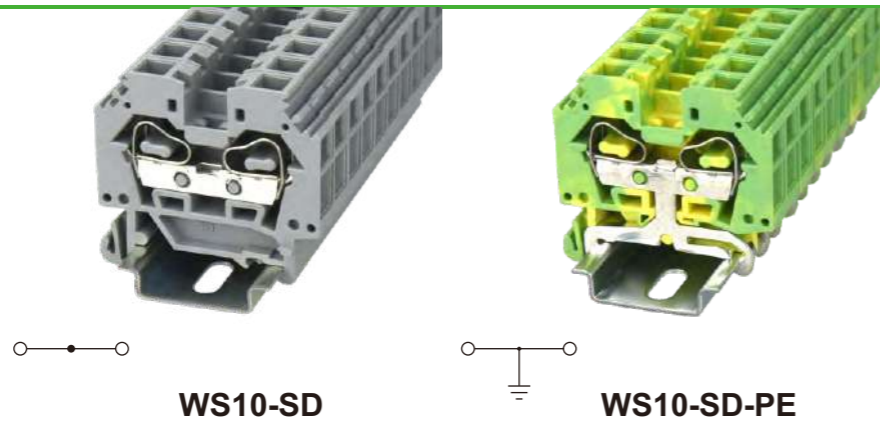
CE ENEC RoHS REACH

<b>Order NO.</b>	11030000315				11030000319			
Width/Length/Height(NS35/7.5&NS35/15) mm	8/46.5/44.5(52)				8/46.5/44.5(52)			
<b>Electrical Data</b>	IEC IEC60947-7-1	UL UL1059			IEC IEC60947-7-2	UL UL1059		
Rated voltage V	800	600	/		/	/		
Rated current A	32	30	/		/	/		
Rated cross section mm <sup>2</sup> /AWG	0.2-6	24-10			0.2-6	24-10		
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor mm <sup>2</sup>	0.2-6	0.2-6	0.2-6	0.2-6	0.2-6	0.2-6	0.2-6	0.2-6
2 flexible conductors with a TWIN ferrule mm <sup>2</sup>	—	—	—	0.5-2.5	—	—	—	0.5-2.5
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures °C ( °F )	-40(-40)~105(221)				-40(-40)~105(221)			
Stripping length mm	9-10				9-10			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Green-yellow			
<b>Accessories</b>								
Ferrule	/				/			
Slotted screwdriver size (Blade thickness x Width) mm	0.8x5.5				0.8x5.5			
Adjacent jumper (2P)	WFA6				/			
Alternate jumper (2P)	WFB6				/			
Staggered jumper (2P)	/				/			
End cover	D-WS6-SD				D-WS6-SD			
Partition plate	/				/			
Top marker	/				/			
Side marker	ZB8				ZB8			
Warning cover	EEA6				EEA6			
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			

## Customized

### Spring-cage connection technology

Feed-through, multi-conductor and ground terminal blocks



CE ENEC RoHS REACH

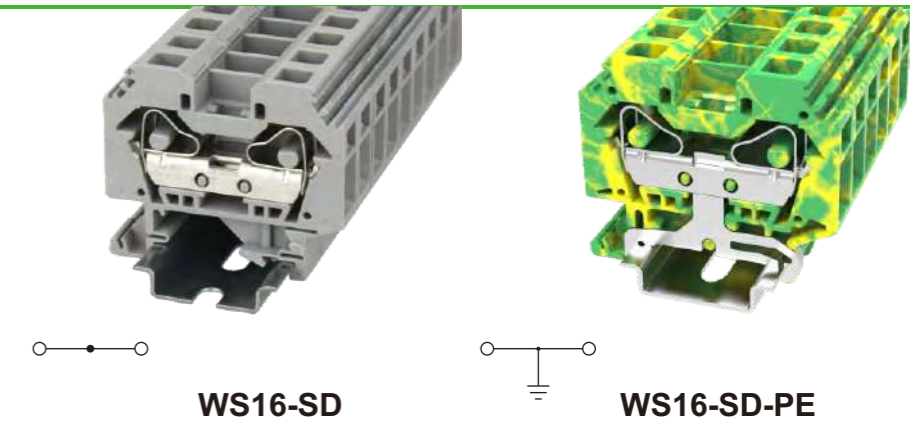
CE ENEC RoHS REACH

Order NO.	11030000021				11030000022			
Width/Length/Height(NS35/7.5&NS35/15) mm	10/52/49(56.5)				10/52/49(56.5)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059	
Rated voltage V	800		600		/		/	
Rated current A	57		50		/		/	
Rated cross section mm <sup>2</sup> /AWG	0.2-10		24-8		0.2-6		24-10	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor mm <sup>2</sup>	0.2-10	0.2-10	0.2-10	0.2-10	0.2-10	0.2-10	0.2-10	0.2-10
2 flexible conductors with a TWIN ferrule mm <sup>2</sup>	—	—	—	0.5-4	—	—	—	0.5-4
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures °C ( °F )	-40(-40)~105(221)				-40(-40)~105(221)			
Stripping length mm	13-14				13-14			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Green-yellow			
<b>Accessories</b>								
Ferrule	/				/			
Slotted screwdriver size (Blade thickness x Width) mm	0.8x5.5				0.8x5.5			
Adjacent jumper (2P)	WFA10				/			
Alternate jumper (2P)	WFB10				/			
Staggered jumper (2P)	/				/			
End cover	D-WS10-SD				D-WS10-SD			
Partition plate	/				/			
Top marker	ZB10				ZB10			
Side marker	/				/			
Warning cover	EEA10				EEA10			
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			

## Customized

### Spring-cage connection technology

Feed-through, multi-conductor and ground terminal blocks



CE ENEC RoHS REACH

CE ENEC RoHS REACH

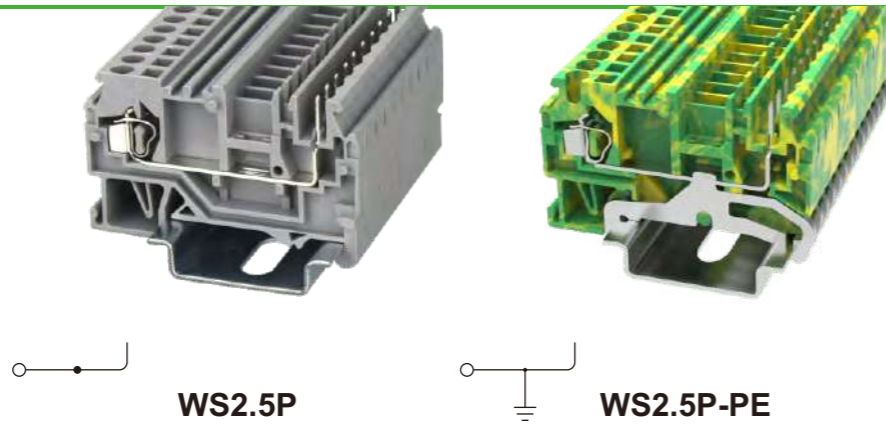
Order NO.	11030000086				11030000088			
Width/Length/Height(NS35/7.5&NS35/15) mm	12/58/52.6(60.1)				12/58/52.6(60.1)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059	
Rated voltage V	800		600		/		/	
Rated current A	76		66		/		/	
Rated cross section mm <sup>2</sup> /AWG	0.2-16		24-6		0.2-16		24-6	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor mm <sup>2</sup>	0.2-16	0.2-16	0.2-16	0.2-10	0.2-16	0.2-16	0.2-16	0.2-10
2 flexible conductors with a TWIN ferrule mm <sup>2</sup>	—	—	—	0.5-6	—	—	—	0.5-6
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures °C ( °F )	-40(-40)~105(221)				-40(-40)~105(221)			
Stripping length mm	16-17				16-17			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Green-yellow			
<b>Accessories</b>								
Ferrule	/				/			
Slotted screwdriver size (Blade thickness x Width) mm	0.8x5.5				0.8x5.5			
Adjacent jumper (2P)	WFA16				/			
Alternate jumper (2P)	WFB16				/			
Staggered jumper (2P)	/				/			
End cover	D-WS16-SD				D-WS16-SD			
Partition plate	/				/			
Top marker	ZT12				ZT12			
Side marker	/				/			
Warning cover	EEA16				EEA16			
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			



## Customized

### Spring-cage connection technology

Plug-in connection and its ground terminal blocks



**WS2.5P**



**WS2.5P-PE**

UL<sup>®</sup> CE ENEC RoHS REACH

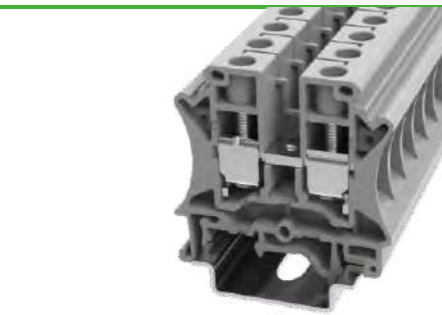
CE ENEC RoHS REACH

Order NO.	11030000167				11030000185			
Width/Length/Height(NS35/7.5&NS35/15)	mm 5/53/35.45(42.95)				mm 5/53/35.45(42.95)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059	
Rated voltage	V 500		300		/		/	
Rated current	A 22		15		/		/	
Rated cross section	mm <sup>2</sup> /AWG 0.2-2.5		28-14		0.2-2.5		28-14	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.2-2.5	0.2-2.5	0.2-2.5	0.2-2.5	0.2-2.5	0.2-2.5	0.2-2.5	0.2-2.5
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> -	-	-	0.5	-	-	-	0.5
<b>General Information</b>								
Insulation material/Flammability rating (according to UL 94)	PA/V0				PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)				-40(-40)~105(221)			
Stripping length	mm 11-12				11-12			
Color	Grey, Red, Blue (please contact sales for other color requirements)				Green-yellow			
<b>Accessories</b>								
Plug	8EDGK-5.0				8EDGK-5.0			
Coding star	/				/			
Ferrule	/				/			
Slotted screwdriver size (Blade thickness x Width)	mm 0.5x3.5				0.5x3.5			
Adjacent jumper (2P)	WFA2.5				/			
Alternate jumper (2P)	WFB2.5				/			
Staggered jumper (2P)	WFC2.5-2 WFC2.5-6 WFC2.5-3 WFC2.5-7 WFC2.5-4 WFC2.5-8 WFC2.5-5				/			
End cover	D-WS2.5P				D-WS2.5P			
Partition plate	/				/			
Top marker	ZB4 / WB5				ZB4 / WB5			
Side marker	DEK5				DEK5			
Warning cover	EEA2.5				EEA2.5			
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8				DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	E-PC 1100A / E-WS N				E-PC 1100A / E-WS N			

## Customized

### Screw connection technology

Feed-through terminal blocks



**PC10-105A(H)**

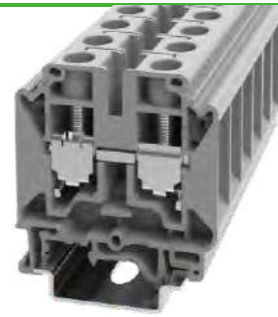
CE ENEC RoHS REACH

Order NO.	11010000008			
Width/Length/Height(NS35/7.5&NS35/15)	mm 10.2/48/48.5(56)			
<b>Electrical Data</b>	IEC IEC60947-7-1		UL UL1059	
Rated voltage	V 1000		600	
Rated current	A 57		65	
Rated cross section	mm <sup>2</sup> /AWG 0.5-10		20-6	
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm <sup>2</sup> 0.2-10	0.2-10	0.2-10	0.2-10
2 flexible conductors with a TWIN ferrule	mm <sup>2</sup> -	-	-	0.5-6
<b>General Information</b>				
Insulation material/Flammability rating (according to UL 94)	PA/V0			
Operation temperatures	°C ( °F ) -40(-40)~105(221)			
Stripping length	mm 9-10			
Color	Grey, Red, Blue (please contact sales for other color requirements)			
Screw/Rated torque	-/N.m(lb.in)(kgf.cm) M4/1.2(10.5)(12.24)			
<b>Accessories</b>				
Ferrule	/			
Slotted screwdriver size (Blade thickness x Width)	mm 1x4			
Fixed bridge(10P)	FBR10-10			
Insertion bridge (2-10P)	EB2-10 EB3-10 EB10-10			
End cover	D-PC10-105A(H)			
Separating disk	TS-K			
Partition plate	ATP-PC			
Marker	ZB10			
Marker support	/			
Terminal strip marker support	DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp	E-PC 1100A / E-WS N			

## Customized

### Screw connection technology

Feed-through terminal blocks



PC16-105A(H)

CE ENEC RoHS REACH

Order NO.	11010000167			
Width/Length/Height(NS35/7.5&NS35/15) mm	12.2/48.5/55.3(62.8)			
<b>Electrical Data</b>	IEC IEC60947-7-1	UL UL1059		
Rated voltage V	1000	600		
Rated current A	76	85		
Rated cross section mm <sup>2</sup> /AWG	1-16	16-4		
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor mm <sup>2</sup>	0.2-16	0.2-16	0.2-16	0.2-16
2 flexible conductors with a TWIN ferrule mm <sup>2</sup>	—	—	—	0.5-6
<b>General Information</b>				
Insulation material/Flammability rating (according to UL 94)	PA/V0			
Operation temperatures °C ( °F )	-40(-40)~105(221)			
Stripping length mm	13-14			
Color	Grey, Red, Blue (please contact sales for other color requirements)			
Screw/Rated torque -/N.m(lb.in)(kgf.cm)	M5/3(27)(30)			
<b>Accessories</b>				
Ferrule	/			
Slotted screwdriver size (Blade thickness x Width) mm	1x4			
Fixed bridge(10P)		FBRI10-12		
Insertion bridge (2-10P)		EB10-12		
End cover		D-PC16-105A(H)		
Separating disk		TS-K		
Partition plate		ATP-PC		
Marker		ZT12		
Marker support	/			
Terminal strip marker support		DLM2 / KLM3-20x8 / KLM3-44x8		
End clamp		E-PC 1100A / E-WS N		

## Customized

### Screw connection technology

Feed-through terminal blocks



PC35-105A(H)

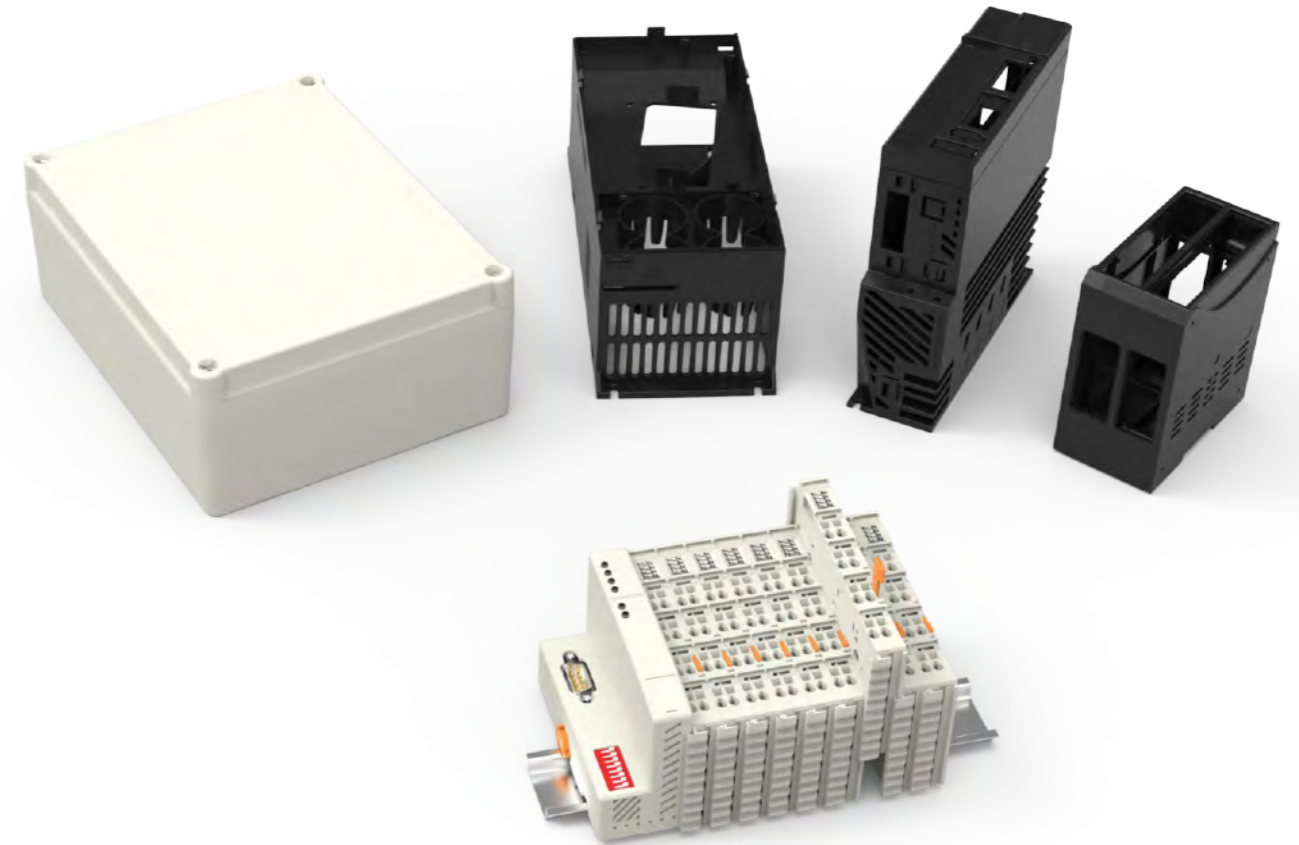
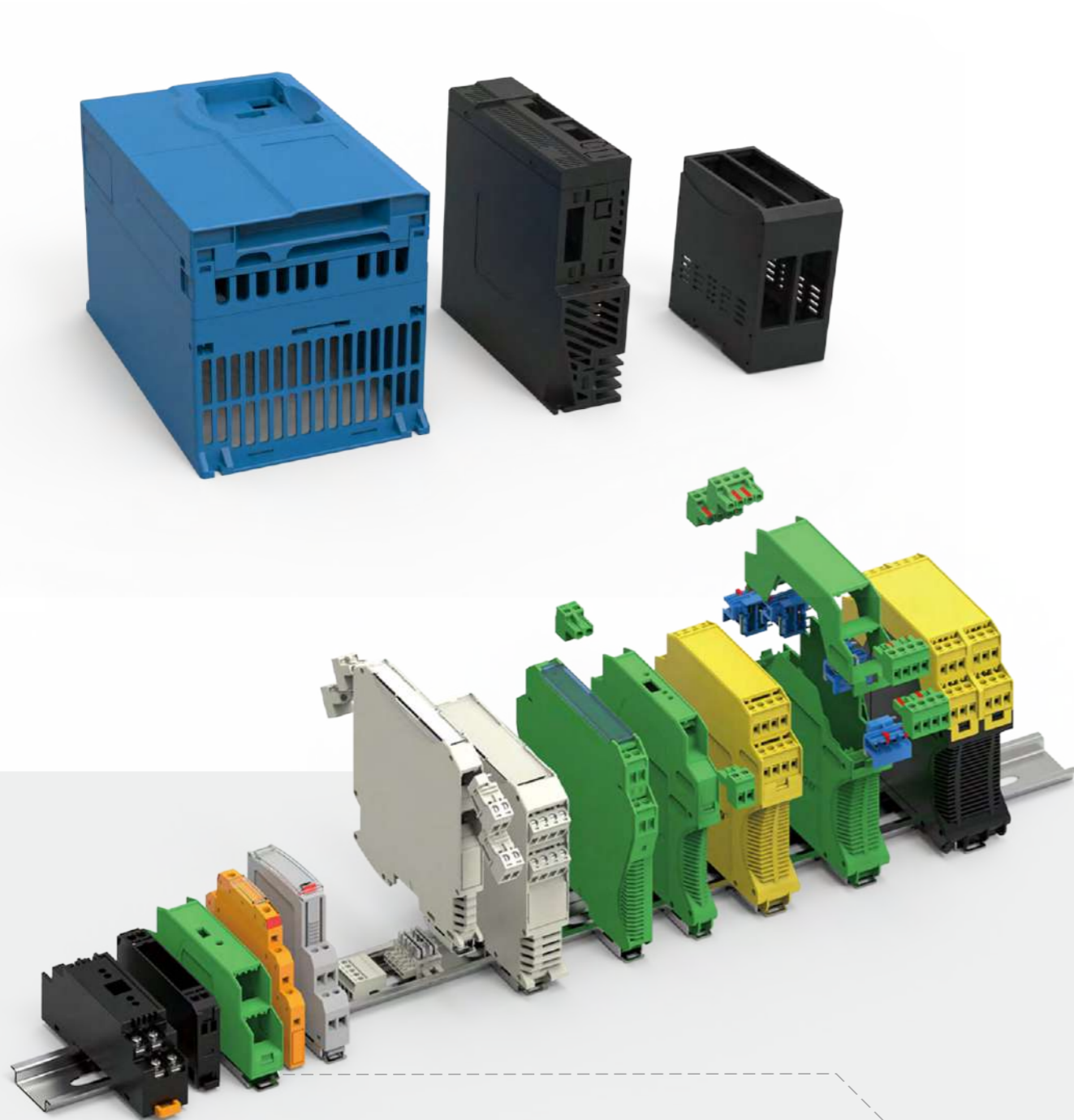
CE ENEC RoHS REACH

Order NO.	11010000064			
Width/Length/Height(NS35/7.5&NS35/15) mm	16.2/60/66.25(73.75)			
<b>Electrical Data</b>	IEC IEC60947-7-1	UL UL1059		
Rated voltage V	1000	600		
Rated current A	125	150		
Rated cross section mm <sup>2</sup> /AWG	0.5-35	14-1/0		
<b>Connection capacity</b>	Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor mm <sup>2</sup>	0.2-35	0.2-35	0.2-35	0.2-35
2 flexible conductors with a TWIN ferrule mm <sup>2</sup>	—	—	—	0.75-10
<b>General Information</b>				
Insulation material/Flammability rating (according to UL 94)	PA/V0			
Operation temperatures °C ( °F )	-40(-40)~105(221)			
Stripping length mm	15-16			
Color	Grey, Red, Blue (please contact sales for other color requirements)			
Screw/Rated torque -/N.m(lb.in)(kgf.cm)	M6/3.5(31)(35.7)			
<b>Accessories</b>				
Ferrule	/			
Slotted screwdriver size (Blade thickness x Width) mm	1x6.5			
Fixed bridge(10P)		FBRI12-16		
Insertion bridge (2-10P)	/			
End cover	/			
Separating disk		TS-K		
Partition plate	/			
Marker		ZT12		
Marker support	/			
Terminal strip marker support		DLM2 / KLM3-20x8 / KLM3-44x8		
End clamp		E-PC 1100A / E-WS N		

## Customized Housing Solutions

### Feature

- Customized enclosures, variety connection method
- Customized personalized products according to customer needs
- One-stop value-added service



### Customized Capabilities

- The professional team will provide all-round support from development, production, quality assurance to implementation.
- Early participation of suppliers, covering raw material selection, design for manufacturability (DFM), design of experiments (DOE), mold flow analysis, product prototyping, etc., shortening project time and reducing customer costs.
- High level and vertical integration, response to customer requirements quickly with its own mold workshop and processing, manufacturing equipments.
- Whole-process integrated value-added services, providing supporting services such as printing, painting, hot-melting, assembly, etc.
- Approved by ISO9001:2015, ISO14001:2015, has a complete quality control system and measurement system.



Integrated Services

Provide high quality, safe and reliable connection solutions for global clients.



R&D

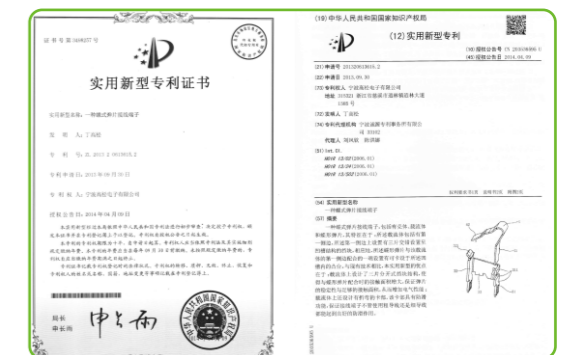
With more than 30 years' experience in terminal blocks and die-making, DEGSON has a team of experienced engineers. Our R&D department is equipped with advanced computer integrated manufacturing system (CIMS), which combines design, manufacturing and analysis into one system. We take part in international technical communication and cooperation activities frequently, and provide customers with complete technical solution on products development and manufacture. Our R&D team has a lot of experience with the manufacture of thousands of precise moulds; meanwhile, we are keeping on making innovations, challenging the diversified high precision parts manufacture and trying to create advanced precision mould. Customized product design and 3D printing samples are available.



Technical discussion



China, European Invention Patent Certificate



Chinese Utility Model Patent Certificate



**Tooling Making**

**TOOLING-MAKING TECHNOLOGY AND ENGINEERING CAPABILITIES**

Strong die-making ability, modular mould design, we can quickly finish the die-making and provide samples to our customers. DEGSON are well-equipped with advanced Japanese Sodick slow-feeding wire-cut machines, Japanese Mitsubishi EDM, grinding and milling machines etc., Nearly 100 sets of top machines for die-making. We have experienced engineers for tooling design, tooling assembly, tooling debugging. We produce more than 800 sets of all kinds of precision tooling per year.



Sodick low speed wire cutting machines(11 sets)



Medium speed wire cutting machines(11 sets)



Mitsubishi EDM machines(14 sets)



CNC machining centers(8 sets)

**Tooling Quality Control**

**MOULD QUALITY CONTROL**

We have more than a dozen set of precision testing equipments such as 3D measuring instrument, high-precision projector, high-precision height gauge. We have strict control of each process starting from material choosing, die processing, thermal treatment, machining to die assembly and die trial. Every tooling part has been strictly inspected before assembling.



High-precision milling machines (9 sets)



High precision surface grinding machines (30 sets)



Laser marking machine (2 sets)



Three coordinate measuring device (1 set)



High-precision projector (12 sets)



**Precise Stamping**

**STAMPING&PUNCHING CAPACITY**

Our company has 40 sets of high speed stamping & punching machines , with processing capacity ranging from 10 to110 tons. We use progressive die which allows all operations to be performed in one single die, high efficiency and precision. We can stamp various materials including, brass, phosphor bronze, beryllium copper, Alpaka , stainless steel and so on.



Turning machies

Automatic (spring) forming machines



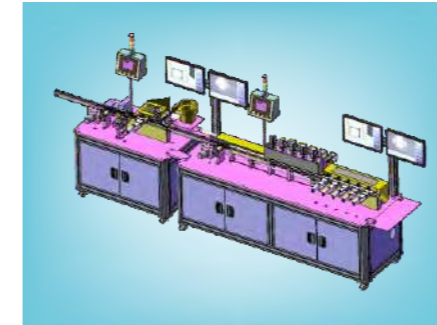
Precise plastic injection machines



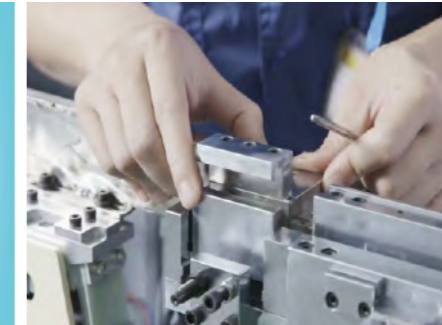
Precise high speed stamping machines

**Automatic Manufacturing, Production**

45 engineers responsible for automatic equipments hardware and software , fully independent automation equipments development.



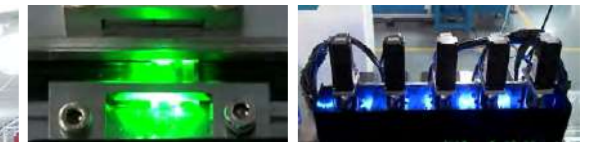
Equipments R&D



Hardware



Software



Automatic assembly accounts for 80% of our production, with nearly 300 sets equipments to improve product consistency, automatic inspection and fast delivery.



Manual assembly lines to meet customer diversified customized requirements.



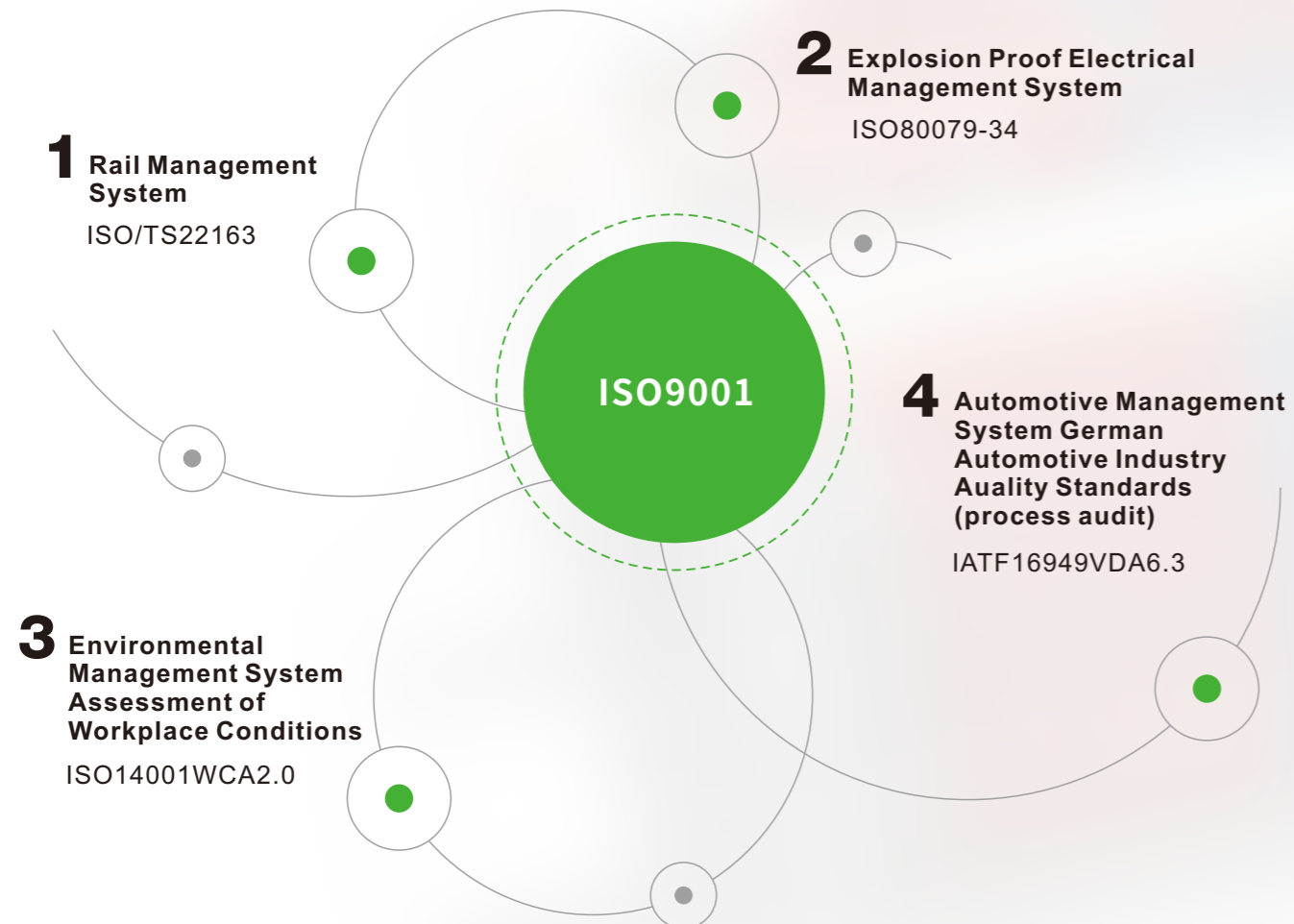
EV Charger automatic assembly lines.



# Testing standard of DIN Rail terminal blocks

## Quality Core Factors

The quality core factors coming from different industries and fields are important standards and specifications for product and process control



## Certification Bodies And Safety Signs

Product certification is an internationally accepted product quality assurance model, and it is an inevitable choice to be in line with international standards to improve product credibility.



## Certification For Special Fields

DIN-rail terminal blocks have passed tests that require more than basic standards and are therefore suitable for use in a variety of industries, including electricity, rail, process control, chemical, petrochemical, and shipbuilding

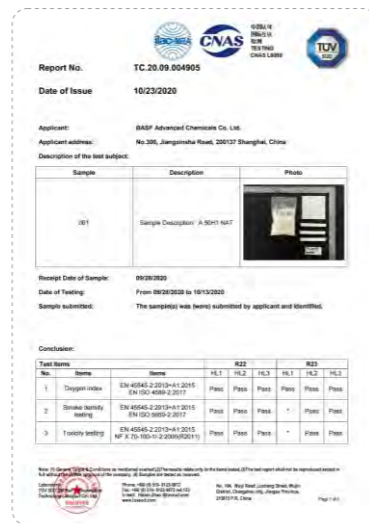
### Electricity

Consistent confirmation by a nationally recognized professional laboratory for electricity field



### Rail Transit

ISO/TS22163 quality system requires that product performance conforms to IEC61373, IEC60068-2-27 anti-vibration shock requirement, EN45545-2, R22, R23 requirements, and VOC environmental requirements



### Petroleum & Chemical

ISO80079-34 Explosion Proof Electrical Management System requires products must meet the certification requirements of IECEX, ATEX, 3C



## IECEX,ATEX and 3C: Globally Applicable Explosion Proof Standards

DEGSON's terminal blocks have obtained the IECEX and ATEX certificates issued by the EU-authorized test center (TI, CQM ) based on the IEC/EN60079-7 standard, which can meet the requirements of increased safety Ex eb or Ex ec protection requirements, suitable for installation in the wiring space of explosion-proof zone 2, especially explosion-proof zone 1

Increased safety (Ex eb) terminal blocks can be divided into the following categories

- Push-in DS Series Din Tail Terminal Blocks
- Screw PC/DC Series Din Tail Terminal Blocks
- Spring cage WS Series Din Tail Terminal Blocks
- Mini spring cage WS Series Din Tail Terminal Blocks

Increased safety (Ex ec) type terminals, suitable for explosion-proof zone 2, can be divided into the following categories

- Push-in DS Series Din Tail Terminal Blocks
- Screw PC/DC Series Din Tail Terminal Blocks
- Fuse din rial terminal blocks
- Test disconnect din rial terminal blocks

The above technical parameters in accordance with IEC/EN 60079

Marking according to ATEX Directive 2014/34/EU	
Manufacturer or trademark	
Certification body number	NB1354
Device group	II
Device category	2
Operating environment (°C)	-55~110
Gas	G

Labeled according to IEC/EN 60079-0 and IEC/EN 60079-7 for safety improvement	
Manufacturer or trademark	
Model description	DS,PC,WS,DC
Explosion Proof Abbreviation	Ex
Type of protection	eb , ec
Device group	II
Device Protection Level	Gb
Certification Body ID	CQM
ATEX certification number	Issued in July 2022
IECEX certification number	Issued in July 2022





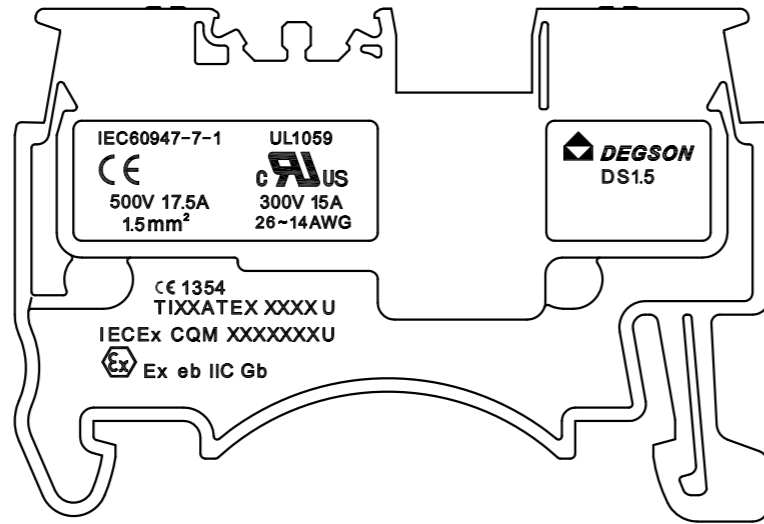
# IECEX, ATEX and 3C: Globally Applicable Explosion Protection Standards

## Din Rail Terminal Blocks Type Test Perform the following tests

- Type testing according to IEC 60947-7-1/-2
- Clearance and creepage test and insulation test
- Aging test
  - 1) Store at 95°C and 95% humidity for 14 days (336H)
  - 2) A further 14 days (336H) test is carried out under the condition that the dry heat condition reaches the TI value of the insulating material
  - 3) Store at -65°C for 24 hours followed by wire pull test

- Temperature-rise test
 

At 1.1 times the rated current, the temperature rise does not exceed 40K. These terminal blocks are fully tested in accordance with IEC/EN 60079 during factory processing, including insulation test



Terminal blocks components etc for use in explosion-proof areas must be marked as shown picture



Certificate indicates that the test was performed by the relevant accreditation body

# IEC60947-7-1/-2 Wiring Capacity

The design of the wire terminal must ensure that the wire of the rated cross-section can be reliably connected within the range of the rated wiring capacity. Available in Metric (mm<sup>2</sup>) or American (AWG)

Rated cross-sectional area = maximum cross-sectional area value of various connectable conductors (flexible, single-strand, and multi-strand), based on which specific thermal, mechanical, and electrical requirements are based

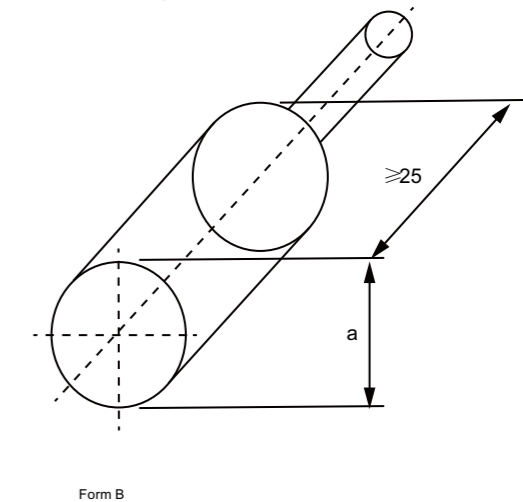
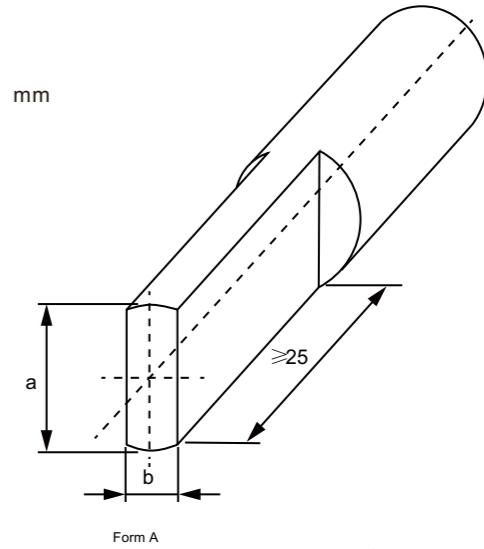
Definition of rated wiring capacity: maximum and minimum cross-sectional area (at least two grades difference) and the number of connectable wires, rail terminals are designed according to this wiring capacity

During the test, din rail terminal blocks connects conductors of rated cross-section within the rated wiring capacity. Alternatively, the nominal cross section can also be verified with a plug gauge (see attached drawing)

Wires and plug gauges must be capable of unrestricted insertion or access to the terminal

The rated cross section of DEGSON din rail terminals far exceeds the standard requirements. All series can be connected to conductors of rated cross section with ferrules and insulating sleeves due to rational design

Unit: mm



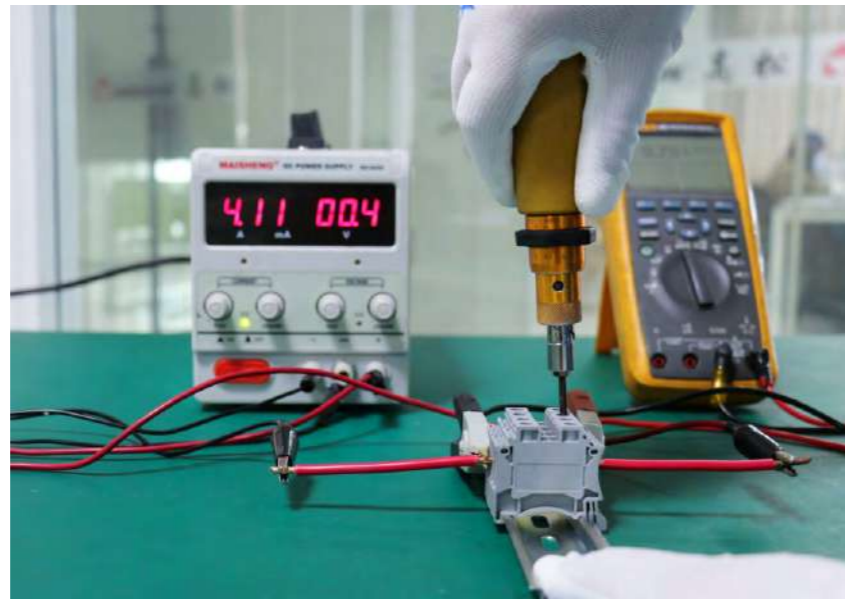
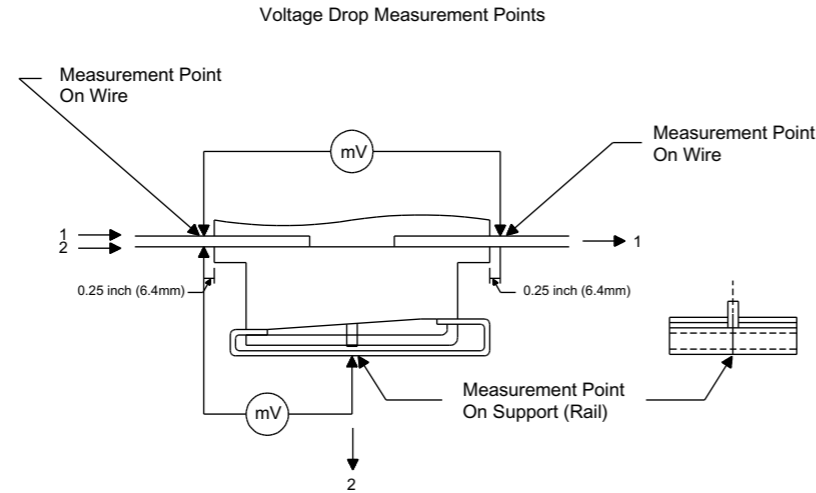
Type A and Type B plug gauges according to IEC 60947-1



## IEC60947-7-1/-2 Mechanical Strength

### Din Rail Terminal Torque Test

- Testing purposes:  
Verify screw connection product can withstand mechanical strength when it is locked
- Testing method:
  - Spring structure: Rigid conductors of rated cross-section are inserted 5 times into the two connection points of the five terminals and removed from them
  - Screw structure: Tighten the connection point to the torque specified by the manufacturer and then test 5 times
- Judgement standard:  
The connection points must be able to withstand repeated disconnections without appreciable damage. The voltage drop before and after the test shall not exceed 3.2mV, and the voltage after the test shall not exceed 1.5 times the value measured before the test
- Quality requirements:  
DEGSON terminal blocks can be dismantled many times, and the connection quality is not affected in any way. Depending on the connection technology, the number of connections and disconnections can be used repeatedly.



Din Rail Terminal Torque Test

## IEC60947-7-1/-2 Mechanical Strength

### Din Rail Terminal Blocks Rotational Pull Test

- Testing purposes:  
Check the firmness of the connecting wire of the terminal block
- Testing method:  
Conduct this test on rigid or flexible conductors of minimum, rated, and maximum cross-section. Connect the conductors to vertically fixed terminal blocks. Suspend a test weight at the end of the conductor, the weight of which corresponds to the conductor's cross-section. The wire passes through the opening 37.5mm away from the central axis of the turntable, 135 revolutions around the axis. After this is completed, perform a 1-minute wire-pull reinforcement test on the connection point
- Judgement standard:  
Do not fall off from the wiring hole, the sample is not damaged
- Quality requirements:  
DEGSON terminal blocks ensures that the conductors are protected in the crimping area, and neither the conductors nor the connection points will be damaged. The quality remains the same even after multiple crimping



Din Rail Terminal Blocks Rotational Pull Test



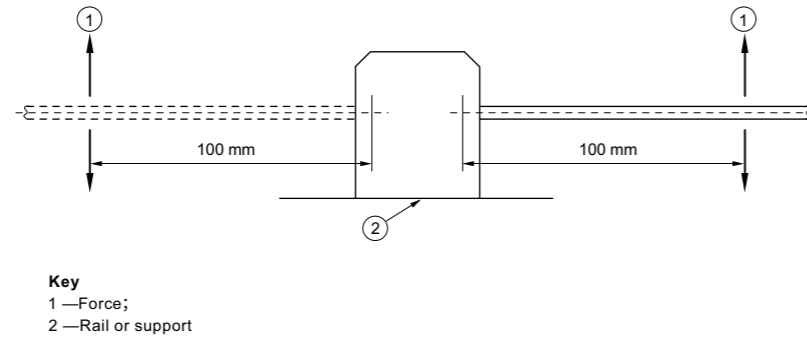
Din Rail Terminal Blocks Static Pull Test

Wire pull-out force complies with UL486E/IEC 60999/EN 60999																					
Wire diameter (AWG)	30	28	26	24	22	20	18	-	16	14	12	10	8	6	4	3	2	1	1/0	2/0	3/0
Area (mm <sup>2</sup> )	0.05	0.08	0.13	0.2	0.32	0.52	0.82	-	1.3	2.1	3.3	5.3	8.4	13.3	21.2	26.7	33.6	42.4	53.5	67.4	85
Diameter (mm)	0.25	0.32	0.41	0.5	0.64	0.81	1.02	-	1.29	1.63	2.05	2.3	3.27	4.12	5.2	5.83	6.54	7.37	8.26	9.27	10.4
Pull force (N)	2.2	4.5	8.9	13	20	30	30	-	40	50	60	80	90	94	133	156	186	235	285	285	351
Wire diameter (mm <sup>2</sup> )	-	-	-	0.2	-	0.5	0.75	1	1.5	2.5	4	6	10	16	25	-	35	-	50	70	95
Diameter (mm)	-	-	-	0.5	-	0.8	0.98	1.13	1.38	1.78	2.26	2.76	3.57	4.51	5.64	-	6.68	-	7.89	9.44	11
Pull force (N)	-	-	-	10	-	30	30	35	40	50	60	80	90	100	135	-	190	-	236	285	351

# IEC60947-7-1/-2 Mechanical Strength

## Test of din rail terminal blocks mounted on brackets

- Testing purposes: Verify that the terminal blocks can withstand a certain amount of force to prevent it from loosening from the bracket. Damage is also not allowed during test
- Testing method: Mount the terminal blocks on suitable brackets specified by the manufacturer. Clamp the 150mm long steel rod on the connection point, apply a certain tension and pressure (related to the cross section) on the connection position and the fixed position of the terminal, the length of the force arm is 100mm
- Judgement standard: During the test, the product must not loose from the mounting rail or bracket, and must not have any other damage
- Quality requirements: DEGSON terminal blocks ensures that the conductors are protected in the crimping area, and neither the conductors nor the terminals will be damaged. The quality remains the same even after multiple crimping



Wire diameter (mm <sup>2</sup> )	0.2	0.5	0.75	1	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240	300
Wire diameter (AWG/kcmil)	24	20	18	-	16	14	12	10	8	6	4	2	1/0	2/0	3/0	250	300	350	500	600
Force (N)	1							5			10			15			20			
Diameter (mm)	1							2.8			5.7			12.8			20.5			

# IEC60947-7-1, UL1059 Air Clearances And Creepage Distances

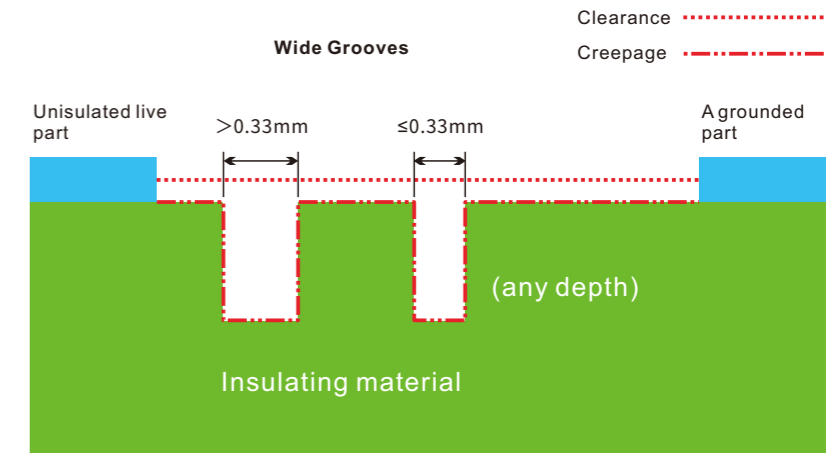
## Din rail terminal blocks clearance and creepage distance test

- Testing purposes: The distance of clearance and creepage must ensure efficient and durable electrical insulation
  - Application
  - Pollution degree
  - Material Group
- Test method:
  - Clearance: the shortest straight-line distance between two conductors in the air. The size of the electrical clearance must be based on the maximum possible impulse withstand voltage (see figure)
  - Creepage: the shortest distance between the two conductors on the surface of the insulator. The rated voltage, pollution degree and insulating material of the terminals have important influence on determining the minimum creepage distance (see figure)

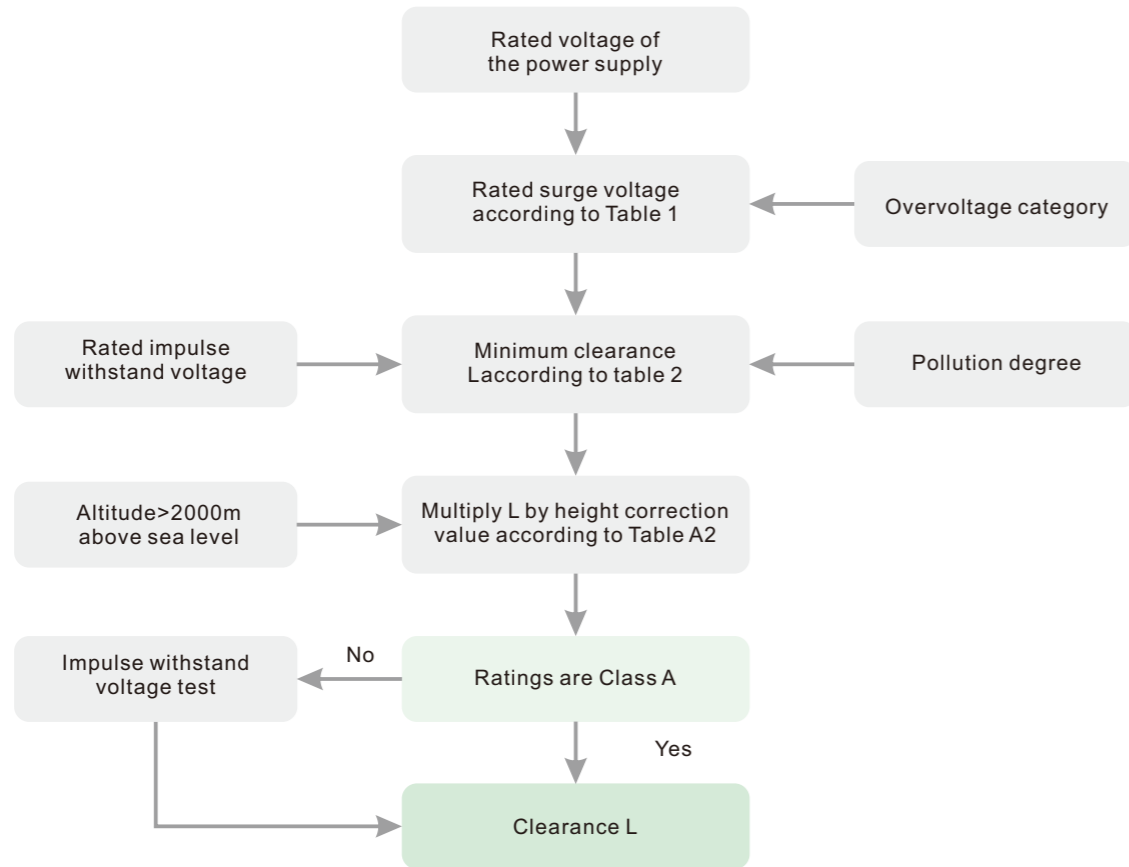
- Judgement standard: Meet the standard range values determined by IEC60947 and UL1059
- Quality requirements: DEGSON terminal blocks are all in accordance with the requirements of IEC overvoltage class III and pollution degree 3; UL1059 terminals are usually designed according to the rated voltage in group B

Minimum acceptable spacings				
Application	Potential involved in volts	Minimum spacings in inches (mm) between uninsulated live parts of opposite polarity; and between an uninsulated live part and a grounded part including any mounting surface or exposed metal part		
		Through air		Over surface
A. Service - including dead-front switchboards, panelboards, service equipment, and the like	51-150	1/2	(12.7)	3/4 (19.1)
	151-300	3/4	(19.1)	1-1/4 (31.8)
	301-600	1	(25.4)	2 (50.8)
B. Commercial appliances, including business equipment, electronic data processing equipment, and the like	51-150	1/16 <sup>a</sup>	(1.6) <sup>a</sup>	1/16 <sup>a</sup> (1.6) <sup>a</sup>
	151-300	3/32 <sup>a</sup>	(2.4) <sup>a</sup>	3/32 <sup>a</sup> (2.4) <sup>a</sup>
	301-600	3/8	(9.5)	1/2 (12.7)
C. Industrial, general	51-150	1/8 <sup>a</sup>	(3.2) <sup>a</sup>	1/4 (6.4)
	151-300	1/4	(6.4)	3/8 (9.5)
D. Industrial, devices having limited ratings	301-600	3/8	(9.5)	1/2 (12.7)
	51-300	1/16 <sup>a</sup>	(1.6) <sup>a</sup>	1/8 <sup>a</sup> (3.2) <sup>a</sup>
	301-600	3/16 <sup>a</sup>	(4.8) <sup>a</sup>	3/8 (9.5)
E. Terminal blocks rated 601-1500 V	601-1000	0.55	(14.0)	0.85 (21.6)
	1001-1500	0.70	(17.8)	1.20 (30.5)
F.	Industrial, devices using the alternative approach to spacings	51-1500	As Determined By Evaluation	

NOTES -  
1) A slot, groove, or similar spacing, 0.013 inch (0.33mm) wide or less in the contour of insulating material is to be disregarded.  
2) An air space of 0.013 inch (0.33mm) or less between a live part and an insulating surface is to be disregarded for the purpose of measuring over surface spacings.  
<sup>a</sup> The spacing between field wiring terminals of opposite polarity and the spacing between a field wiring terminal and a grounded dead metal part shall not be less than 1/4 inch (6.4mm) if short-circuiting or grounding of such terminals may result from projecting strands of wire. Examples of means that prevent stray wire strand contact include rating the terminal block for solid wire only, and design features such as recessed terminal pockets.



# IEC60664-1 Methods of Determining Electrical Clearances



Rated surge voltage value of equipment directly powered by low-voltage grid						
Nominal voltage of the power supply system <sup>①</sup> (mains) as per IEC 60038 <sup>②</sup>		Conductor-neutral conductor voltage derived from the total nominal AC voltage or nominal DC voltage [V]	Rated surge voltage <sup>③</sup> [V] Overvoltage category <sup>④</sup>			
Three phase [V]	Single phase [V]		I	II	III	IV
		50	330	500	800	1500
		100	500	800	1500	2500
	120 to 240	150	800	1500	2500	4000
230/400	277/480	300	1500	2500	4000	6000
	400/690	600	2500	4000	6000	8000
	1000	1000	4000	6000	8000	12000

- ① For the application of the existing offset low voltage grid and its rated voltage, please refer to
- ② Equipment with this rated surge voltage value according to IEC60364-4-443 can be used in the system
- ③ A slash (/) indicates a three-phase four-conductor system. The lower value represents the voltage between conductor and neutral, while the upper value represents the voltage between conductor and conductor. If only one value is specified, it represents the conductor-to-conductor voltage of a three-phase three-conductor system
- ④ For a description of overvoltage categories, please refer to the Electrical Insulation Characteristics chapter

# IEC60664-1 Methods of Determining Electrical Clearances

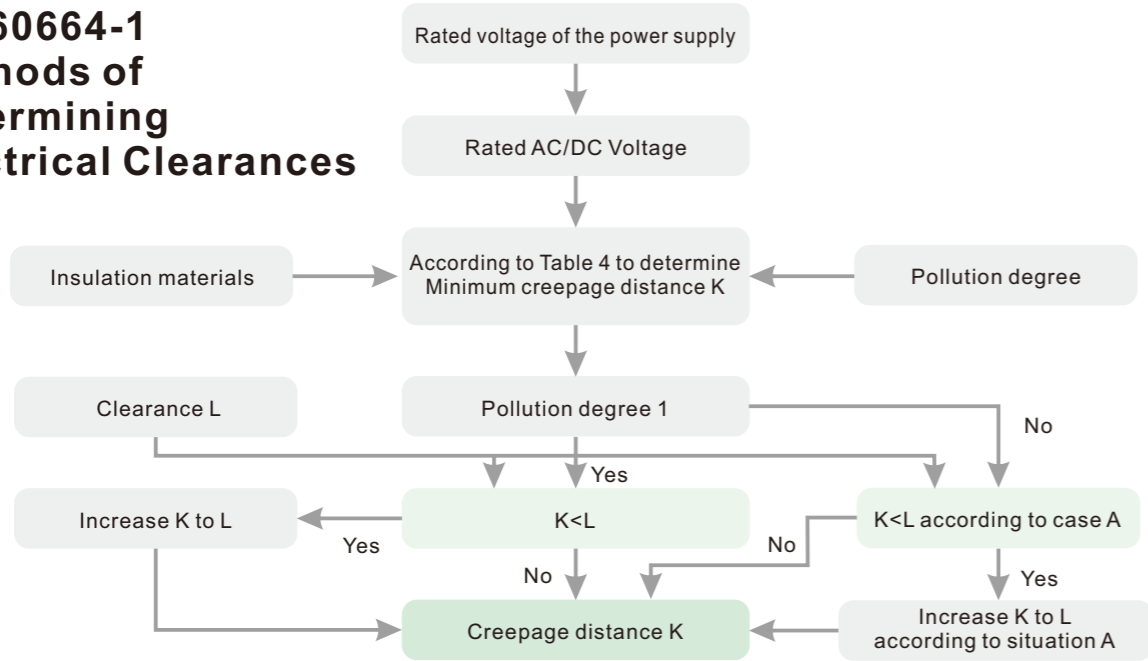
Altitude correction value		
Altitude [m]	Normal air pressure [kPa]	Gap correction factor
2000	80.0	1.00
3000	70.0	1.14
4000	62.0	1.29
5000	54.0	1.48
6000	47.0	1.70
7000	41.0	1.95
8000	35.5	2.25
9000	30.5	2.62
10000	26.5	3.02
15000	12.0	6.67
20000	5.5	14.50

Minimum electrical clearance						
Rated impulse withstand voltage value  [KV]	Case A Non-uniform electric field (refer to 3.15)			Case B Uniform electric field (refer to 3.14)		
	Pollution degree <sup>⑤</sup>			Pollution degree <sup>⑤</sup>		
	1 [mm]	2 [mm]	3 [mm]	1 [mm]	2 [mm]	3 [mm]
0.33 <sup>②</sup>	0.01	0.2 <sup>③④</sup>	0.8 <sup>③</sup>	0.01	0.2 <sup>③④</sup>	0.8 <sup>③</sup>
0.40	0.02			0.02		
0.5 <sup>②</sup>	0.04			0.04		
0.60	0.06			0.06		
0.80 <sup>②</sup>	0.10			0.10		
1.0	0.15	0.25	1.0	0.15	0.3	0.8 <sup>③</sup>
1.2	0.25			0.2		
1.5 <sup>②</sup>	0.5	0.5	1.0	0.3	0.3	0.8 <sup>③</sup>
2.0	1.0	1.0	1.0	0.45	0.45	
2.5 <sup>②</sup>	1.5	1.5	1.5	0.6	0.6	0.8 <sup>③</sup>
3.0	2.0	2.0	2.0	0.8	0.8	
4.0 <sup>②</sup>	3	3	3	1.2	1.2	1.2
5.0	4	4	4	1.5	1.5	1.5
6.0 <sup>②</sup>	5.5	5.5	5.5	2	2	2
8.0 <sup>②</sup>	8	8	8	3	3	3
10	11	11	11	3.5	3.5	3.5
12 <sup>②</sup>	14	14	14	4.5	4.5	4.5
15	18	18	18	5.5	5.5	5.5
20	25	25	25	8	8	8
25	33	33	33	10	10	10
30	40	40	40	12.5	12.5	12.5
40	60	60	60	17	17	17
50	75	75	75	22	22	22
60	90	90	90	27	27	27
80	130	130	130	35	35	35
100	170	170	170	45	45	45

- ① The impulse withstand voltage:  
- For functional insulation, the maximum surge voltage of the clearance  
- For basic insulation, the rated surge voltage value of equipment affected by direct or substantial transient overvoltages from the low-voltage grid  
- For different basic insulation, the highest possible surge voltage in the circuit.
- ② Priority value
- ③ The values for pollution degree 1 apply to the PCB, but only within 0.04mm of the values specified in Table 4 are allowed
- ④ The minimum clearances for pollution degrees 2 and 3 are based on the corresponding creepage distances. This resistance decreases due to humidity
- ⑤ These values can be adjusted appropriately for components or circuits inside the equipment that are affected by surge voltages
- ⑥ The value corresponding to pollution degree 4 is equal to the value corresponding to pollution degree 3, except that the minimum electrical clearance is 1.6mm



# IEC60664-1 Methods of Determining Electrical Clearances



Creepage distance set to prevent faults caused by creepage

Voltage RMS <sup>①</sup>	Minimum creepage distance									
	PCB		Pollution degree							
	Pollution degree		1			2			3	
	All Insulation Material Categories	All insulating material classes except class III b	Insulation material category			Insulation material category			Insulation material category	
[V]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
10	0.025	0.04	0.08	0.4	0.4	0.4	1.00	1.00	1.00	
12.5	0.025	0.04	0.09	0.42	0.42	0.42	1.05	1.05	1.05	
16	0.025	0.04	0.10	0.45	0.45	0.45	1.10	1.10	1.10	
20	0.025	0.04	0.110	0.48	0.48	0.48	1.20	1.20	1.20	
25	0.025	0.04	0.125	0.5	0.5	0.5	1.25	1.25	1.25	
32	0.025	0.04	0.140	0.53	0.53	0.53	1.30	1.30	1.30	
40	0.025	0.04	0.16	0.56	0.8	1.1	1.4	1.6	1.8	
50	0.025	0.04	0.18	0.6	0.85	1.2	1.5	1.7	1.9	
63	0.040	0.63	0.20	0.63	0.9	1.25	1.6	1.8	2.0	
80	0.063	0.10	0.22	0.67	0.95	1.3	1.7	1.9	2.1	
100	0.10	0.16	0.25	0.71	1.0	1.4	1.8	2.0	2.2	
125	0.16	0.25	0.28	0.75	1.05	1.5	1.9	2.1	2.4	
160	0.25	0.4	0.32	0.8	1.1	1.6	2.0	2.2	2.5	
200	0.40	0.63	0.42	1.0	1.4	2.0	2.5	2.8	3.2	
250	0.56	1.0	0.56	1.25	1.8	2.5	3.2	3.6	4.0	
320	0.75	1.6	0.75	1.6	2.2	3.2	4.0	4.5	5.0	
400	1.0	2.0	1.00	2.0	2.8	4.0	5.0	5.6	6.3	
500	1.3	2.5	1.30	2.5	3.6	5.0	6.3	7.1	8.0	
630	1.8	3.2	1.80	3.2	4.5	6.3	8.0	9	10.0	
800	2.4	4.0	2.40	4.0	5.6	8.0	10.0	11	12.5	
1000	3.2	5.0	3.20	5.0	7.1	10	12.5	14	16.0	
1250			4.20	6.3	9	12.5	16	18	20	
1600			5.60	8	11	16	20	22	25	
2000			7.50	10	14	20	25	28	32	
2500			10	12.5	18	25	32	36	40	
3200			12.5	16	22	32	40	45	50	
4000			16	20	28	40	50	56	63	
5000			20	25	36	50	63	71	80	
6300			25	32	45	63	80	90	100	
8000			32	40	56	80	100	110	125	
10000			40	50	71	100	125	140	160	

① The voltage:  
 a For functional insulation, it is the working voltage.  
 b For basic and supplementary insulation of circuits supplied directly from the low-voltage mains, the voltage selected from Table 3a or 3b according to the rated voltage of the equipment or the rated insulation voltage of the equipment.  
 c For the basic and supplementary insulation of systems, equipment and internal circuits that are not directly powered by the power supply, the voltages within the rated parameters may be generated by systems, equipment or internal circuits that use rated voltages in various harsh operating environments. Highest true rms value.  
 ② In the case of pollution degree 3, if the voltage is higher than 630V, the use of class III b insulating material is not recommended.

# IEC60664-1 Specification for Insulation of Electrical Equipment for Low Voltage Systems

## Electrical insulating properties:

Determination of clearances and creepage distances according to IEC60664-1

1) Characteristic values of overvoltages and overvoltage protective devices that may occur in relation to clearances

2) The working voltage related to the creepage distance, the direct surrounding environment that will reduce the insulation characteristics of the device, and the torque specified by the anti-pollution protection measures shall be tested again 5 times

## Definition of terms

### 1) Overvoltage classes I to IV

- Overvoltage category IV:  
Can be used for building installation junction points. Note: Devices in this class include electricity meters and major overcurrent protection devices
- Overvoltage category III:  
The device can be used in fixed installations, especially in environments that require high device reliability and availability. NOTE: Such devices include fixed-mount switches and industrial equipment permanently connected to fixed-mount devices
- Overvoltage category II:  
It is a power-consuming device powered by a fixed installation. Note: Such devices include household appliances, portable equipment, other household appliances and similar devices
- Overvoltage category I:  
Can only be used in circuits with limited low-intensity transient overvoltages devices

### 2) Pollution degree 1 to 4

- Pollution degree 1:  
No pollution, or only dry, non-conductive pollution and no effect occurs
- Pollution degree 2:  
Only non-conductive pollution occurs. Occasional temporary conductivity occurs due to condensation effects must be considered
- Pollution degree 3:  
Conductive pollution or dry non-conductive pollution occurs due to condensation
- Pollution degree 4:  
Contamination leads to persistent electrical conductivity, e.g. through conductive dust, rain and snow

### 3) Pollution degree 1 to 4

- Insulating materials are divided into four groups according to CTI value, which is measured by A solution according to IEC60112 standard
- Insulation material group I:  $600 \leq CTI$
- Insulation material group II:  $400 \leq CTI < 600$
- Insulation material group III a:  $175 \leq CTI < 400$
- Insulation material group III b:  $100 \leq CTI < 175$
- Proof Tracking Index(PTI) is used to express the resistance to leakage current characteristics of insulating materials

# IEC60947-7-1 UL1059 Electrical Performance test

## Power frequency withstand voltage / impulse withstand voltage test of din rail terminal blocks

Testing purpose:

- 1) Power frequency withstand voltage verifies the insulation performance of the product under high voltage conditions, and at the same time verifies the creepage distance between the potentials of two adjacent terminal blocks, and between the terminal blocks and the DIN rail
- 2) Impulse withstand voltage test to prove whether there is a sufficiently large electrical gap between two adjacent potentials

Testing method:

- 1) Power frequency withstand voltage (IEC): the highest effective voltage value or DC voltage value that can continue to occur under the specified use conditions (as shown in the figure). Test voltage duration must exceed 60 seconds
- 2) Impulse withstand voltage (IEC): The test needs to be repeated 5 times, and the time interval is at least 1s. Tested separately for each polarity according to rated insulation voltage

Judgement standard:

- 1) Power frequency withstand voltage: There shall be no spark discharge or breakdown during the test. And the leakage current must be less than 0.5mA
- 2) Impulse withstand voltage: no insulation failure and no flashover during the test

- Quality requirements:  
DEGSON terminal blocks are rated for surge voltages between 6kV and 8kV. This effectively verifies the operational safety of the rated working voltage of the terminal block.



### UL 1059

$U_i \leq 600$  V:  
Test voltage =  $1000$  V +  $2 \times$   
Rated insulation voltage  $U_i$   
 $601$  V~ $1500$  V:  
Test voltage =  $2000$  V +  $2.25 \times$   
Rated insulation voltage  $U_i$

Power frequency withstand voltage/  
impulse withstand voltage test of din rail terminal blocks

Rated insulation voltage $U_i$ V	AC test voltage (r.m.s.) V	DC test voltage <sup>b, c</sup>
$U_i = 60$	1000	1415
$60 < U_i = 300$	1500	2120
$300 < U_i = 690$	1890	2670
$690 < U_i = 800$	2000	2830
$800 < U_i = 1000$	2200	3110
$1000 < U_i = 1500^a$	/	3820

a For d.c. only.  
b Test voltage based on 4.1.2.3.1, third paragraph of IEC 60664-1.  
c A direct current test voltage may be used only if an alternating test voltage cannot be applied. See also 3) b) ii) of 8.3.3.4.1.

Rated impulse withstand voltage $U_{imp}$ KV	Test voltages and corresponding altitudes				
	Sevel level	$U_{1,2/50}$ KV			
		200m	500m	1000m	2000m
0.33	0.35	0.35	0.35	0.34	0.33
0.5	0.55	0.54	0.53	0.52	0.58
0.8	0.91	0.9	0.9	0.85	0.8
1.5	1.75	1.7	1.7	1.6	1.5
2.5	2.95	2.8	2.8	2.7	2.5
4.0	4.8	4.8	4.7	4.4	4.0
6.0	7.3	7.2	7.0	6.7	6.0
8.0	9.8	9.6	9.3	9.0	8.0
12.0	14.8	14.5	14	13.3	12

NOTE Table 12 uses the characteristics of homogeneous field, case B (see 2.5.62).

# IEC60947-7-1 UL1059 Electrical Performance test

## Din Rail terminal blocks Voltage-drop test

Testing purpose:

This electrical test determines the voltage drop on a terminal block (two terminal points) and contact quality

Testing method:

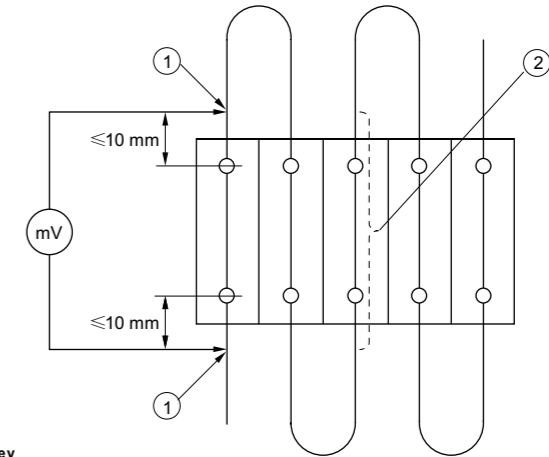
During the test, a direct test current corresponding to 0.1 times the current carrying capacity of the rated cross-section is applied to the terminal blocks, and the voltage drop is picked off at a distance of  $\leq 10$  mm from the middle of the terminal point (see diagram)

Judgement standard:

At  $20^\circ\text{C}$  ambient temperature, the voltage drop across each terminal shall not exceed 3.2mV before and after the test, and shall not exceed 1.5 times the initial value before the test

Quality requirements:

DEGSON Takamatsu's Terminal Blocks Voltage Drop of Terminal Blocks Meets Industry Standards



Key  
1 Measuring point of voltage drop  
2 Measuring of temperature

Figure 2 Arrangement for tests according to 8.4.5 and 8.4.7, and for the verification of voltage drop



Din Rail Terminal Blocks Voltage-drop Test

S(mm <sup>2</sup> )	0.2	0.5	0.75	1	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240	300	-	-
Current(A)	4	6	9	13.5	17.5	24	32	41	57	76	101	125	150	192	232	269	309	353	415	520	-	-
AWG/MCM	24	22	20	18	16	14	12	10	8	6	4	2	1	1/0	2/0	3/0	4/0	250	300	350	500	600
Current(A)	4	6	8	10	16	22	29	38	50	67	90	121	139	162	185	217	242	271	309	353	415	520

# IEC 60947-7-1/-2 / UL 1059 / IEC 61984 Electrical Performance Test

## Din Rail Terminal Blocks Temperature-rise Test

- Testing purpose:  
Confirm that the product will not generate abnormal temperature under normal operating environment, which may cause possible fire hazard

- Testing method:

- 1) IEC60947-7-1

Install the 5 terminal blocks on the guide rail, as shown in the figure, use 1m ( $\leq 10\text{mm}^2$ ) or 2m ( $> 10\text{mm}^2$ ) wires in series, and load the carrying capacity current corresponding to the rated wire; multilayer wiring terminal blocks and test disconnect terminal blocks are allowed reduce test current according to the manufacturer's requirements

- 2) IEC60947-7-2

Group a): Arrange 5 pieces of mutually insulated protective body terminal blocks adjacent to each other, without bracket installation, and measure the temperature rise on the middle piece of terminal ( $10\text{mm}^2$ ,  $L=1\text{m}$ ;  $> 10\text{mm}^2$ ,  $L=2\text{m}$ )

Group b): Install 5 pieces of protective conductor terminal blocks on a non-steel bracket, connect the two outer protective conductor terminals through the bracket, and measure the temperature rise on the two outer terminal blocks ( $10\text{mm}^2$ ,  $L=1\text{m}$ ;  $> 10\text{mm}^2$ ,  $L=2\text{m}$ )

- 3) IEC61984

Products of various positions (eg 5 positions, 10 positions....) are connected using loops of 0.5m or 1m long conductors with a maximum cross-section. Load the test current according to the decay curve (basic curve)

- 4) UL1059

Take at least 3 terminal blocks and mount them horizontally (next to each other). The measured ambient temperature is  $25^\circ\text{C}$ , the maximum allowable temperature rise is 30 K (measure as close as possible to the wiring point)



Din Rail Terminal Blocks Temperature-rise Test

- Judgement standard:

- 1) IEC60947-7-1

- 2) IEC60947-7-2

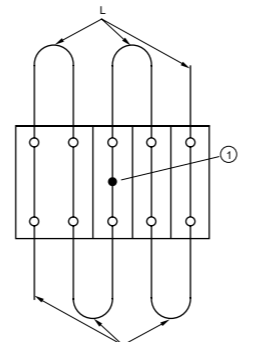
The maximum permissible temperature rise of the terminal block is 45 K. Before and after the Temperature-rise test, the voltage drop test of the five terminal blocks is required

- 3) IEC61984

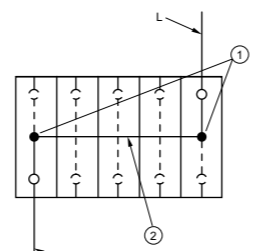
The temperature rise on the terminal contacts must not exceed the upper material temperature

- 4) UL1059

The maximum allowable temperature rise of the terminal is 30K (measured as close as possible to the wiring position)



Key  
1 Measurement points  
2 Support  
a) Group Temperature-rise test layout



Key  
1 Measurement points  
2 Support  
b) Group Temperature-rise test layout

- Quality requirements:

The terminal blocks are made of high-quality contact materials, so the temperature rise values of the terminal blocks with various connection technologies are all lower than the requirements of the specified standard

# IEC 60947-7-1/-2 / UL 1059 / IEC 61984 Electrical Performance Test

## DIN Rail Terminal Current Carrying Capacity Curve Complies with IEC/EN 60512-5- 2 standard

- Testing purpose:

When choosing a connector, pay attention to the structural requirements of the connector and the size of the current carrying capacity

- Testing method:

The current carrying capacity depends on the cross-sectional area of the connected wires, the ambient temperature, the number of poles carrying current at one time, the internal resistance of the connector, the printed circuit board layout, and the material of the connector. The relationship between current, ambient temperature and temperature rise (up to the limit operating temperature of the connector) can be displayed according to the IEC current carrying capacity curve (decay curve) (see schematic diagram)

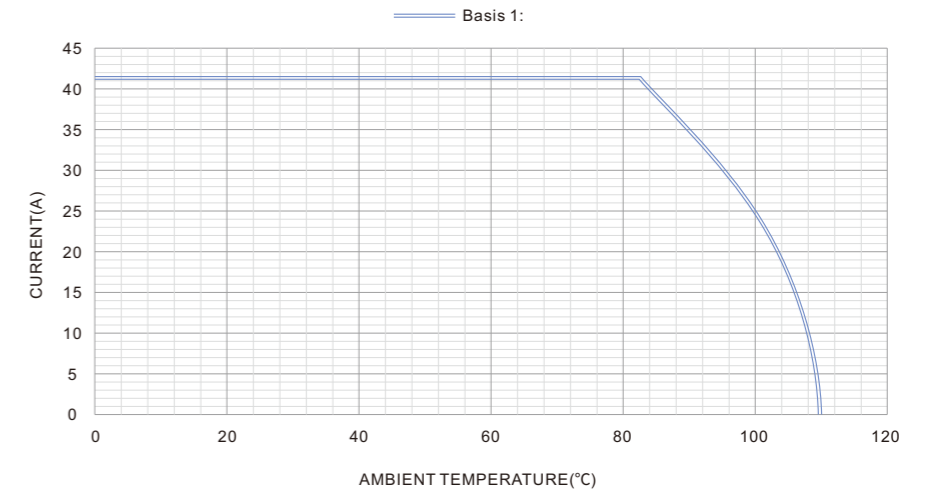
- Judgement standard:

The connector can operate normally within the limit of operating temperature (sum of self-heating and ambient temperature)

- Quality requirement:

DEGSON terminal blocks are made of high-quality contact materials and shell materials to improve the current carrying capacity of the connector

### DS6 Derating diagram



Current-carrying Capacity Curve Diagram Of Rail Terminals (attenuation Curve)

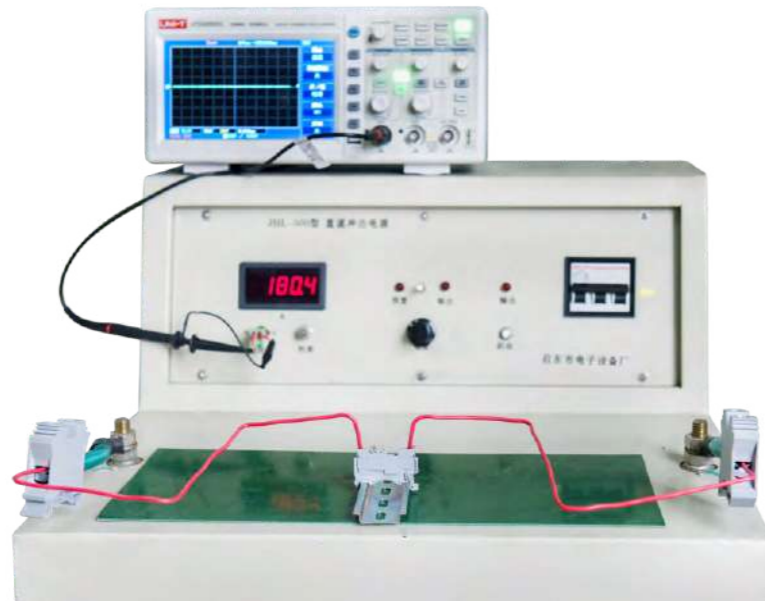
The function of the current-carrying capacity curves (according to IEC/EN 60512-5-2) can be explained with the help of the corresponding graphs of the DS series: for example, in this graph, each pole of a 4-position connector carries 41A Current and connects  $4\text{mm}^2$  wire, the maximum allowable ambient temperature is  $80^\circ\text{C}$ . If the temperature is higher, the current will be reduced. For example, when the ambient temperature is  $100^\circ\text{C}$ , the carrying current will be reduced to 20A.



## IEC 60947-7-1/-2 / UL 1059 / IEC 61984 Electrical Performance Test

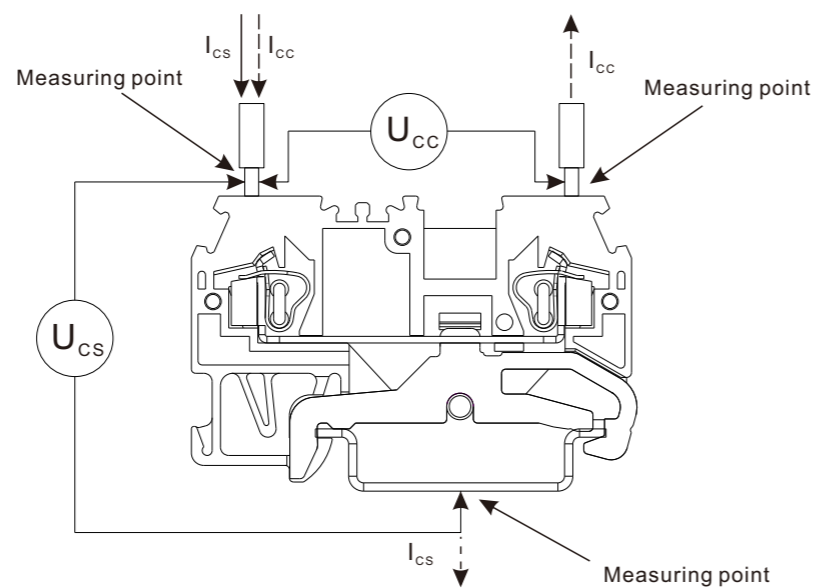
### Instantaneous Impulse Current Strength Test of Din Rail Terminal Blocks

- Testing purpose:**  
 The terminals must also withstand the transient short-circuit current without damage before the protective device disconnects the current
- Testing method:**  
 Mount the terminal with the conductor of rated cross-section on the rail, load current =  $120 \text{ A/mm}^2$  (current x rated cross-section) for 1 second. The test process is carried out in three rounds (see schematic diagram)
- Judgement standard:**  
 After the test is completed, the components are undamaged and can be used further, which shows test meets requirement. The terminal blocks must pass the voltage drop test before and after this test. The voltage drop on each terminal block before and after the test shall not exceed 3.2mV, and shall not exceed 1.5 times the initial value before the test after the test
- Quality requirements:**  
 DEGSON terminal blocks are made of high-quality contact materials and shell materials to improve the current impact capability of the connector



Instantaneous Impulse Current Strength Test of Din Rail Terminal Blocks

The instantaneous current carrying capacity of the  $95\text{mm}^2$  high current terminal block is 11400A.



In this test, the protective earth terminal block can withstand a secondary current of  $120\text{A/mm}^2$  for a duration of 1s, with an interval of at least 6 minutes between the two times. The voltage drop value is a crucial factor for the product to pass this experiment (limit value and continuous measurement value).

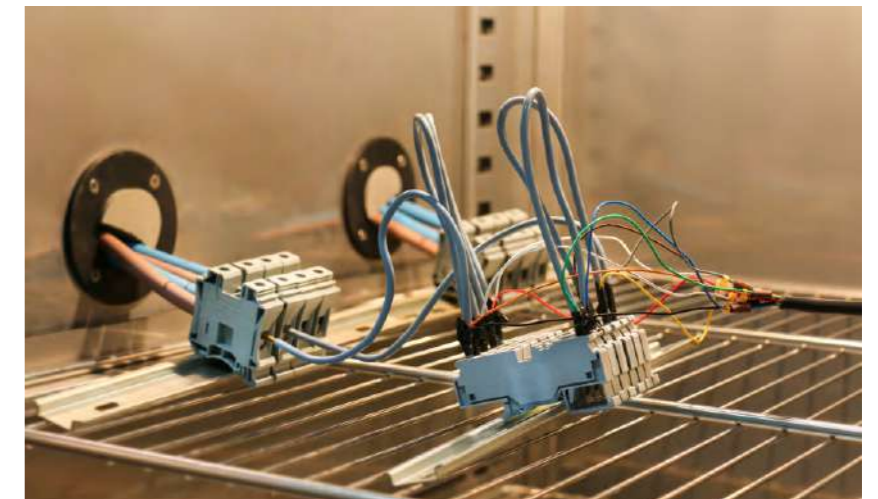
## IEC 60947-7-1/-2 / UL 1059 Environmental Performance Test

### Din Rail Terminal blocks Aging Cycle Test(spring cage type)

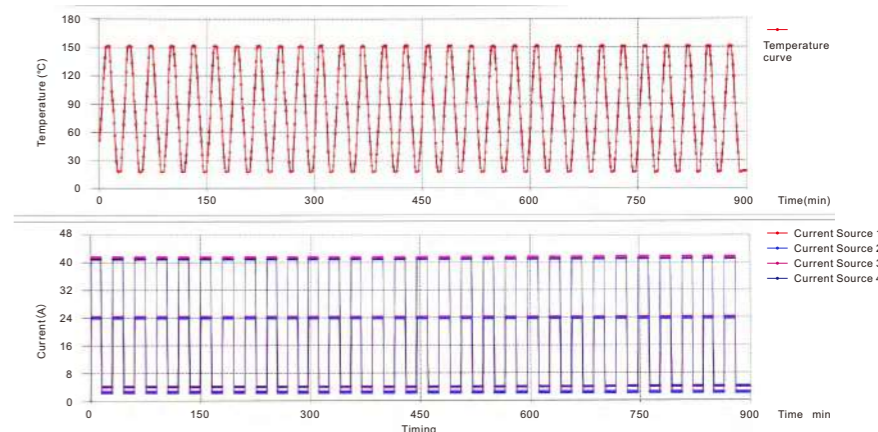
- Testing purpose:**  
 In order to prolong the life cycle of the terminal block, the test of the connection quality by simulating the aging process
- Testing method:**
  - IEC: Install the five terminal blocks horizontally on the guide rail, and use wires of rated cross-section in series. and measure the voltage drop across each terminal block. Connect in series with a minimum length of 300 mm wire. The lower and upper temperature limits in the aging box were set to  $20^\circ\text{C}$  and  $T+45^\circ\text{C}$ , respectively. The ramp-up phase continued for 10 minutes after reaching the maximum temperature  $T+45^\circ\text{C}$ . The power is then disconnected, and the voltage drop is measured once after cooling to about  $20^\circ\text{C}$ , or after 24 cycles. There are 192 cycles in the whole testing process
  - UL: continuous use of 1.5 times the rated current, 3.5 hours of power on, 0.5 hours of power off, 84 cycles (cycles) of power on and off
- Judgement standard:**
  - IEC: The initial voltage drop shall not exceed 3.2mV. The voltage drop during and after the test shall not exceed 4.8 mV and shall not exceed 1.5 times the measured value after 24 cycles
  - UL: The maximum temperature rise value of the 84th cycle is not greater than the maximum temperature rise value of the first cycle by 5 degrees
- Quality requirements:**  
 DEGSON terminal blocks could maintain strong durability even in harsh working environments. Both plastic and metal parts have a long service life.



Screwless Terminal Blocks Temperature Cyclic Aging Test System



Aging Cycle Test



**GB/T 2423.16-2008/  
IEC 60068-2-10:2005**

**Mold test**

- Testing purpose:  
In order to test the influence of mold growth on electronic products and the degree of mold growth on electrical performance, it is necessary to conduct mold tests on terminals
- Testing method:  
The strains and freeze-dried spores should be obtained from an approved collection of fungal strains, with an experimental severity level of 2 and a culture period of 56 days.  
Prepare the following two sets of samples  
The first group of spore suspension inoculated and cultured samples;  
Group 2 Negative control samples sprayed or immersed in sterile distilled water according to the inoculation method of Group 1, incubated at the same temperature and humidity, but in a sterile environment.  
Oxygen was supplied to the vessel every 7 days until the end of the incubation period.
- Judgement standard:  
Grade 2a: Sparse mold growth is seen with the naked eye or scattered and local mold growth is seen under the microscope, and the mold growth area does not exceed 5% of the test area
- Quality requirements:  
DEGSON Takamatsu's terminals can meet the mold test requirements 2a standard

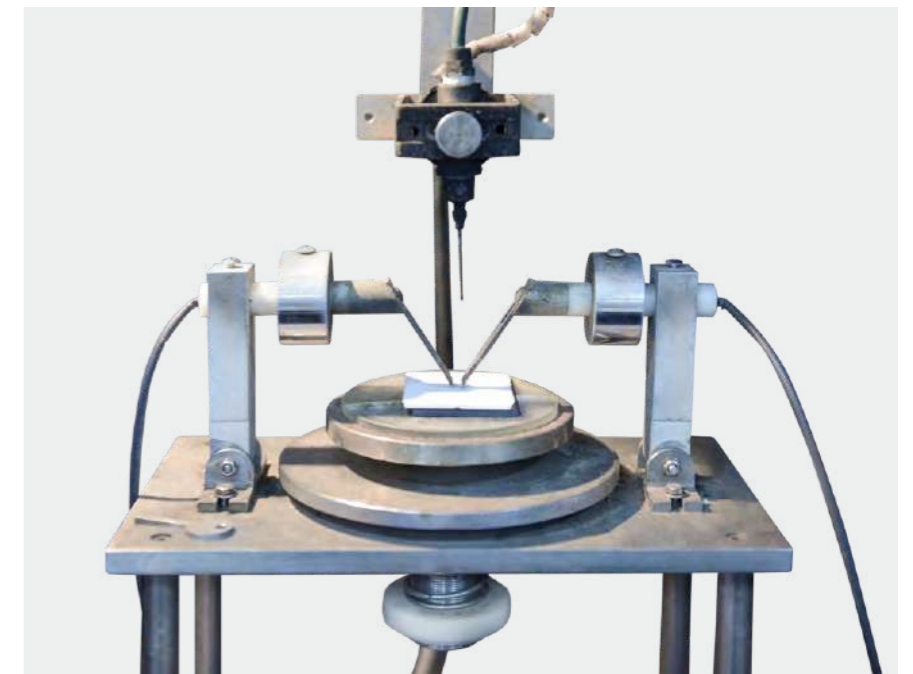
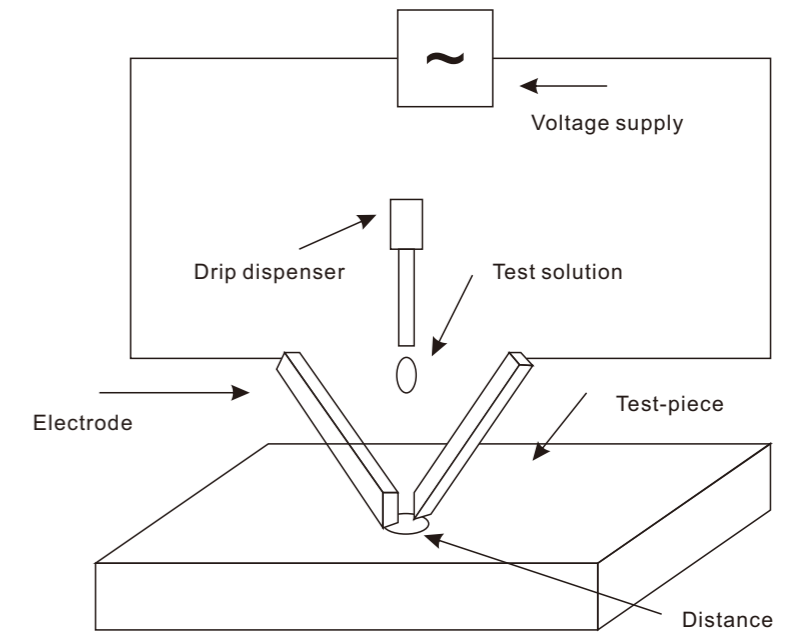


Mold Test Chamber

**IEC 60947-7-1/-2  
Material Property  
Testing**

**Din Rail Terminal Blocks  
Comparative Tracking  
Index(CTI) according to IEC  
60112**

- Testing purpose:  
Humidity and contamination can affect the creepage distance of plastic surfaces. The CTI value of plastic refers to the prevention of leakage caused by creepage gaps
- Testing method:  
Place two platinum electrodes with a distance of 4mm on a plastic plate of (40 mm x 40 mm x 3 mm), use 0.1% ammonium chloride solution, apply a standard test voltage to the two electrodes, every 30 seconds, test droplets Drop once, a total of 50 drops
- Judgement standard:  
The following judgments are unqualified:  
1. Sample surface current  $\geq 0.5A$  delay 2s  
2. The surface current of the sample is less than 0.5A, but it catches fire  
3. After 50 drops of the solution, the sample is dripped through
- Quality requirement:  
Plastic materials used by DEGSON meets the highest test voltage category, CTI can reach 600V



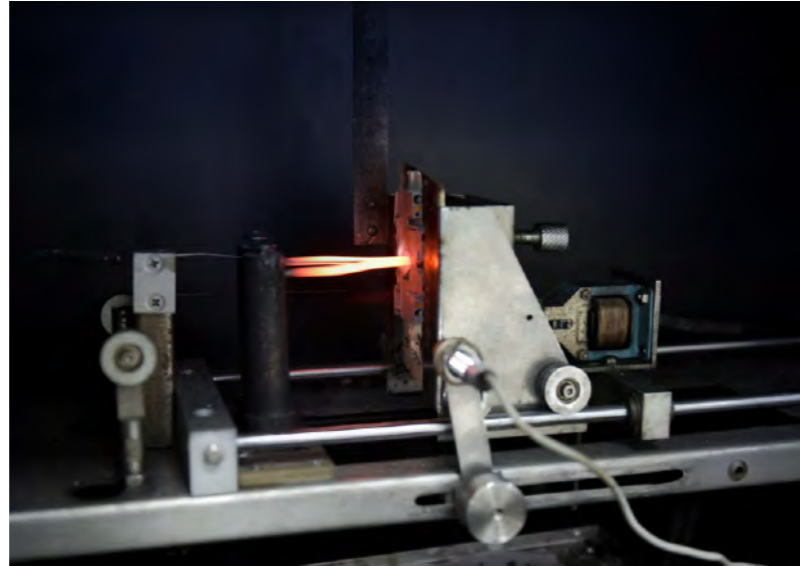
Din Rail Terminal Blocks Comparative Tracking Test



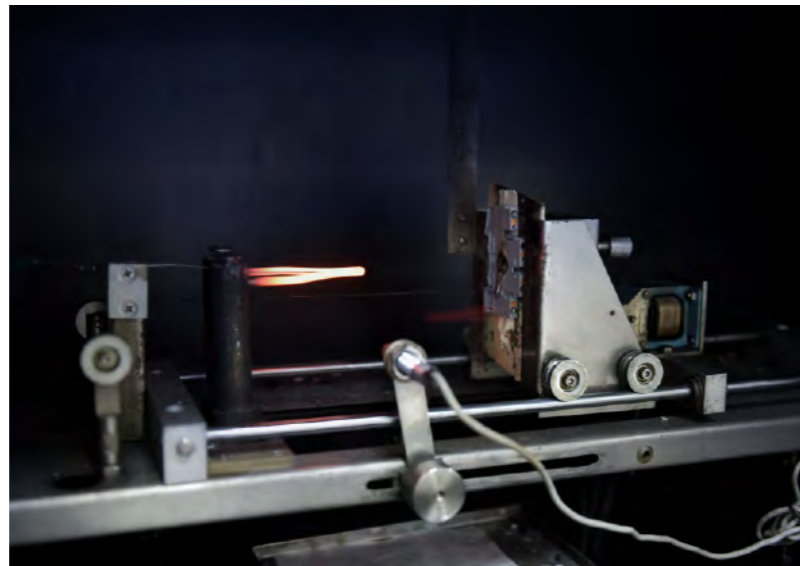
## IEC 60947-7-1/-2 Material Property Testing

### Din Rail Terminal Block Glow Wire Compliant to IEC 60695-2- 11/-12

- Testing purpose:  
Under overload conditions, conductive metal parts may experience significant heat generation. This extra heat can have an effect on the plastic housing. Glow wire test simulates fire hazard to electronic components
- Testing method:  
In the glow wire test, the glow wire is heated to a specified temperature (750°C, 850°C or 960°C). As shown in the figure, use a pushing force of 1N, and vertically touch the glow wire to the thinnest part of the test piece shell and heat for 30s
- Judgement standard:  
No flame or burning process occurred during the test
  - The flame or red heat of the specimen is extinguished within 30 seconds after the glow wire is removed;
  - Burning droplets cannot ignite the silk paper under the test piece
- Quality requirement:  
The nylon used in the housing material of DEGSON Takamatsu terminals can meet the requirements of UL yellow card



DIN Rail Terminal Block Glow Wire In Testing



DIN Rail Terminal Block Glow Wire After Testing

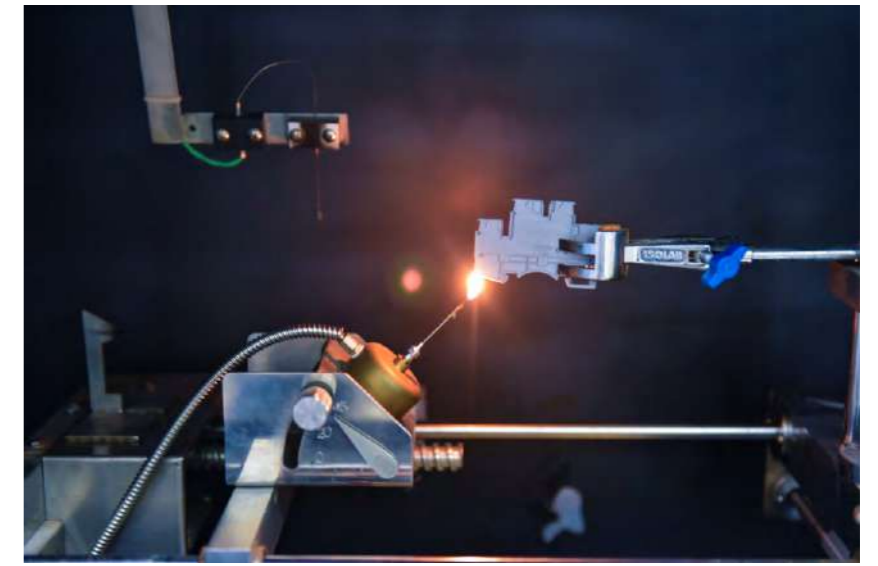
## IEC 60947-7-1/-2 Material Property Testing

### Din Rail terminal block needle flame test compliant to IEC 60695-2-2

- Testing purpose:  
In the fire test, an external fire source is used to directly approach the test component, and it acts directly on the component from the outside to simulate the flame retardant performance of the component.
- Testing method:  
During the test, an open flame generated by butane gas is applied to an outside or surface of the test piece at an angle of 45° for 10 seconds. Then observe the test subject's reaction after being removed from the fire
- Judgement standard:  
No flame or combustion process occurred during the test
  - After the flame is removed, the flame or red heat of the specimen is extinguished within 30 seconds;
  - Burning droplets cannot ignite the silk paper under the test piece
- Quality requirement:  
DEGSON uses high-quality plastic materials and special construction, all terminals have passed the needle flame test



Needle Flame Tester



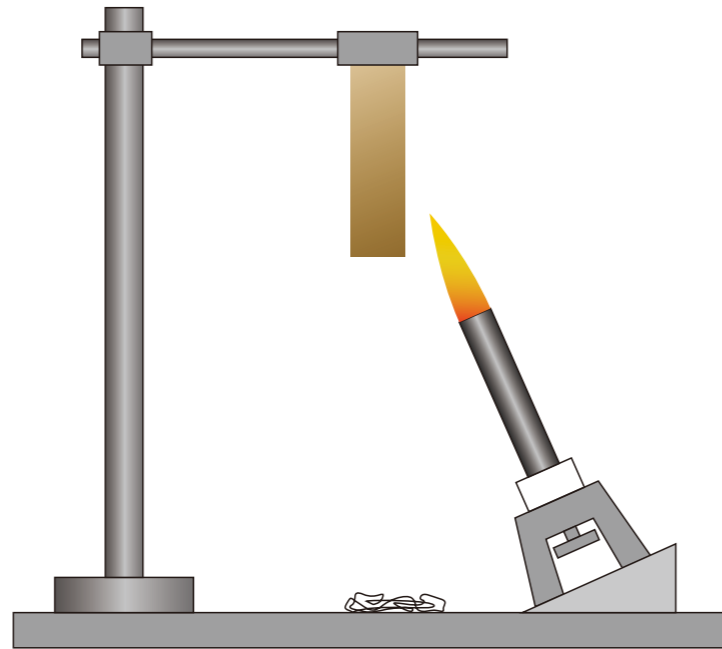
DIN Rail Terminal Block Needle Flame Test



## IEC 60947-7-1/-2 Material Property Testing

### Rail terminal flame retardant test conforms to UL94

- Testing purpose:  
In fire tests, the flame retardant properties or burning behavior of materials
- Testing method:  
After preconditioning, the test strips were clamped vertically and flame heated 2 times, each lasting 10 seconds. Record the length of time that each material burns to extinguish
- Quality requirements:  
DEGSON terminal blocks use UL94 PA66 V0 plastic material



Rail Terminal Flame Retardant Test

Type	UL94 V0	UL94 V1	UL94 V2
Each flame's burning time	≤10 s	≤30 s	≤30 s
Total 10 times of flame's burning time	≤50 s	≤250 s	≤250 s
Second flame's burning time	≤30 s	≤60 s	≤60 s
Complete combustion	No	No	No
The cotton wool under the test sample is ignited	No	No	No

## IEC 60068-2-11 Environmental Performance Test

### Din Rail Terminal Block Salt Spray Corrosion Test

- Testing purpose:  
In salt spray environment, technical components must be able to function continuously in aggressive environment. The air contains salt and high humidity, and the metal parts used are required to have strong corrosion resistance. According to the above standards, the impact on the marine climate is simulated
- Testing method:  
Test subjects were placed in a test chamber and sprayed with 5% sodium chloride (NaCl; pH 6.5 - 7.2) for 96 hours at ambient conditions at 35°C
- Judgement standard:  
Observe the appearance of the test object and conduct an electrical test on the resistance of the junction in order to verify the effect of the corrosion test on the junction
- Quality requirement:  
DEGSON terminal blocks uses corrosion-resistant high-grade copper alloys to ensure that the contacts are not corroded in extreme environments



Salt Spray Test Chamber



Din Rail Terminal Blocks Salt Spray Corrosion Test

## Environmental Performance Test

### Din Rail Terminal Blocks Temperature Cycling Test

- Testing purpose:**  
 In process control, sharp temperature changes often occur near its cold and heat sources. This test verifies that the junction point guarantees long-lasting excellent connection quality, even when subjected to rapid temperature changes
- Testing method:**  
 The 5 terminal blocks for connecting the rated cross-section conductors are mounted on the rail and subjected to temperature shock using a dual temperature control test. Set the temperature in the box to the upper limit temperature of the terminal blocks +105°C and the lower limit temperature -40°C respectively. The terminal blocks stays in each temperature control box for 12H. The temperature was cycled 5 times. After cooling to room temperature, the terminal blocks must also pass the voltage drop test
- Judgement standard:**  
 After the test is completed, the parts are not damaged and can be used further, which shows test meets requirement
- Quality requirement:**  
 DEGSON terminal blocks uses temperature-resistant nylon material to ensure well-balanced temperature characteristics in extreme environments



Din Rail Terminal Blocks Temperature Cycling Test



Din Rail Terminal Blocks Temperature Cycling Test

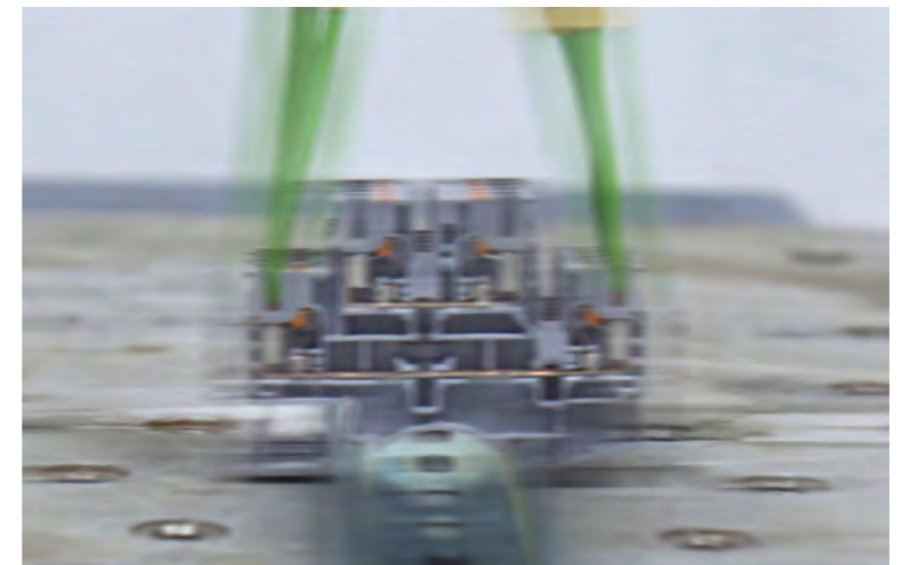
## IEC 61373 / IEC 60068-2-6 Vibration Test(DIN EN 50155)

### Din Rail Terminal Blocks Vibration Test

- Testing purpose:**  
 In the rail industry, terminal blocks are subject to vibration and shock. In order to simulate the vibration experienced in actual use, the test object is subjected to a broadband noise and vibration test
- Testing method:**  
 In the test frequency range: 5Hz to 150Hz. The equivalent value of acceleration can be up to 7.91m/s<sup>2</sup>. The test piece must be tested for 5 hours in each of the three axis directions (X, Y, Z). During the testing process, in addition to vibration testing, it is necessary to monitor the electrical contacts, which increases the difficulty of testing.
- Judgement standard:**  
 The contact resistance shall not be more than 1 μs during vibration, and the contact resistance shall be measured before and after the test. After the test is completed, there shall be no damage that affects subsequent normal use
- Quality requirements:**  
 The terminal blocks with different connection technologies provided by DEGSON have passed high standard vibration test



Vibration Testing Machine



Din Rail Terminal Blocks Vibration Test



## IEC 61373/IEC 60068-2-27 Shock Testing

### Din Rail Terminal Blocks Shock Testing

- Testing purpose:**  
 In the rail industry, terminal blocks are subject to vibration and shock. Detect and verify the ability of the joint to resist different shocks
- Testing method:**  
 Three shocks applied in the positive and negative directions of the three coordinate axes (X, Y, Z). The simulated acceleration reaches 20g, the pulse duration is 11ms, and the (X, Y, Z) shocks 3 times in the forward and reverse directions, a total of 18 times
- Judgement standard:**  
 During the test, the contact disconnection of more than 1µs shall not occur. After the test is completed, there shall be no damage that affects the subsequent normal use.
- Quality requirements:**  
 DEGSON din rail terminals are all subjected to high-strength shocks and are suitable for occasions that are susceptible to strong shocks

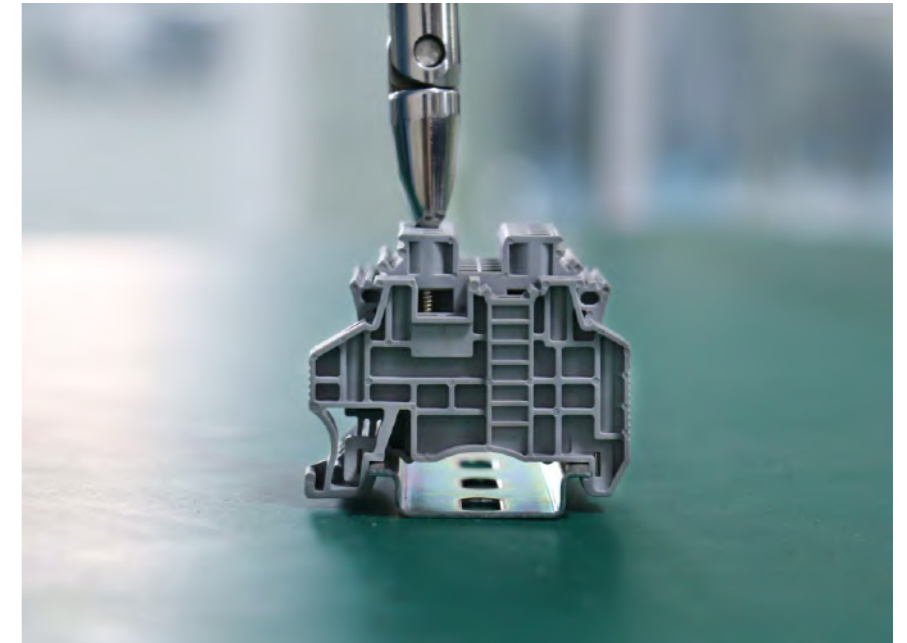


Shock Testing Machine

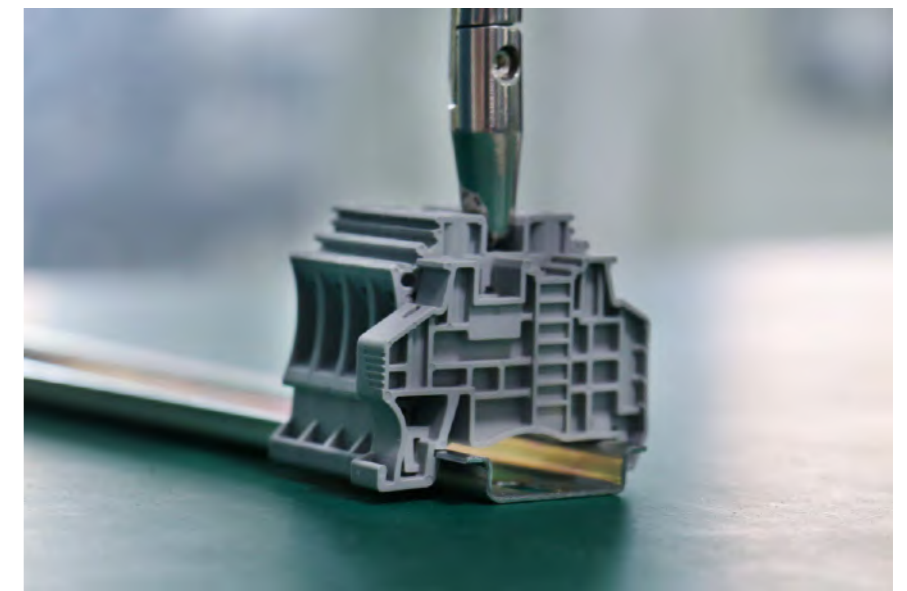
## IEC60529, EN50274 Protection Against Contact Test

### Din rail terminal blocks touch protection test

- Testing purpose:**  
 Electrical installations and systems must ensure a very high level of safety for service technicians. The voltage-free state of the affected low-voltage system or system parts up to AC 1000V and DC 1500V when working near live parts. To prevent electric shock, live parts must be protected from direct contact with covers or brackets
- Testing method:**  
 When testing according to EN50274, the test probe exerts a force on the test object in the direction of operation
- Judgement standard:**  
 For electrical contact between the test probe and live parts, do not use a test force of more than 10N to demonstrate touch-proof safety, and a test force of 50N to demonstrate "back of hand" safety
- Quality requirements:**  
 DEGSON din rail terminal blocks meets the standard finger protection against contact requirements



Din Rail Terminal Blocks Touch Protection Test



Din Rail Terminal Blocks Touch Protection Test



## ENVIRONMENTAL POLICY

DEGSON realizes system regulation without lead in 2005 and has been granted ISO14001 in 2006. All the products conform to the European ROHS requirement.

DEGSON realizes the importance to protect environment resources, selfconsciously meets environment protection requirements for products and regards it as the responsibility.

Thus, we have made the following environment strategic policy:

1. To meet customers' demands and obey the national and local laws and regulations as well as other environmental protection requirements.
2. Take environmental protection as one criterion for continuing development of our company. Insist on fully development of quality, benefit and environmental protection.
3. Fully considering the factors which will influence the environment in the processes of product development, manufacturing, material usage and waste processing, establish management system of waste in order to improve the environment of our company.
4. To increase the employees' consciousness of environmental protection through training and to realize the continuing improvement of environment management system and the ability of environmental protection.
5. To make full use of resources and to decrease consumption of material in order to save energy.
6. To promise to our partners and society that we will make contribution to environment protection. There is only one Earth for our humanity.
7. To strive for making conservation-oriented and environment-friendly products through continuous innovation and developing new materials and technology.

