DEGSON-Global Industrial Connector Manufacturer, Providing Customized Solution To All Partners.

DEGSON

NINGBO DEGSON ELECTRICAL CO., LTD.

Add：No.1585.Xiaolin Road.Cixi.Ningbo China
P.C.：315321
www.degson.com

Tel：+86-574-63504333
E-mail：sale@degson.com

The catalog is for reference purpose only and details are base on company's specifications

DEGSON website

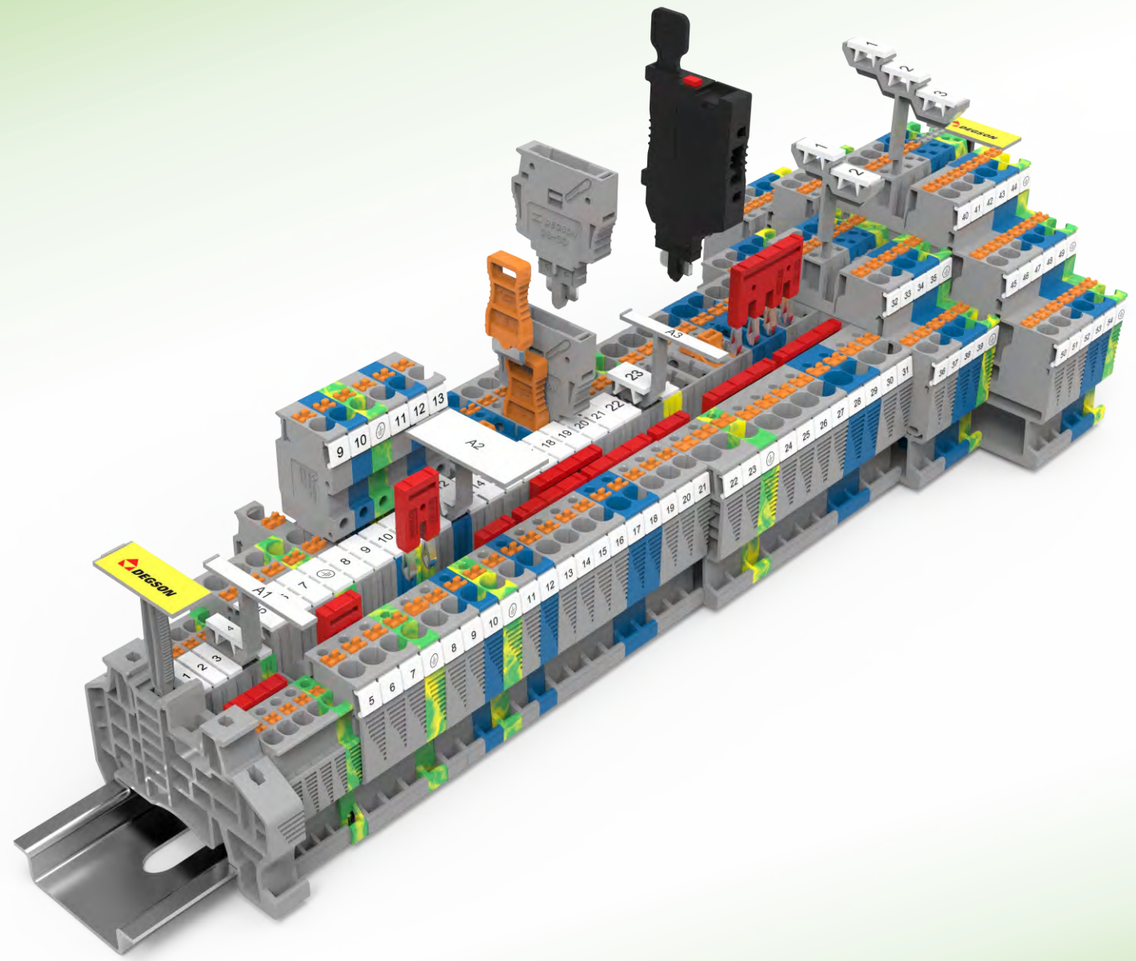
LINKEDIN

DR 22-E01

DEGSON

DIN Rail Terminal Blocks And Accessories System

2022-2023



ISO9001 ISO14001 ISO80079-34 ISO/TS22163 IATF16949 RoHS REACH

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, Russia, 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.

DEGSON

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.

ISO9001

ISO14001

ISO/TS 22163

UL CTDP

VDE TDAP

EX certificate

UL Certificates:10,
Covering 4000+Products

VDE Certificates:175,
Covering 3000+Products

TUV certificate

EAC certificate

CE certificate

Chinese invention patent

DEGSON

Company History

1990 "DENGGAO" Establishment.

Built relationship with UL, VDE.

2003

2005
2006 Granted ISO9001 management system certification.

Granted ISO14001 management system certification.

DEGSON Germany GmbH Establishment.

2009

DEGSON Lab.was authorized as"Authorization of VDE".

DEGSON Lab.was authorized as"Authorization of UL".

2010
2013

UL - CTDP

VDE - TDAP

Pass IECEX & ATEX explosion proof system certification.

Pass balance and caliper standard assessment.

Vietnam factory established

PLM Put into use

Set Up Intelligent Warehouse

2011
2014

2015

2017

2018

2019
2020

2021

National High-Tech Enterprise.

Moved into the 48,137m^2 new factory.
14,214m^2 Staff Dormitory building has been put into use.

On January, 2017, Pass IRIS system audit.

SAP ERP Put into use
Salesforce CRM Put into use

Sales Network

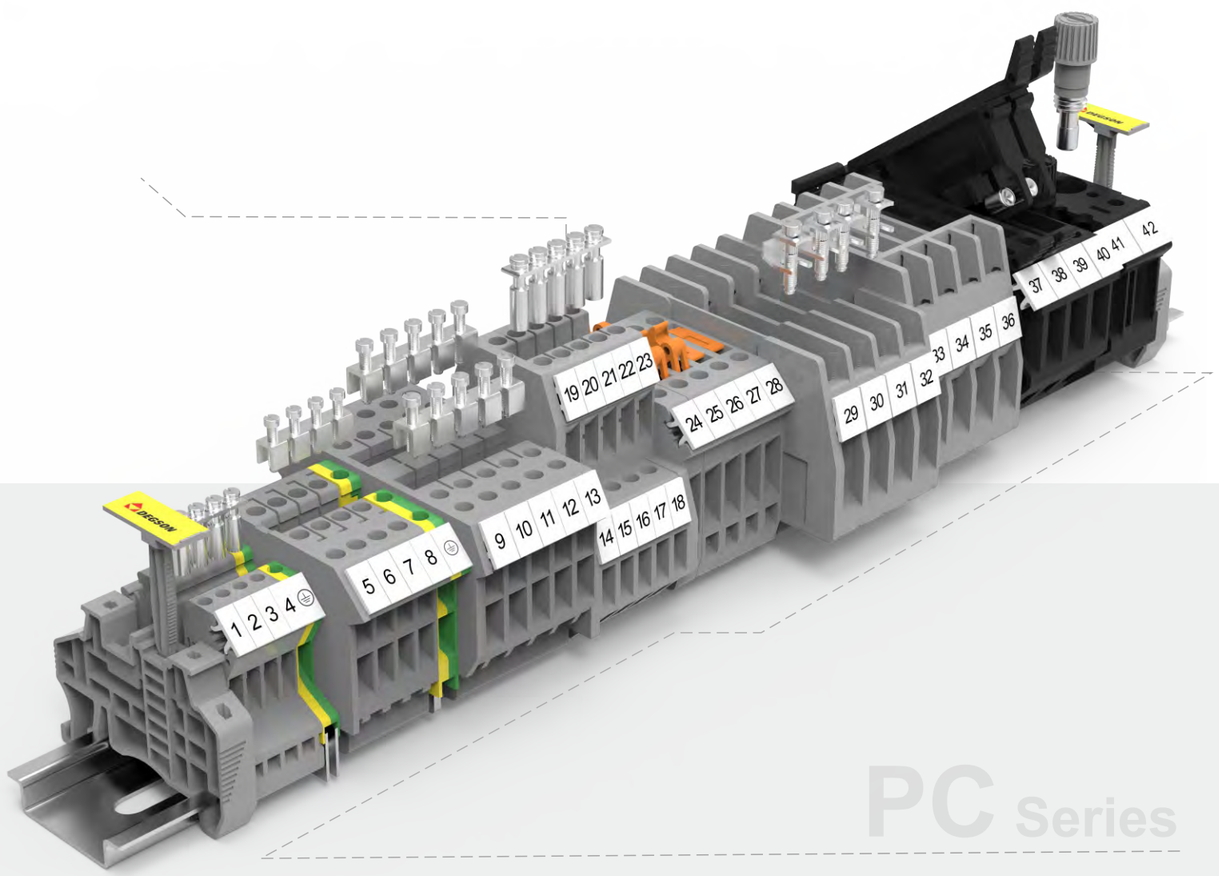
Products have been exported to more than 100 countries and areas in the global.

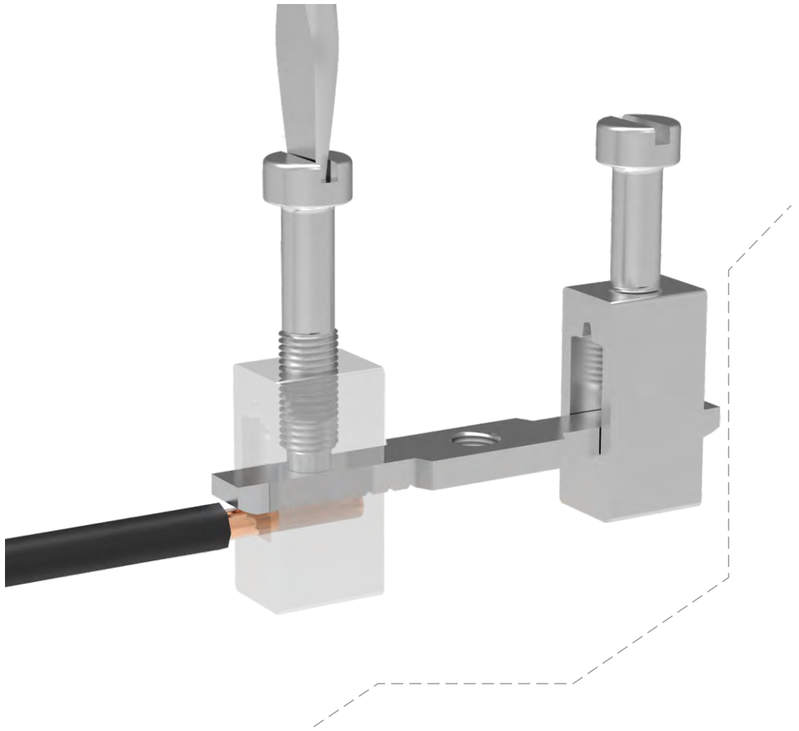
CONTENTS

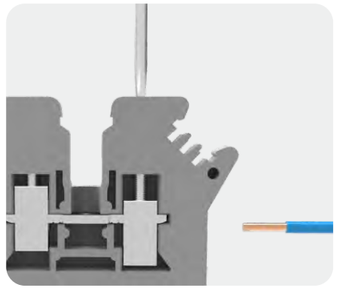
PC Copper Alloy Pressure Clamp Structure

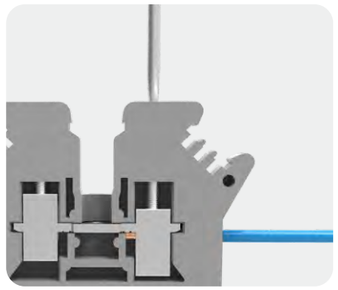
Feature

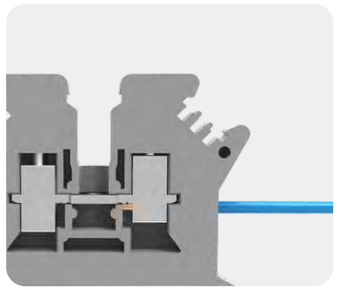
- Copper screw connection technology, reliable connection
- With fixed jumper, more flexible electrical connection test
- Copper alloy material, good corrosion resistance
- Complete product line can satisfy clients'different requirements
- Optional marker to avoid wire mis-inserting







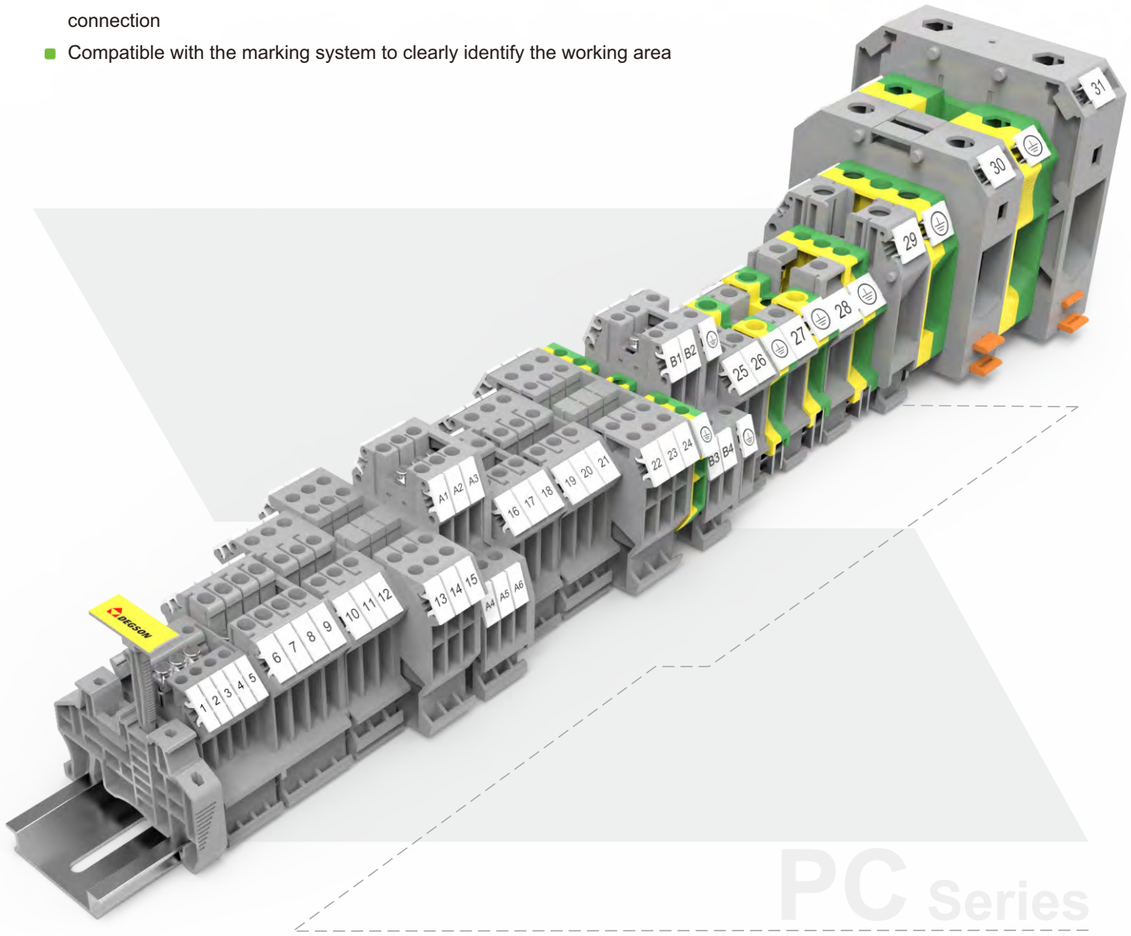




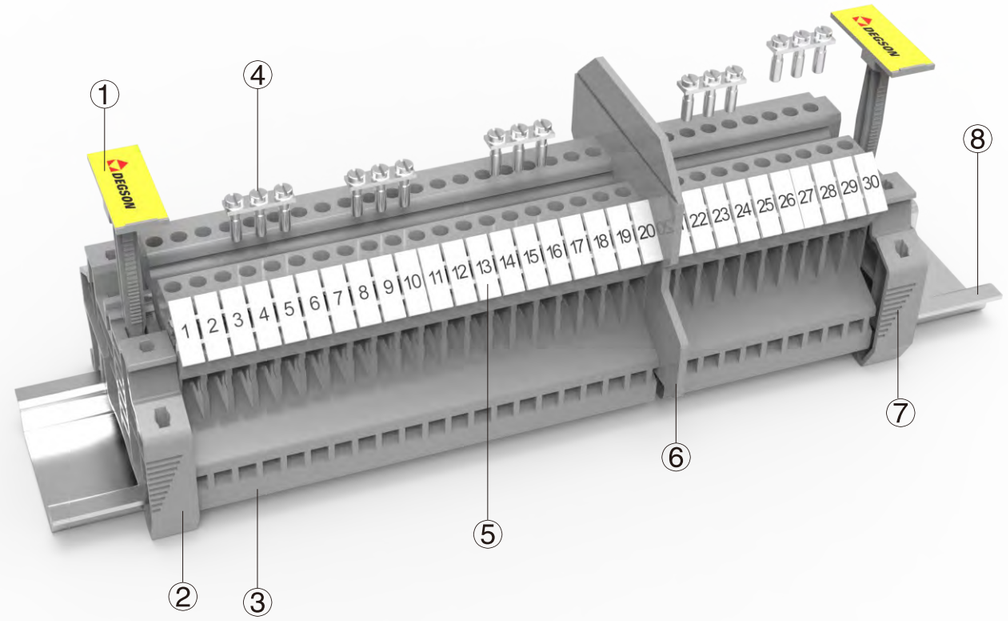
PC copper screw connection terminal blocks (copper screw and copper block with clamping wire) have good corrosion resistance. High-precision copper alloy conductors provide the lowest temperature rise, ensuring reliable and safe connections. PA66 plastic parts can meet the working environment of -40 ℃ to 105℃, and all PC series of din rail products are in line with UL94 V0 flame retardant grade.
Traditional screw terminal blocks: full product line provide different solutions for various industries.

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

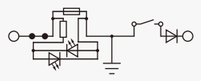


PC Series



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^2 DIN Rail terminal blocks
④ Fixed bridge	FBRI3-4-00A(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

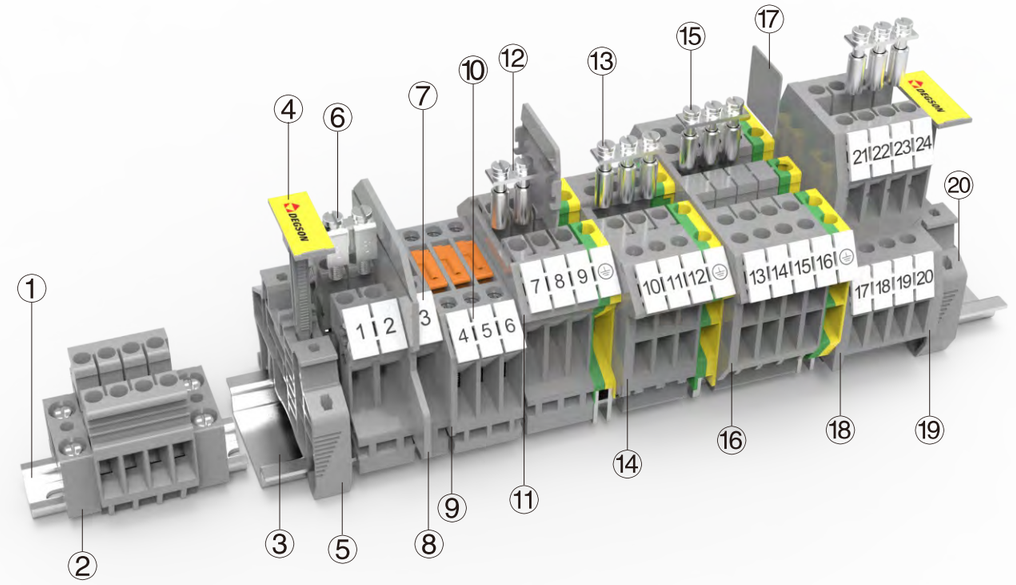
Screw connection technology 2

Feed-through terminal blocks

PC1.5

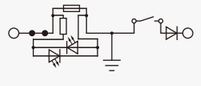
cULus EAC CE EAC RoHS REACH

Order NO.		11010000017			
Width/Length/Height(NS35/7.5&NS35/15)	mm	4.2/42.5/42.05(49.55)			
Electrical Data		IEC IEC60947-7-1		UL UL1059	
Rated voltage	V	500		600	
Rated current	A	17.5		10	
Rated cross section	mm^2/AWG	0.2-1.5		26-16	
Connection capacity		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm^2	0.2-1.5	0.2-1.5	0.2-1.5	0.2-0.5
2 flexible conductors with a TWIN ferrule	mm^2	—	—	—	0.5
General Information					
Insulation material/Flammability rating (according to UL 94)		PA/V0			
Operation temperatures	℃ (℉)	-40(-40)~105(221)			
Stripping length	mm	6-7			
Color		Grey, Red, Blue (please contact sales for other color requirements)			
Screw/Rated torque	-/N.m(lb.in)(kgf.cm)	M2.5/0.2(1.8)(2.04)			
Accessories					
Ferrule		/			
Slotted screwdriver size (Blade thickness x Width)	mm	0.4x2.5			
Flexed bridge (2,3,5,10P)		FBRI10-4			
Insertion bridge（2-10P)		/			
End cover		D-PC1.5			
Separating disk		/			
Partition plate		ATP-PC			
Marker		ZB4			
Marker support		/			
Terminal strip marker support		DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp		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	FBRI2-5-00A(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	FBRI3-5-00A(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

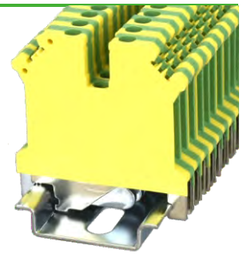


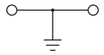
○ Connection point for wiring	Fuse connection	Disconnecting
• Connection point for bridging	Resistance connection	· Circuit connection point
LED light connection	Grounding connection	Diode connection

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)				5.2/42.5/47.25(54.75)			
Electrical Data		IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059	
Rated voltage	V	800		600		/		/	
Rated current	A	24		20		/		/	
Rated cross section	mm^2/AWG	0.2-2.5		24-12		0.2-2.5		24-12	
Connection capacity		Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm^2	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^2	—	—	—	0.5-0.75	—	—	—	0.5-0.75
General Information									
Insulation material/Flammability rating (according to UL 94)		PA/V0				PA/V0			
Operation temperatures	℃ (℉)	-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)				Green-yellow			
Screw/Rated torque	-/N.m(lb.in)(kgf.cm)	M3/0.5(4.5)(5.1)				M3/0.5(4.5)(5.1)			
Accessories									
Ferrule		/				/			
Slotted screwdriver size (Blade thickness x Width)	mm	0.6x3.5				0.6x3.5			
Flexed bridge (2,3,4,5,6,8,10P)		FBRI10-5				/			
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

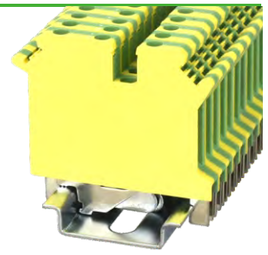
Feed-through, multi-conductor, multi-level, and ground terminal blocks

PC2.5B

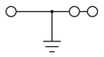
Order NO.		11010000032			
Width/Length/Height(NS35/7.5&NS35/15)	mm	6.2/42.5/42.05(49.55)			
Electrical Data		IEC IEC60947-7-1		UL UL1059	
Rated voltage	V	800		600	
Rated current	A	24		20	
Rated cross section	mm^2/AWG	0.2-2.5		24-12	
Connection capacity		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm^2	0.2-2.5	0.2-2.5	0.2-2.5	0.2-1.5
2 flexible conductors with a TWIN ferrule	mm^2	—	—	—	0.5-0.75
General Information					
Insulation material/Flammability rating (according to UL 94)		PA/V0			
Operation temperatures	℃ (℉)	-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)			
Accessories					
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

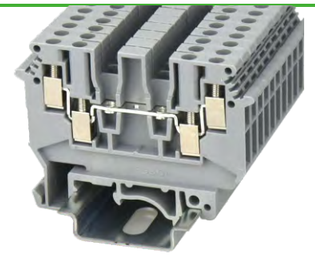
cULus CE EAC RoHS REACH

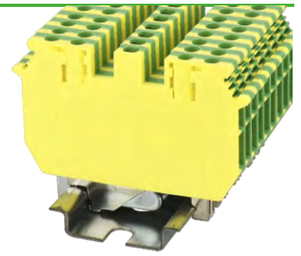
CE EAC RoHS REACH

Order NO.		11010000033				11010000042			
Width/Length/Height(NS35/7.5&NS35/15)	mm	5.2/50.1/47.25(54.75)				5.2/50.1/47.25(54.75)			
Electrical Data		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^2/AWG	0.2-2.5		24-14		0.2-2.5		24-14	
Connection capacity		Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm^2	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^2	—	—	—	0.5-0.75	—	—	—	0.5-0.75
General Information									
Insulation material/Flammability rating (according to UL 94)		PA/V0				PA/V0			
Operation temperatures	℃ (℉)	-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			
Screw/Rated torque	-/N.m(lb.in)(kgf.cm)	M3/0.5(4.5)(5.1)				M3/0.5(4.5)(5.1)			
Accessories									
Ferrule		/				/			
Slotted screwdriver size (Blade thickness x Width)	mm	0.6x3.5				0.6x3.5			
Flexed bridge (2,3,4,5,6,8,10P)		FBRI10-5				/			
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			

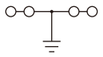
Screw connection technology 2

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





PCDK2.5



PCDK2.5-PE

cULus CE EAC RoHS REACH

CE EAC RoHS REACH

Order NO.		11010000115				11010000116			
Width/Length/Height(NS35/7.5&NS35/15)	mm	5.2/63.5/47.25(54.75)				5.2/63.5/47.25(54.75)			
Electrical Data		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^2/AWG	0.2-2.5		24-12		0.2-2.5		24-12	
Connection capacity		Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm^2	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^2	—	—	—	0.5-1	—	—	—	0.5-1
General Information									
Insulation material/Flammability rating (according to UL 94)		PA/V0				PA/V0			
Operation temperatures	℃ (℉)	-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)				Green-yellow			
Screw/Rated torque	-/N.m(lb.in)(kgf.cm)	M3/0.5(4.5)(5.1)				M3/0.5(4.5)(5.1)			
Accessories									
Ferrule		/				/			
Slotted screwdriver size (Blade thickness x Width)	mm	0.6x3.5				0.6x3.5			
Flexed bridge (2,3,4,5,6,8,10P)		FBRI10-5				/			
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

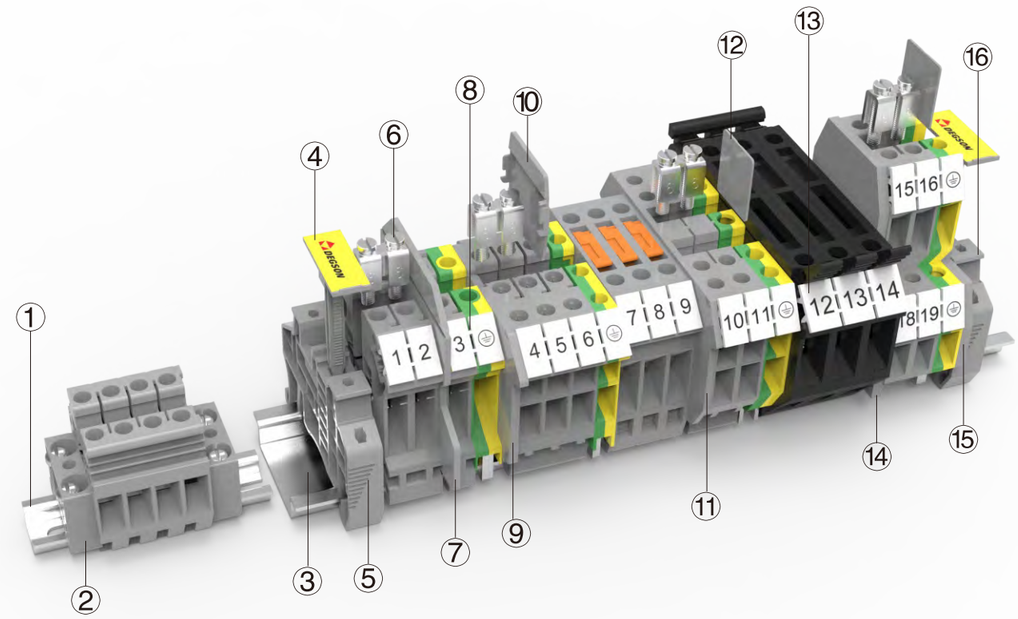
PCKK2.5

c UL us CE EAC RoHS REACH

PCKK2.5-PV

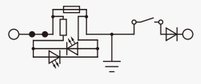
CE EAC RoHS REACH

Order NO.		11010000123				11010000124			
Width/Length/Height(NS35/7.5&NS35/15)	mm	5.2/56/61.95(69.45)				5.2/56/61.95(69.45)			
Electrical Data		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^2/AWG	0.2-2.5		24-12		0.2-2.5		24-12	
Connection capacity		Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm^2	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^2	—	—	—	0.5-1	—	—	—	0.5-1
General Information									
Insulation material/Flammability rating (according to UL 94)		PA/V0				PA/V0			
Operation temperatures	℃ (℉)	-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)			
Accessories									
Ferrule		/				/			
Slotted screwdriver size (Blade thickness x Width)	mm	0.6x3.5				0.6x3.5			
Flexed bridge (2,3,4,5,6,8,10P)		FBRI10-5				FBRI10-5			
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 carirer	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 PCDK4
⑫ Separating disk	TS-KK3-01P-11-00A(H)	The Separating disk is used for PCDK4, 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



Connection point for wiring

Connection point for bridging

LED light connection

Fuse connection

Resistance connection

Grounding connection

Disconnecting

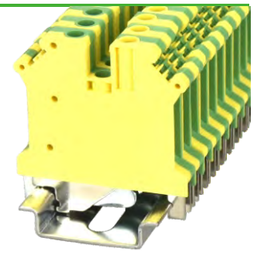
Circuit connection point

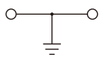
Diode connection

Screw connection technology 2

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

PC4



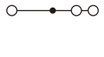


PC4-PE

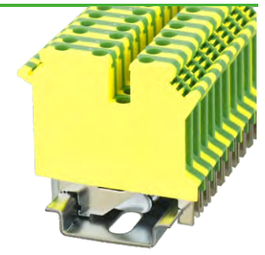
Order NO.		11010000068				11010000077			
Width/Length/Height(NS35/7.5&NS35/15)	mm	6.2/42.5/47.25(54.75)				6.2/42.5/47.25(54.75)			
Electrical Data		IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059	
Rated voltage	V	800		600		/		/	
Rated current	A	32		30		/		/	
Rated cross section	mm²/AWG	0.2-4		24-10		0.2-4		24-10	
Connection capacity		Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm²	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	mm²	—	—	—	0.25-2.5	—	—	—	0.25-2.5
General Information									
Insulation material/Flammability rating (according to UL 94)		PA/V0				PA/V0			
Operation temperatures	℃ (℉)	-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			
Screw/Rated torque	-/N.m(lb.in)(kgf.cm)	M3/0.5(4.5)(5.1)				M3/0.5(4.5)(5.1)			
Accessories									
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			

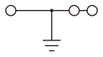
Screw connection technology 2

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



PC4-TW



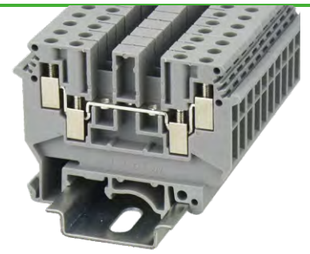


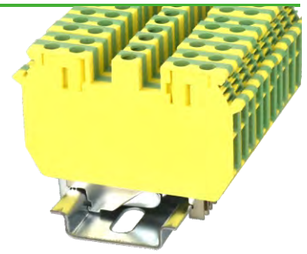
PC4-TW-PE

Order NO.		11010000070				11010000078			
Width/Length/Height(NS35/7.5&NS35/15)	mm	6.2/50.1/47.25(54.75)				6.2/50.1/47.25(54.75)			
Electrical Data		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	mm²/AWG	0.2-4		24-12		0.2-4		24-12	
Connection capacity		Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm²	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	mm²	—	—	—	0.5-1.5	—	—	—	0.5-1.5
General Information									
Insulation material/Flammability rating (according to UL 94)		PA/V0				PA/V0			
Operation temperatures	℃ (℉)	-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)				Green-yellow			
Screw/Rated torque	-/N.m(lb.in)(kgf.cm)	M3/0.5(4.5)(5.1)				M3/0.5(4.5)(5.1)			
Accessories									
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

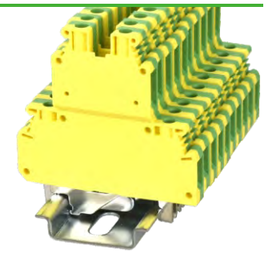
cULus EAC CE EAC RoHS REACH

CE EAC RoHS REACH

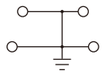
Order NO.		11010000117				11010000120			
Width/Length/Height(NS35/7.5&NS35/15)	mm	6.2/63.5/47.25(54.75)				6.2/63.5/47.25(54.75)			
Electrical Data		IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059	
Rated voltage	V	630		300		/		/	
Rated current	A	32		30		/		/	
Rated cross section	mm^2/AWG	0.2-4		24-10		0.2-4		24-10	
Connection capacity		Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm^2	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^2	—	—	—	0.5-1	—	—	—	0.5-1
General Information									
Insulation material/Flammability rating (according to UL 94)		PA/V0				PA/V0			
Operation temperatures	℃ (℉)	-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)				Green-yellow			
Screw/Rated torque	-/N.m(lb.in)(kgf.cm)	M3/0.5(4.5)(5.1)				M3/0.5(4.5)(5.1)			
Accessories									
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

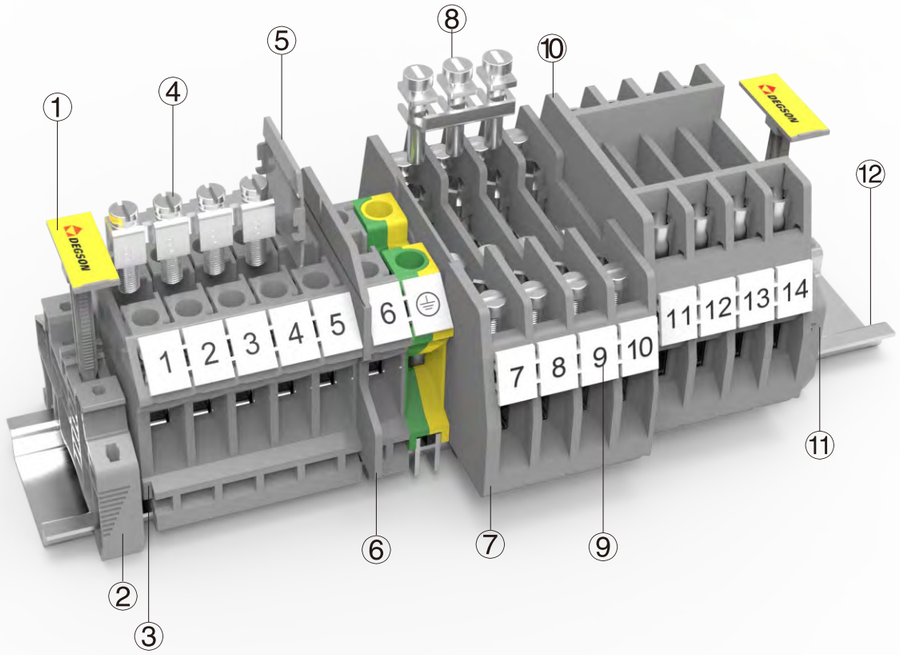


PCKK4-PE

cULus EAC CE EAC RoHS REACH

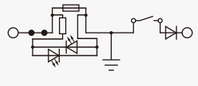
CE EAC RoHS REACH

Order NO.		11010000135				11010000139			
Width/Length/Height(NS35/7.5&NS35/15)	mm	6.2/56/61.95(69.45)				6.2/56/61.95(69.45)			
Electrical Data		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^2/AWG	0.2-4		26-10		0.2-4		26-10	
Connection capacity		Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm^2	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^2	—	—	—	0.5-1.5	—	—	—	0.5-1.5
General Information									
Insulation material/Flammability rating (according to UL 94)		PA/V0				PA/V0			
Operation temperatures	℃ (℉)	-40(-40)~105(221)				-40(-40)~105(221)			
Stripping length	mm	8				8			
Color		Grey, Red, Blue (please contact sales for other color requirements)				Green-yellow			
Screw/Rated torque	-/N.m(lb.in)(kgf.cm)	M3/0.5(4.5)(5.1)				M3/0.5(4.5)(5.1)			
Accessories									
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	FBI4-8-00A(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



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

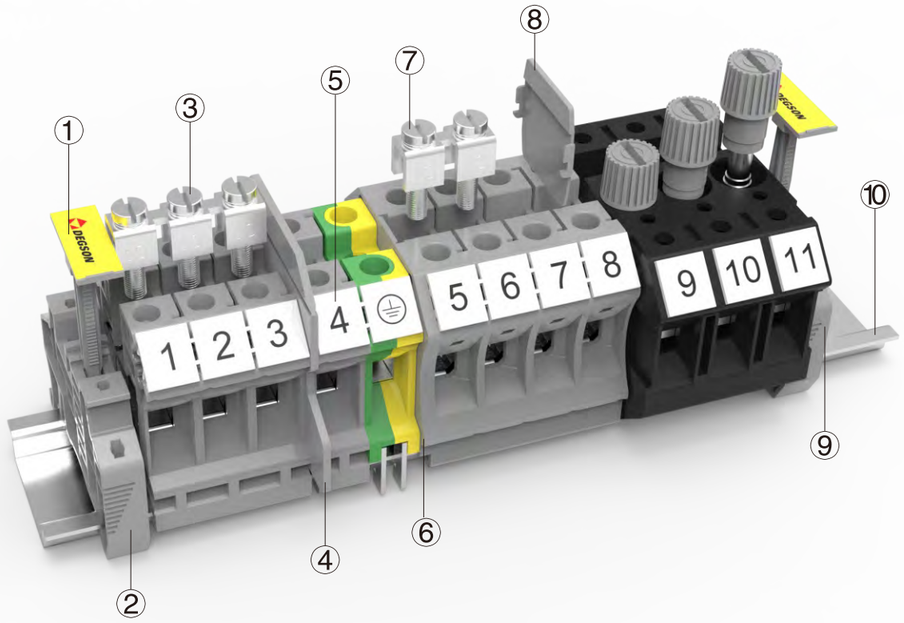
Screw connection technology 2

Feed-through and ground terminal blocks

PC6

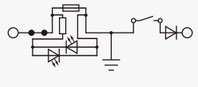
PC6-PE

Order NO.		11010000092				11010000097			
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^2/AWG	0.2-6		24-8		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^2	0.2-6	0.2-6	0.2-6	0.2-2.5	0.2-6	0.2-6	0.2-6	0.2-2.5
2 flexible conductors with a TWIN ferrule	mm^2	–	–	–	0.5-4	–	–	–	0.5-4
General Information									
Insulation material/Flammability rating (according to UL 94)		PA/V0				PA/V0			
Operation temperatures	℃ (℉)	-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			
Screw/Rated torque	-/N.m(lb.in)(kgf.cm)	M3/0.5(4.5)(5.1)				M3/0.5(4.5)(5.1)			
Accessories									
Ferrule		/				/			
Slotted screwdriver size (Blade thickness x Width)	mm	1x4				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

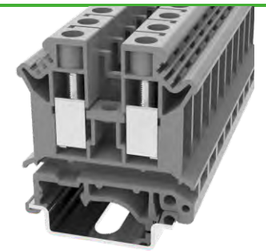
Circuit diagram

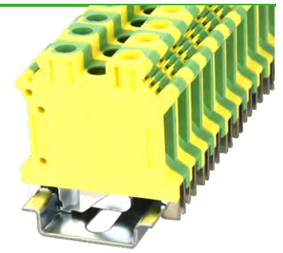


○ Connection point for wiring	Fuse connection	Disconnecting
• Connection point for bridging	Resistance connection	· Circuit connection point
LED light connection	Grounding connection	Diode connection

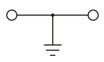
Screw connection technology 2

Feed-through and ground terminal blocks

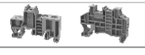


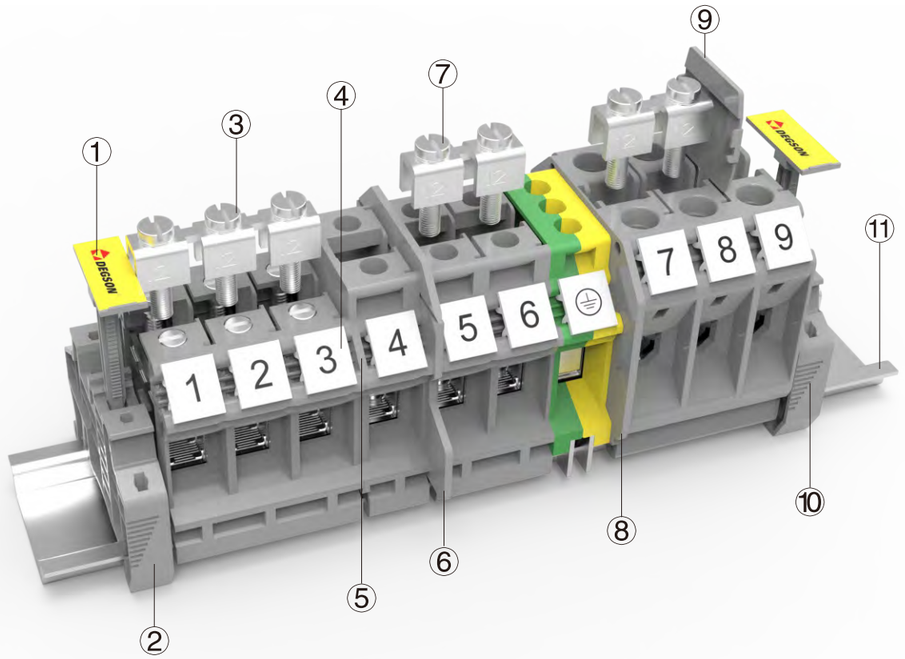


PC10



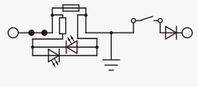
PC10-PE

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)			
Electrical Data		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^2/AWG	0.2-10		20-6		0.2-10		20-6	
Connection capacity		Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm^2	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^2	–	–	–	0.5-6	–	–	–	0.5-6
General Information									
Insulation material/Flammability rating (according to UL 94)		PA/V0				PA/V0			
Operation temperatures	℃ (℉)	-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			
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

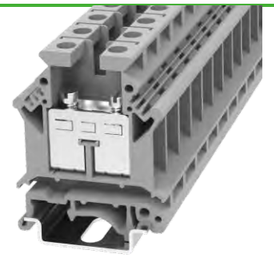
Circuit diagram



○ 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



PC16

cULus CE EAC RoHS REACH

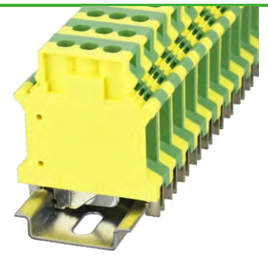
PCIK16

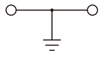
CE EAC RoHS REACH

Order NO.		11010000020				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)			
Electrical Data		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^2/AWG	0.2-16		12-4		0.2-16		12-4	
Connection capacity		Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm^2	0.2-16	0.2-16	0.2-16	0.2-16	1-16	1-16	1-16	1-16
2 flexible conductors with a TWIN ferrule	mm^2	–	–	–	0.5-6	–	–	–	0.75-10
General Information									
Insulation material/Flammability rating (according to UL 94)		PA/V0				PA/V0			
Operation temperatures	℃ (℉)	-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



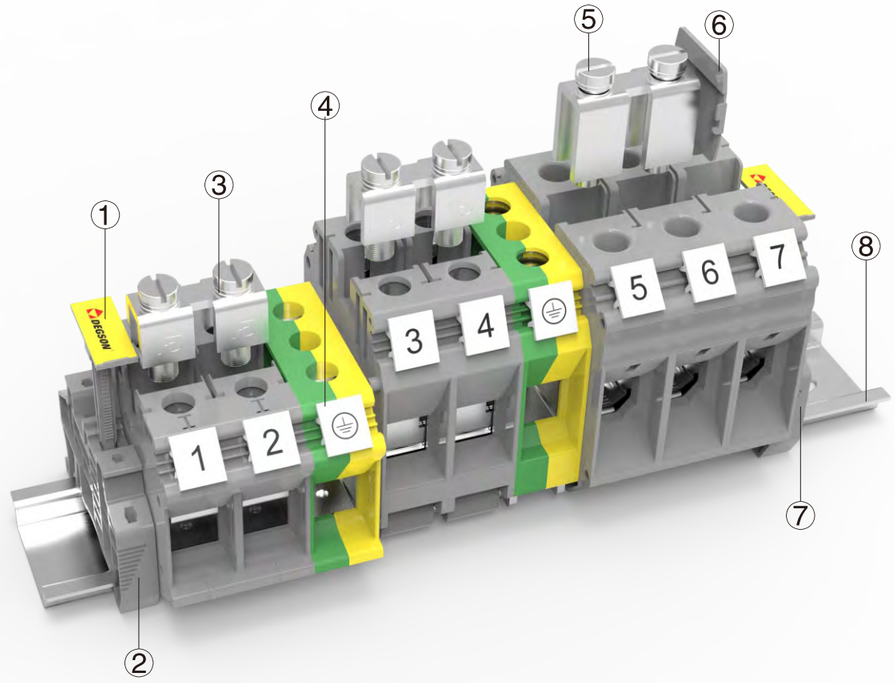


PC16-PE

Order NO.		11010000028			
Width/Length/Height(NS35/7.5&NS35/15)	mm	12.2/42.5/54.05(61.55)			
Electrical Data		IEC IEC60947-7-2		UL UL1059	
Rated voltage	V	/		/	
Rated current	A	/		/	
Rated cross section	mm^2/AWG	0.2-16		12-4	
Connection capacity		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm^2	0.2-16	0.2-16	0.2-16	0.2-16
2 flexible conductors with a TWIN ferrule	mm^2	–	–	–	0.5-6

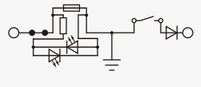
General Information		
Insulation material/Flammability rating (according to UL 94)		PA/V0
Operation temperatures	℃ (℉)	-40(-40)~105(221)
Stripping length	mm	10-11
Color		Green-yellow
Screw/Rated torque	-/N.m(lb.in)(kgf.cm)	M4/1.2(10.5)(12.24)

Accessories		
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

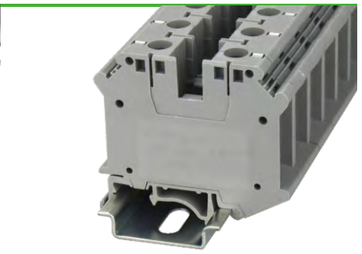


○ Connection point for wiring	Fuse connection	Disconnecting
• Connection point for bridging	Resistance connection	· Circuit connection point
LED light connection	Grounding connection	Diode connection

Screw connection technology 2

Feed-through and ground terminal blocks

PC35



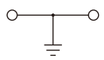
PCIK35

cULus CE EAC RoHS REACH

Order NO.		11010000059				11010000122			
Width/Length/Height(NS35/7.5&NS35/15)	mm	15.2/50/63.25(70.75)				15.2/55/51.25(58.75)			
Electrical Data		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^2/AWG	0.2-35		18- 1/0		0.2-35		18- 1/0	
Connection capacity		Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm^2	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^2	–	–	–	0.75-10	–	–	–	6.0-10
General Information									
Insulation material/Flammability rating (according to UL 94)		PA/V0				PA/V0			
Operation temperatures	℃ (℉)	-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)			
Accessories									
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	1 2 3 4 5 / A B C D E	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

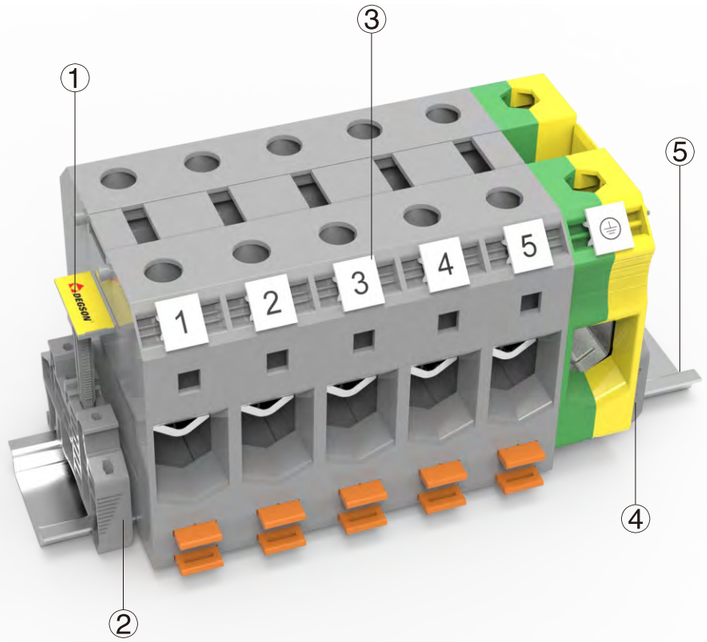
Feed-through and ground terminal blocks



PC35-PE

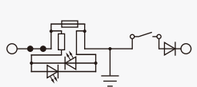
CE EAC RoHS REACH

Order NO.		11010000067			
Width/Length/Height(NS35/7.5&NS35/15)	mm	15.2/50/63.25(70.75)			
Electrical Data		IEC IEC60947-7-2		UL UL1059	
Rated voltage	V	/		/	
Rated current	A	/		/	
Rated cross section	mm^2/AWG	0.2-35		1/0-18	
Connection capacity		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm^2	0.2-35	0.2-35	0.2-35	0.2-35
2 flexible conductors with a TWIN ferrule	mm^2	–	–	–	0.75-10
General Information					
Insulation material/Flammability rating (according to UL 94)		PA/V0			
Operation temperatures	℃ (℉)	-40(-40)~105(221)			
Stripping length	mm	18-19			
Color		Green-yellow			
Screw/Rated torque	-/N.m(lb.in)(kgf.cm)	M6/2.5(22.2)(25)			
Accessories					
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	1 2 3 4 5 / A B C D E	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

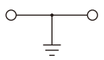


○ Connection point for wiring	Fuse connection	Disconnecting
• Connection point for bridging	Resistance connection	· Circuit connection point
LED light connection	Grounding connection	Diode connection

Screw connection technology 2

Feed-through and ground terminal blocks

PC50



PC50-PE

c UL us CE EAC RoHS REACH

CE EAC RoHS REACH

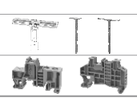
Order NO.		11010000085				11010000090			
Width/Length/Height(NS35/7.5&NS35/15)	mm	20/70.45/75.94(83.44)				20/70.45/75.94(83.44)			
Electrical Data		IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059	
Rated voltage	V	1000		600		/		/	
Rated current	A	150		125		/		/	
Rated cross section	mm^2/AWG	16-50		6-1/0		16-50		6-1/0	
Connection capacity		Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm^2	16-50	16-50	16-50	16-50	16-50	16-50	16-50	16-50
2 flexible conductors with a TWIN ferrule	mm^2	–	–	–	10-16	–	–	–	10-16
General Information									
Insulation material/Flammability rating (according to UL 94)		PA/V0				PA/V0			
Operation temperatures	℃ (℉)	-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)				Green-yellow			
Screw/Rated torque	-/N.m(lb.in)(kgf.cm)	M6/2.5(22.2)(25)				M6/2.5(22.2)(25)			
Accessories									
Ferrule		/				/			
Slotted screwdriver size (Blade thickness x Width)	mm	1.2x8				1.2x8			
Flexed bridge (2,3P)		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-PC 1100A / E-WS N			

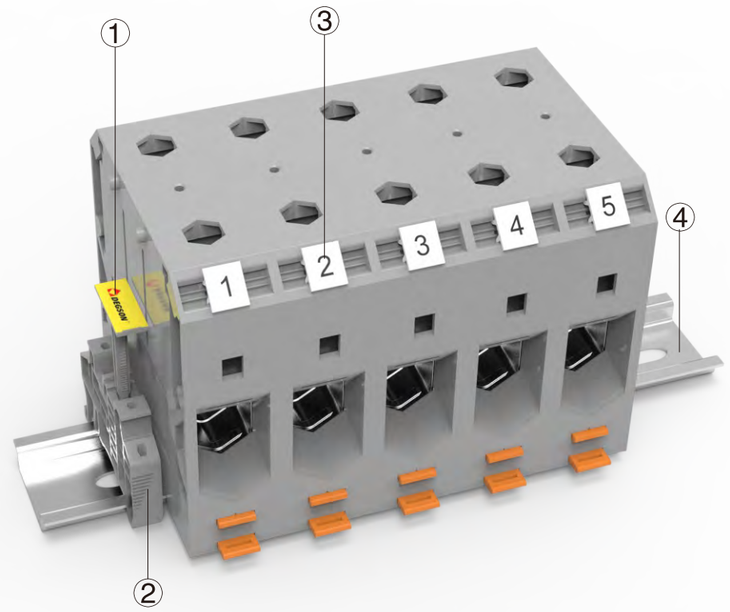
Screw connection technology 2

Feed-through and ground terminal blocks

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

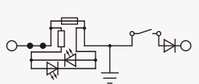
PC50-PE-01A(H)
(Hex socket screws)
CE EAC RoHS REACH

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)			
Electrical Data		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^2/AWG	16-50		6-1/0		16-50		6-1/0	
Connection capacity		Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm^2	16-50	16-50	16-50	16-50	16-50	16-50	16-50	16-50
2 flexible conductors with a TWIN ferrule	mm^2	–	–	–	10-16	–	–	–	10-16
General Information									
Insulation material/Flammability rating (according to UL 94)		PA/V0				PA/V0			
Operation temperatures	℃ (℉)	-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)				Green-yellow			
Screw/Rated torque	-/N.m(lb.in)(kgf.cm)	M6/2.5(22.2)(25)				M6/2.5(22.2)(25)			
Accessories									
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

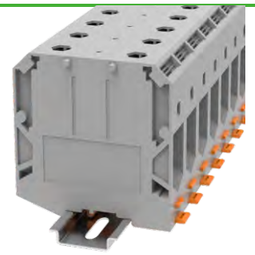
Circuit diagram



○ 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



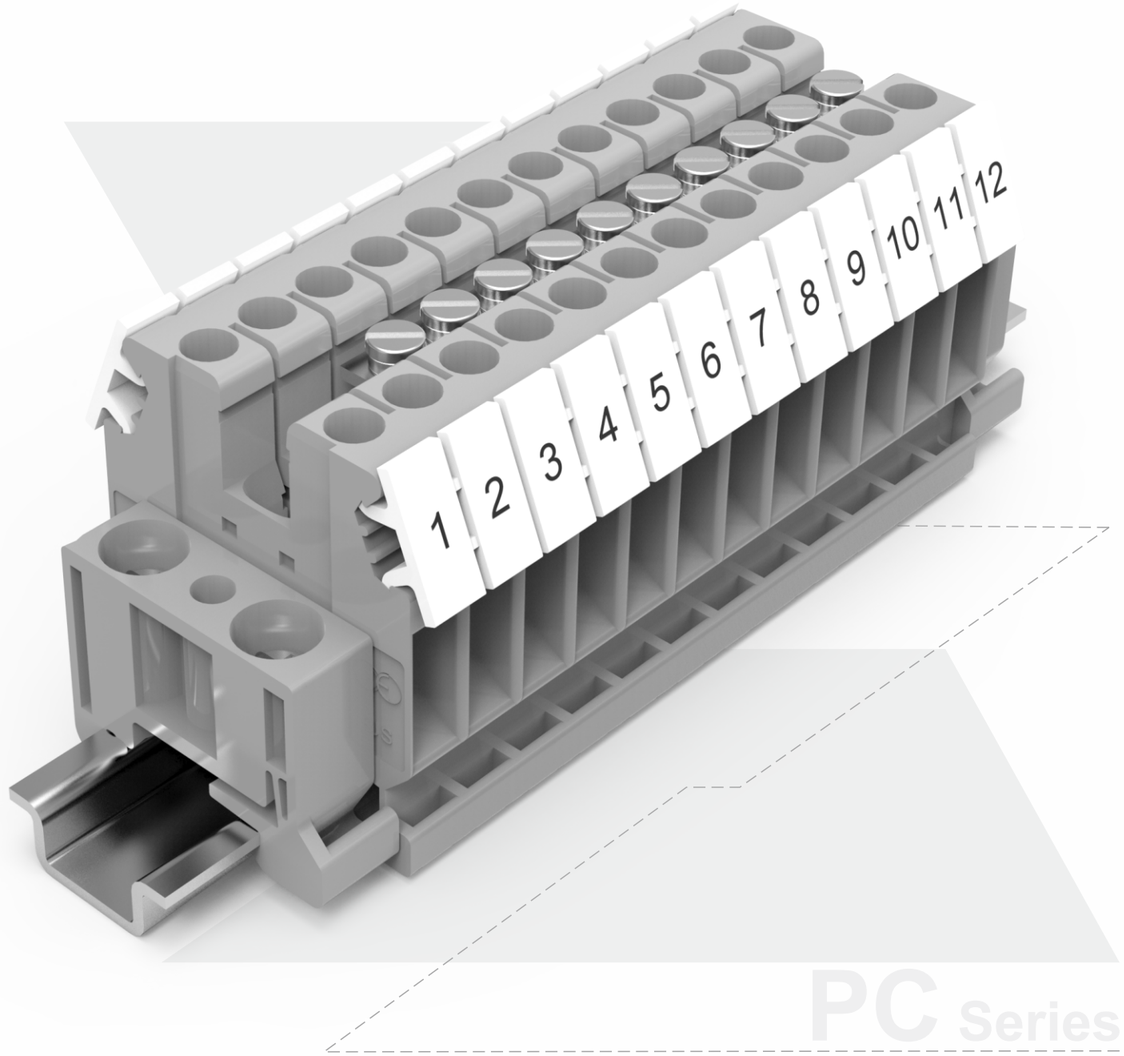
PC95

CE EAC RoHS REACH

Order NO.		11010000112			
Width/Length/Height(NS35/7.5&NS35/15)	mm	25/83/90.04(97.54)			
Electrical Data		IEC IEC60947-7-1		UL UL1059	
Rated voltage	V	1000		600	
Rated current	A	232		230	
Rated cross section	mm^2/AWG	25-95		2-4/0	
Connection capacity		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm^2	25-95	25-95	25-95	25-50
2 flexible conductors with a TWIN ferrule	mm^2	—	—	—	25-35
General Information					
Insulation material/Flammability rating (according to UL 94)		PA/V0			
Operation temperatures	℃ (℉)	-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)			
Accessories					
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



Screw connection technology 2

Feed-through terminal blocks

PCMB2.5

cULus CE EAC RoHS REACH

Order NO.		11010000140			
Width/Length/Height(NS15)	mm	5.2/28/33.7			
Electrical Data		IEC IEC60947-7-1		UL UL1059	
Rated voltage	V	500		300	
Rated current	A	24		20	
Rated cross section	mm^2/AWG	0.2-2.5		28-12	
Connection capacity		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm^2	0.2-2.5	0.2-2.5	0.2-2.5	0.2-2.5
2 flexible conductors with a TWIN ferrule	mm^2	—	—	—	0.5-1
General Information					
Insulation material/Flammability rating (according to UL 94)		PA/V0			
Operation temperatures	℃ (℉)	-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)			
Accessories					
Ferrule		/			
Slotted screwdriver size (Blade thickness x Width)	mm	0.6x3.5			
Fixed bridge (2,3,4,5,6,8,10P)		FBRI10-5			
Insertion bridge (2-10P)		EB2-5 / EB3-5 / EB10-5			
End cover		D-PCMB2.5			
Separating disk		TS-KK3			
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

Feed-through terminal blocks

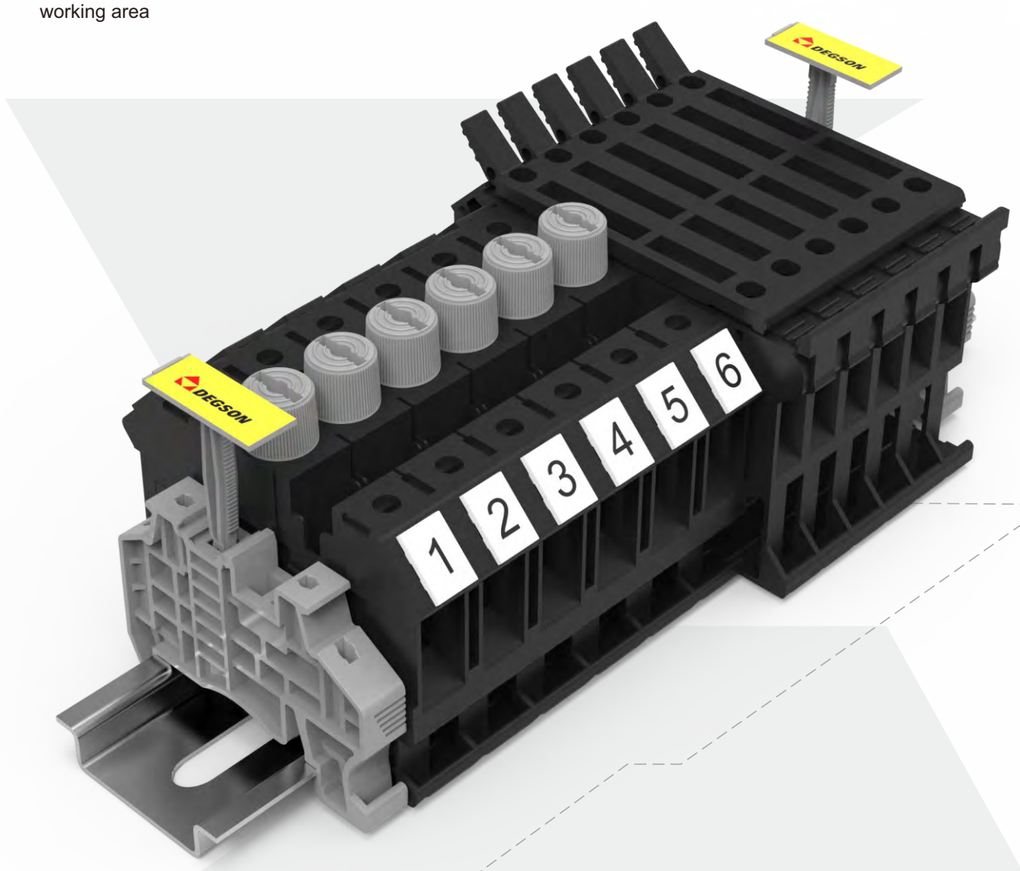
PCMB4

cULus CE EAC RoHS REACH

Order NO.		11010000143			
Width/Length/Height(NS15)	mm	6.2/28/33.7			
Electrical Data		IEC IEC60947-7-1		UL UL1059	
Rated voltage	V	500		300	
Rated current	A	32		30	
Rated cross section	mm^2/AWG	0.2-4		26-10	
Connection capacity		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm^2	0.2-4	0.2-4	0.2-4	0.2-2.5
2 flexible conductors with a TWIN ferrule	mm^2	—	—	—	0.5-2.5
General Information					
Insulation material/Flammability rating (according to UL 94)		PA/V0			
Operation temperatures	℃ (℉)	-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)			
Accessories					
Ferrule		/			
Slotted screwdriver size (Blade thickness x Width)	mm	0.6x3.5			
Fixed bridge (2,3,5,7,8,10P)		FBI10-6			
Insertion bridge (2-10P)		EB2-6 / EB3-6 / EB10-6			
End cover		D-PCMB2.5			
Separating disk		TS-KK3			
Partition plate		/			
Marker		ZB6 / ZS6			
Marker support		/			
Terminal strip marker support		DLM2 / KLM3-20x8 / KLM3-44x8			
End clamp		E-PC 1100A / E-WS N			

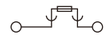
PC Fuse Terminal Blocks

- 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



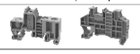
Screw connection technology 2

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



PC4-HE

cULus CE EAC RoHS REACH

Order NO.		11010000076			
Width/Length/Height(NS35/7.5&NS35/15)	mm	8.2/72.89/57.37(64.87)			
Electrical Data		IEC IEC60947-7-3		UL UL1059	
Rated voltage	V	800		600	
Rated current	A	6.3		6.3	
Rated cross section	mm^2/AWG	0.2-4		26-10	
Connection capacity		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm^2	0.2-4	0.2-4	0.2-4	0.2-2.5
2 flexible conductors with a TWIN ferrule	mm^2	–	–	–	0.5-2.5
General Information					
Insulation material/Flammability rating (according to UL 94)		PA/V0			
Operation temperatures	℃ (℉)	-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)			
Accessories					
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)

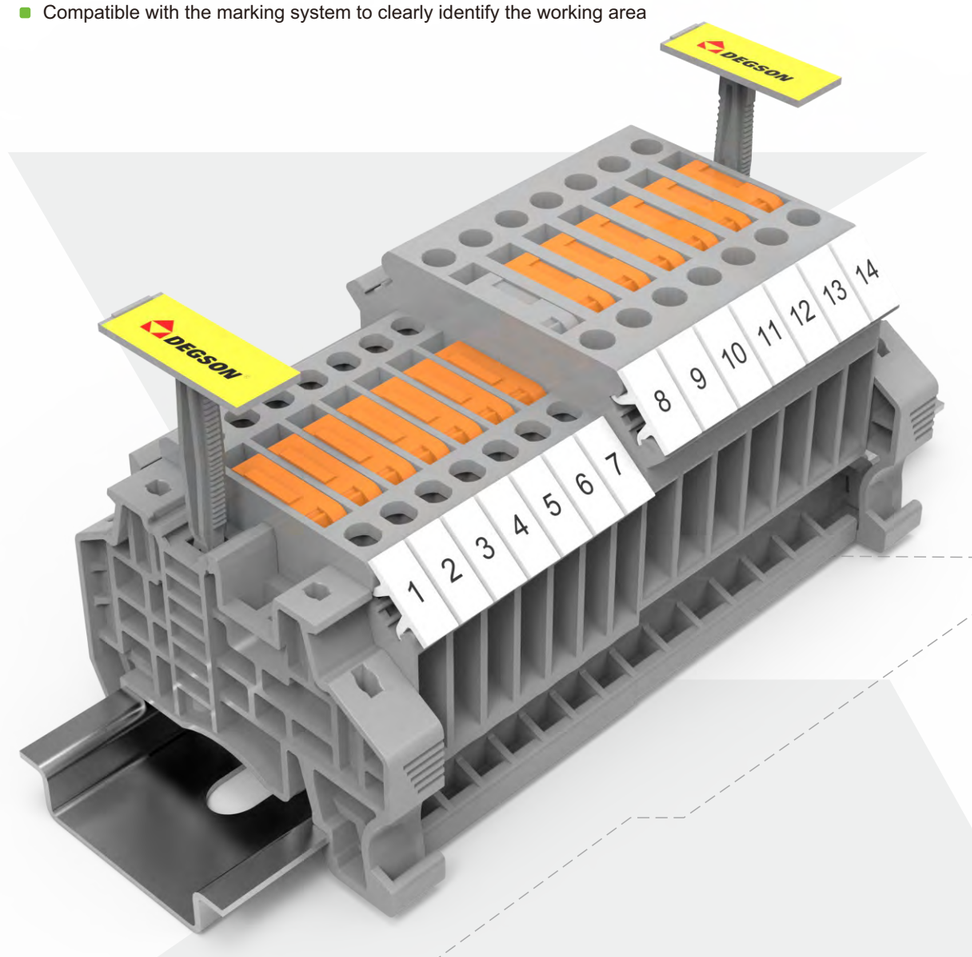
PC10-DR

c UL us CE EAC RoHS REACH

Order NO.		11010000005			
Width/Length/Height(NS35/7.5&NS35/15)	mm	12/62/57.8(64.75)			
Electrical Data		IEC IEC60947-7-3		UL UL1059	
Rated voltage	V	800		600	
Rated current	A	10		10	
Rated cross section	mm^2/AWG	0.5-10		24-6	
Connection capacity		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm^2	0.5-10	0.5-10	0.5-10	0.5-10
2 flexible conductors with a TWIN ferrule	mm^2	—	—	—	0.5-10
General Information					
Insulation material/Flammability rating (according to UL 94)		PA/V0			
Operation temperatures	℃ (℉)	-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)			
Accessories					
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 disconnector
- Snap-on knife disconnector to prevent accidental disconnection
- Compatible with the marking system to clearly identify the working area



Screw connection technology 2

Knife Disconnect Terminal Blocks

PCMT2.5

CE EAC RoHS REACH

Order NO.		11010000144			
Width/Length/Height(NS35/7.5&NS35/15)	mm	5.2/46.25/48.18(55.68)			
Electrical Data		IEC IEC60947-7-1		UL UL1059	
Rated voltage	V	500		300	
Rated current	A	16		10	
Rated cross section	mm^2/AWG	0.2-2.5		24-14	
Connection capacity		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm^2	0.2-2.5	0.2-2.5	0.2-2.5	0.2-1.5
2 flexible conductors with a TWIN ferrule	mm^2	—	—	—	0.5-1.5
General Information					
Insulation material/Flammability rating (according to UL 94)		PA/V0			
Operation temperatures	℃ (℉)	-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)			
Accessories					
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

Knife Disconnect Terminal Blocks

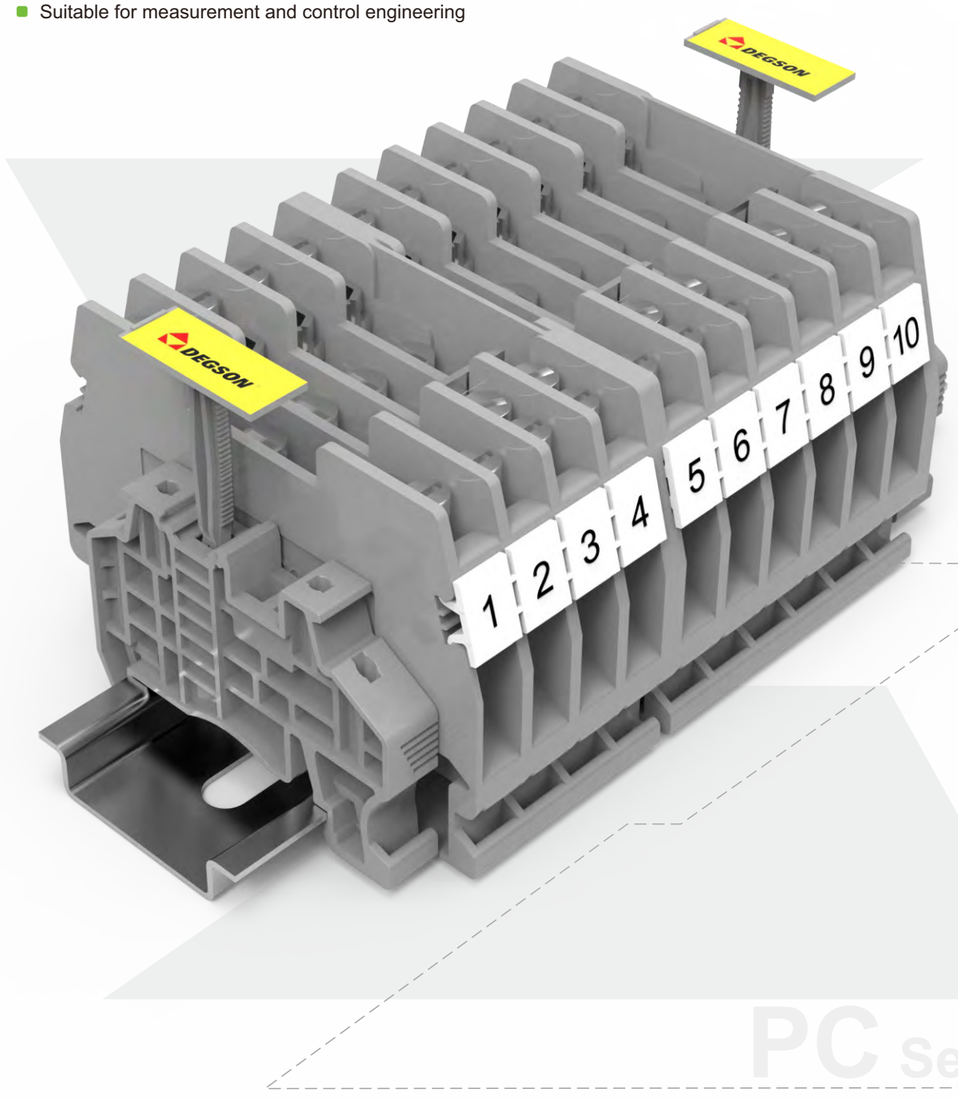
PCMT4

CE EAC RoHS REACH

Order NO.		11010000145			
Width/Length/Height(NS35/7.5&NS35/15)	mm	6.2/51/47.4(54.9)			
Electrical Data		IEC IEC60947-7-1		UL UL1059	
Rated voltage	V	800		600	
Rated current	A	16		15	
Rated cross section	mm^2/AWG	0.2-4		24-12	
Connection capacity		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm^2	0.2-4	0.2-4	0.2-4	0.2-2.5
2 flexible conductors with a TWIN ferrule	mm^2	—	—	—	0.5-2.5
General Information					
Insulation material/Flammability rating (according to UL 94)		PA/V0			
Operation temperatures	℃ (℉)	-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)			
Accessories					
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			

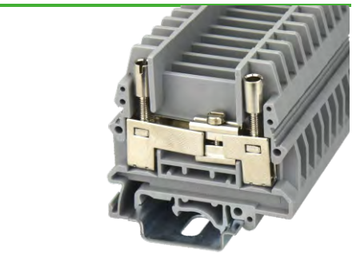
PC Test Disconnect Terminal Block

- 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 disconnector
- 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



Screw connection technology 2

Test disconnect terminal blocks



PCTK6

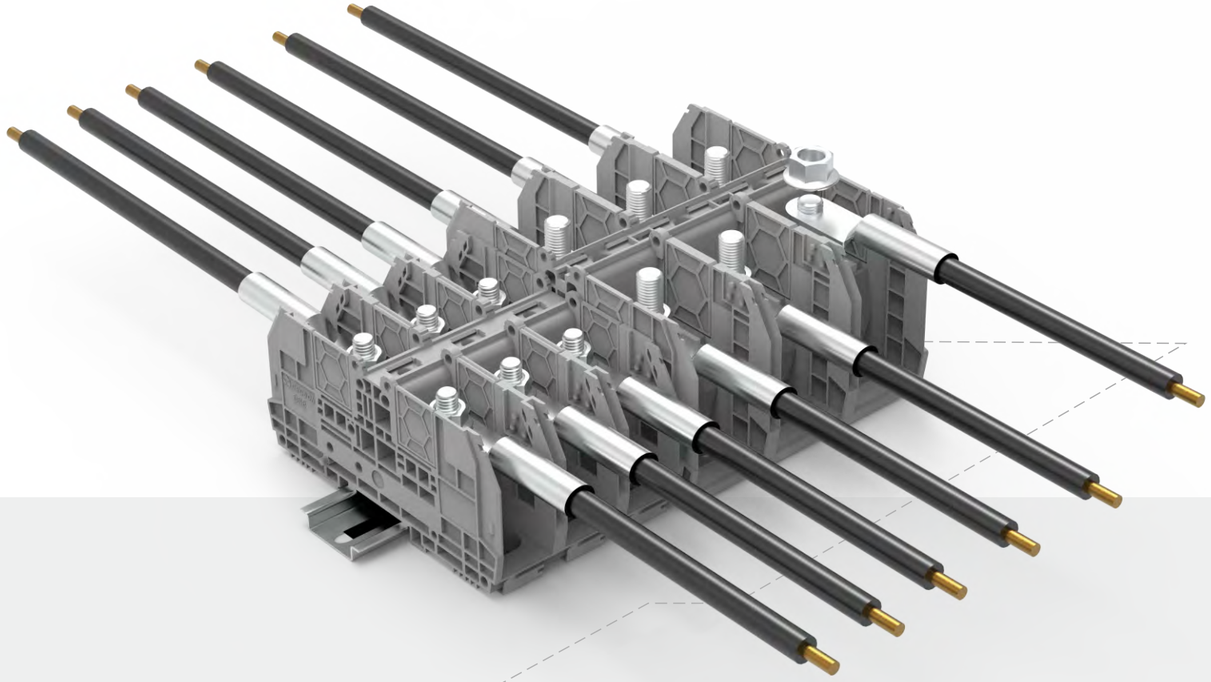
PCTK6-BEN

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)			
Electrical Data		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^2/AWG	0.5-6		26-10		0.5-6		26-10	
Connection capacity		Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm^2	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^2	–	–	–	0.5-4	–	–	–	0.5-4
General Information									
Insulation material/Flammability rating (according to UL 94)		PA/V0				PA/V0			
Operation temperatures	℃ (℉)	-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)			
Accessories									
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			

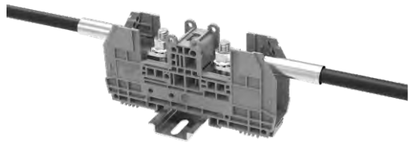
BS Bolt Connection Terminal Blocks

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

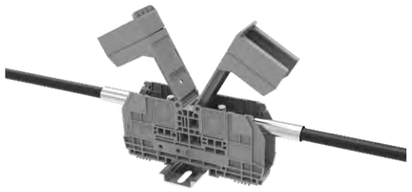


DEGSON
BS Series



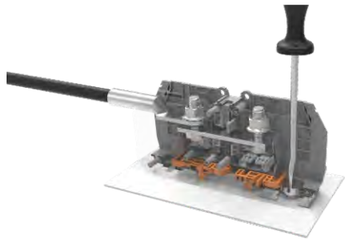
Bolt connection

BS Series products include BS8, BS10 bolt connection terminal blocks, can connect wires with diameters from 2.5mm² to 150mm²



Removable cover

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



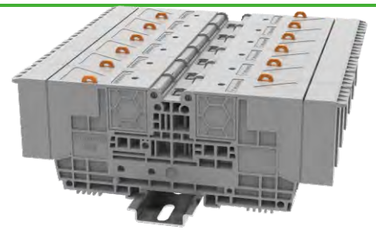
Flexible installation

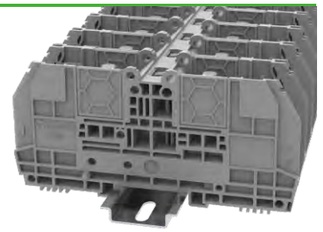
Variety installation methods, available for panel & Rail mounted

BS Series

Bolted connection technology

Bolt type straight through terminal blocks





BS8

BS8 N

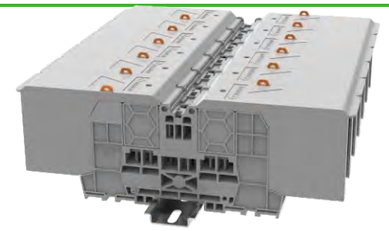
CE RoHS REACH

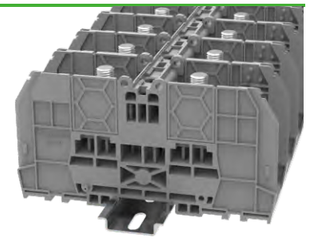
CE RoHS REACH

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)			
Electrical Data		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^2/AWG	2.5-70		16-2/0		2.5-70		16-2/0	
Connection capacity		Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm^2	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^2	–	–	–	–	–	–	–	–
General Information									
Insulation material/Flammability rating (according to UL 94)		PA/V0				PA/V0			
Operation temperatures	℃ (℉)	-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）			
Accessories									
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

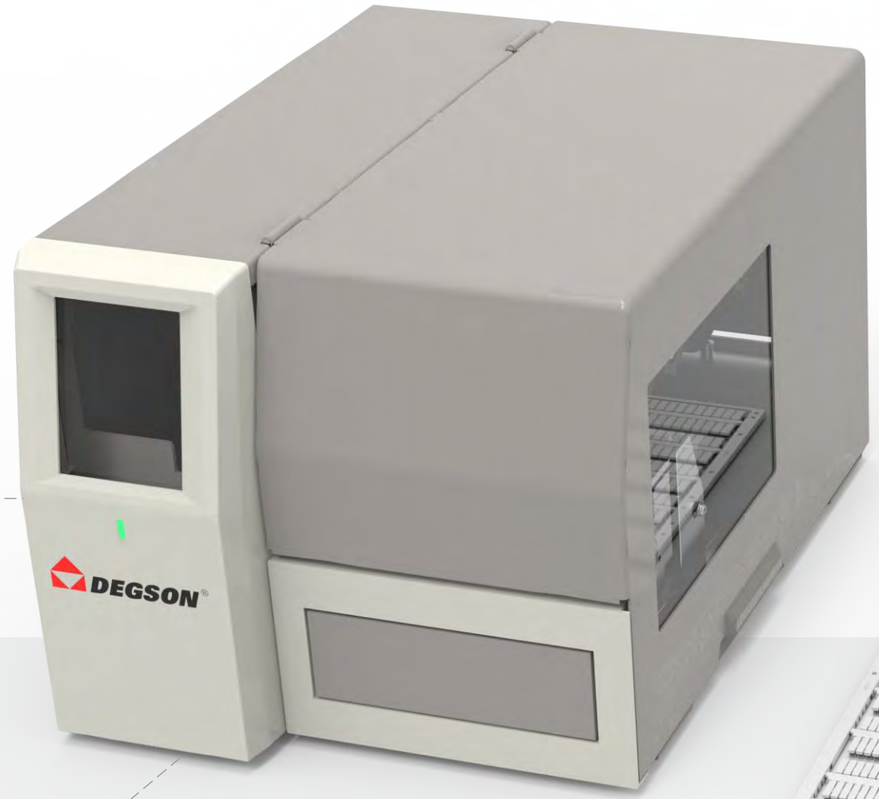
CE RoHS REACH

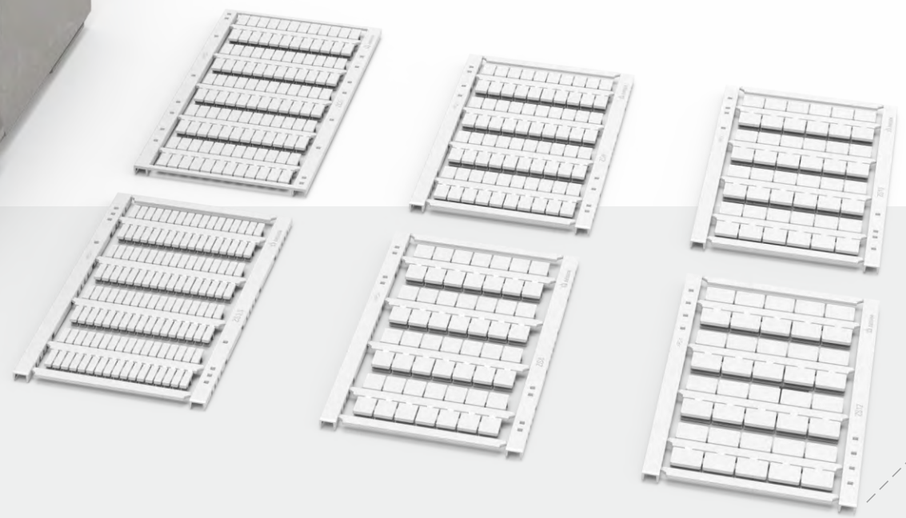
CE RoHS REACH

Order NO.		11070000003				11070000004			
Width/Length/Height(NS35/7.5&NS35/15)	mm	41/235/86(93.5)				41/144/86(93.5)			
Electrical Data		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^2 / kcmil	6-150		10-350		6-150		10-350	
Connection capacity		Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm^2	6-150	6-150	6-150	6-150	6-150	6-150	6-150	6-150
2 flexible conductors with a TWIN ferrule	mm^2	–	–	–	–	–	–	–	–
General Information									
Insulation material/Flammability rating (according to UL 94)		PA/V0				PA/V0			
Operation temperatures	℃ (℉)	-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)			
Accessories									
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		KLM3-20x8 / KLM3-44x8				KLM3-20x8 / KLM3-44x8			
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





DEGSON
Marking System

Marking System

Teminal Blocks Marker

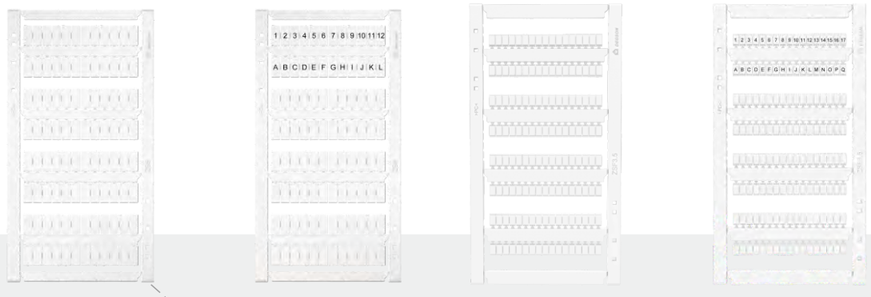
Cable Marker

Device Marker

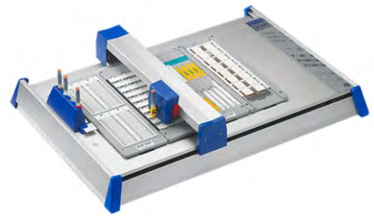
Accessories

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.



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

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	99020000001

Accessories	
Accessories	Order NO.
Template	99020000006
Writing pen	99020000002
Ink	99020000003

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

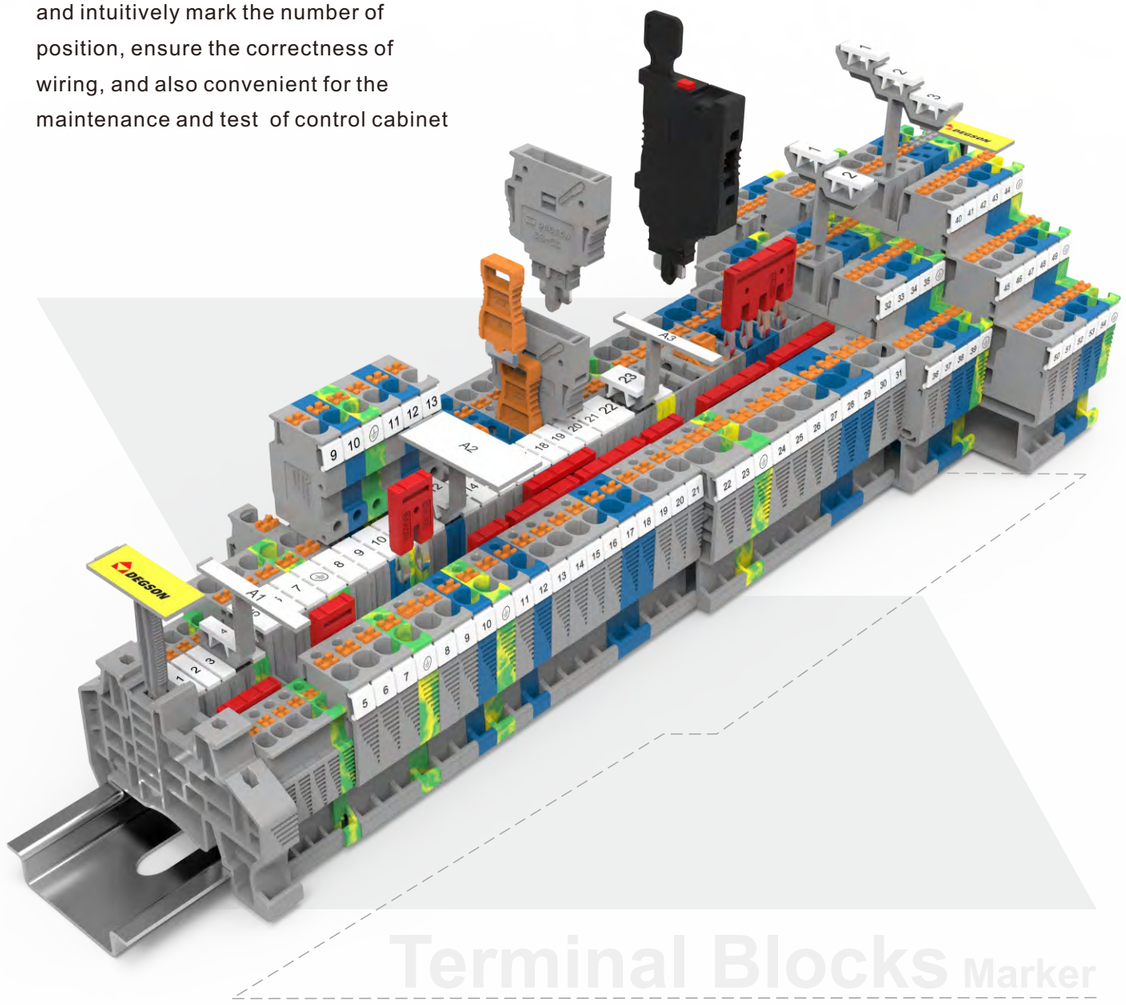
Technical Data			
Dimension(mm)	Width	Length	High
	345	218	256
Temperature range(°C)	0~45		
Print resolution(dpi)	300		
Maximum print width(mm)	102		
Interface	Ethernet / USB Type B / USB3.0 / RS232		

Material Data	
Description: Plate Thermal Transfer Printer	
Type	Order NO.
PTT	99020000073 (To be released)

Accessories	
Accessories	Order NO.
ZS Fixture	/
ZSF Fixture	/

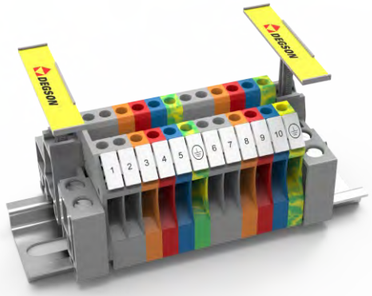
Teminal Blocks Marker

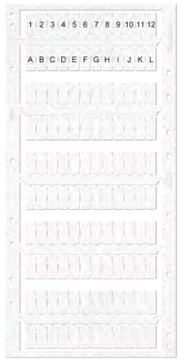
The terminal blocks markers can clearly and intuitively mark the number of position, ensure the correctness of wiring, and also convenient for the maintenance and test of control cabinet



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		
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
	DC	Top

Material Data

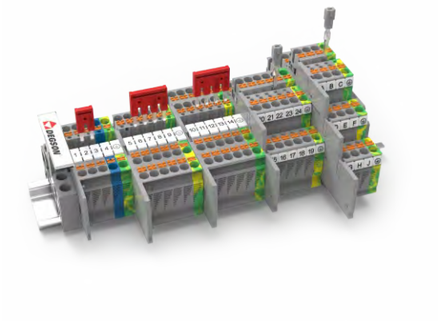
Description: Marker strip, not printed

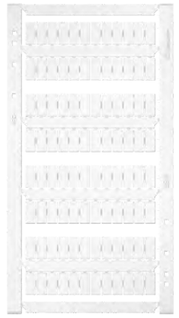
Color: White (please contact sales for other color requirements)

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

The customized serivce 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)

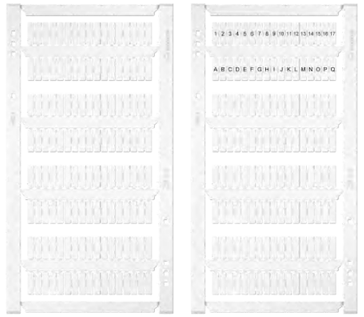
Type	Order NO.	Applicable width(mm)	Number of positions
ZS3.5	11060000590	3.5	136
ZS5	11060000591	5.2	96
ZS6	11060000592	6.2	80
ZS8	11060000593	8.2	56
ZS10	11060000594	10.2	48
ZS12	11060000595	12.2	40

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

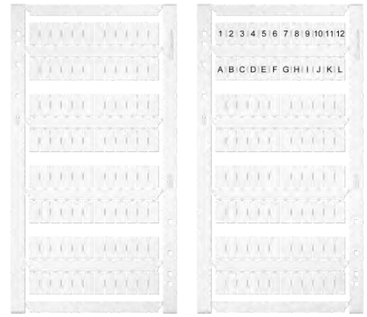
DEGSON Terminal Blocks Marker

ZS Series Markers

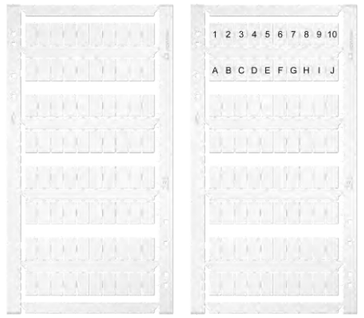
ZS series markers have: ZS3.5, ZS5, ZS6, ZS8, ZS10, ZS12 six series in total.



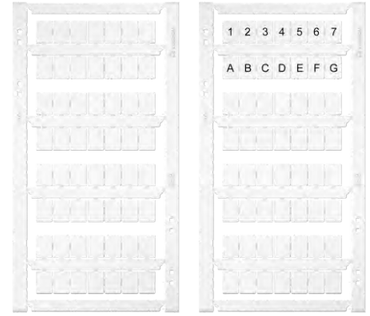
ZS3.5



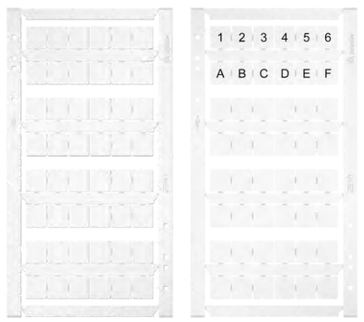
ZS5



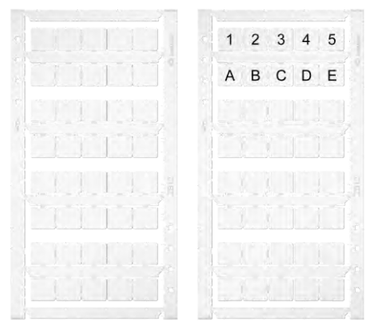
ZS6



ZS8

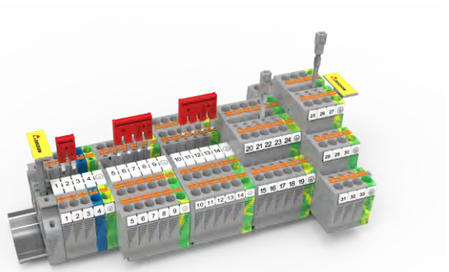


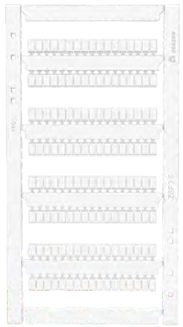
ZS10

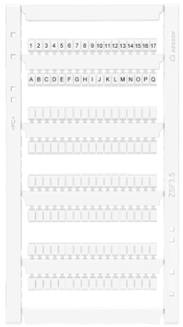


ZS12

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)

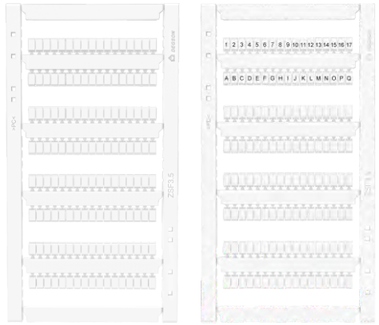
Type	Order NO.	Applicable width(mm)	Number of positions
ZSF3.5	11060000596	3.5	136
ZSF5	11060000597	5.2	96
ZSF6	11060000598	6.2	80
ZSF8	11060000599	8.2	56
ZSF10	11060000600	10.2	48
ZSF12	11060000601	12.2	40

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

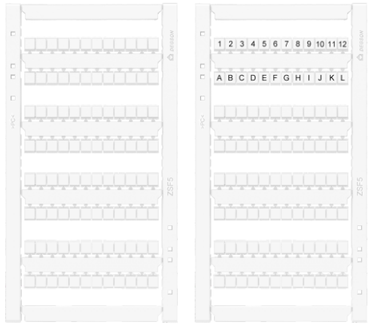
DEGSON
Terminal Blocks Marker

ZSF Series Markers

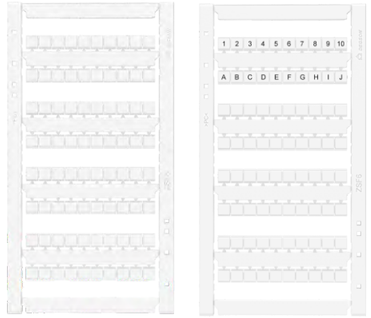
ZSF series markers have ZSF3.5，ZSF5，ZSF6，ZSF8，ZSF10，ZSF12 six series in total.



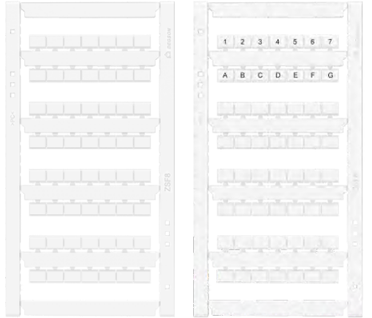
ZSF3.5



ZSF5

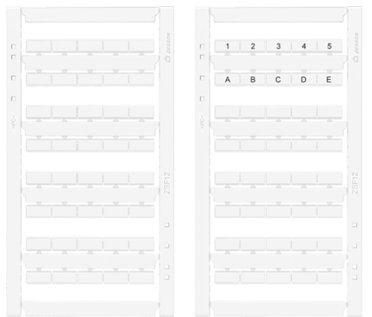


ZSF6



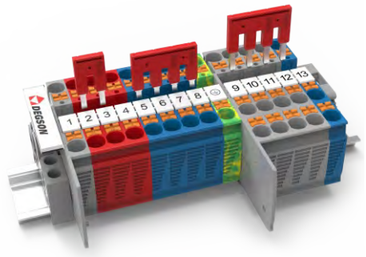
ZSF8

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	

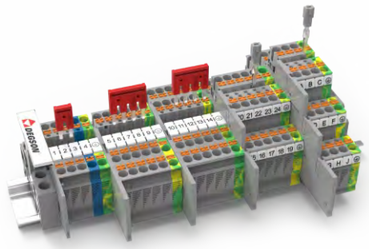
Material Data

Description: Marker strip, not printed
Color: 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 serivce 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	

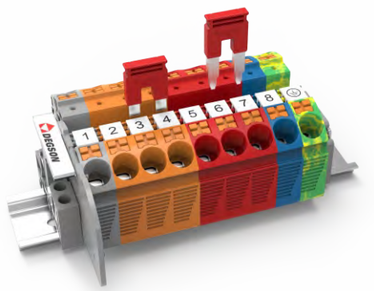
Material Data

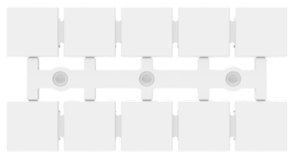
Description: Marker strip, not printed
Color: White (please contact sales for other color requirements)

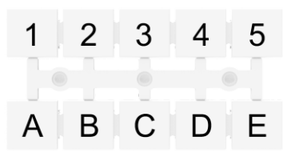
Type	Order NO.	Applicable width(mm)	Number of positions
ZK5	92118901170	5.2	24
ZK6	92118901207	6.2	20

The customized serivce 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

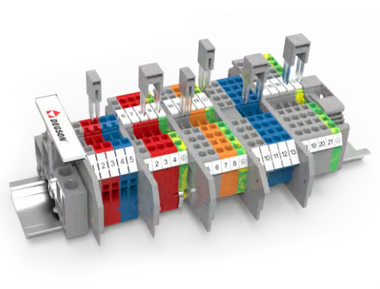
Description: Marker strip, not printed

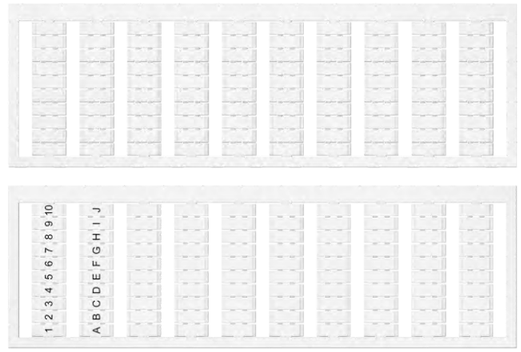
Color: White (please contact sales for other color requirements)

Type	Order NO.	Applicable width(mm)	Number of positions
ZT12	92118901290	12.2	10

The customized serivce 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

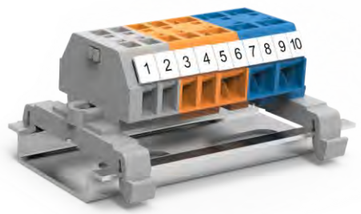
Description: Marker strip, not printed

Color: 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 serivce 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

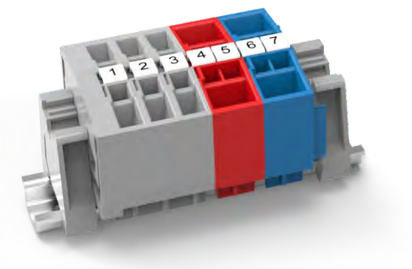
Description: Marker strip, not printed

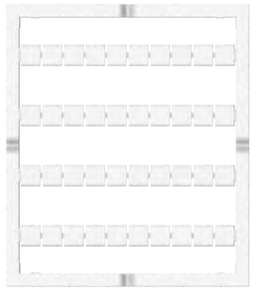
Color: White (please contact sales for other color requirements)

Type	Order NO.	Applicable width(mm)	Number of positions
DEK4	92118900750	4	50
DEK5	92118900753	5	50
DEK6	92118900791	6	50

The customized serivce 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

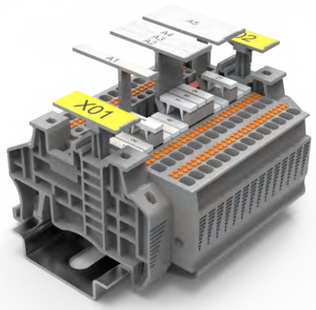
Description : Marker strip, not printed

Color: White (please contact sales for other color requirements)

Type	Order NO.	Applicable width(mm)	Number of positions
ZW5	92118900703	5.1	40

The customized serivce 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

Description: Stuck in the center of the terminal, can be directly marked with DML labels, ZS3.5 or ZS5 installed on the bottom

Color: 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 serivce will be provided according to the special printing requirements of customers.

DMTH Marker Bracket, Useing 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

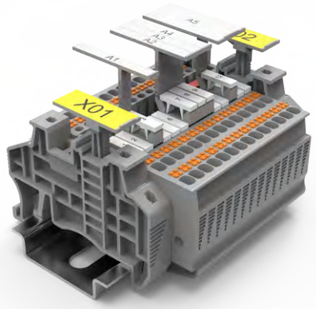
Description: Marker strip, not printed

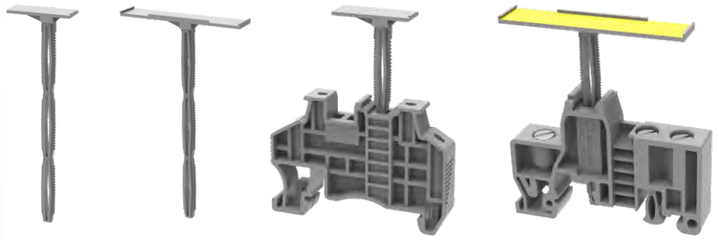
Color: Grey (please contact sales for other color requirements)

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 serivce 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 serivce 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

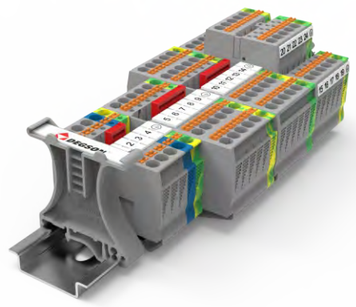
Technical Data			
Dimension(mm)	**Width**	**Length**	**High**
	15.6	44	45.6
Marking material	PA		
Flammability rating, acc.to UL 94	V0		
Temperature range(°C)	-40~105		

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

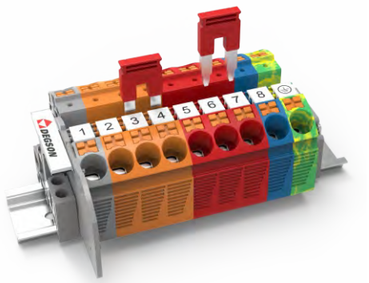
Technical Data			
Dimension(mm)	**Width**	**Length**	**High**
	9.5	43.5	45.9
Marking material	PA		
Flammability rating, acc.to UL 94	V0		
Temperature range(°C)	-40~105		

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

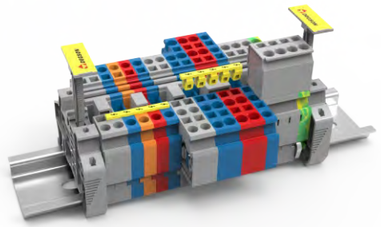
Technical Data			
Dimension(mm)	Width	Length	High
	9.5	46	36.8
Marking material	PC		
Flammability rating, acc.to UL 94	V2		
Temperature range(°C)	-40~110		

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

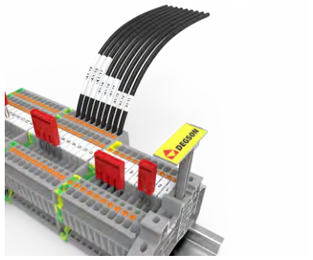
Description: Safety warning marker for WS series
Color: Yellow (please contact sales for other color requirements)

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

Mark Sleeves



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

Development

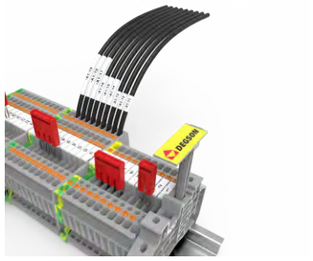
Technical Data	
Applicable printer	Reel printer
Marking material	Polyolefin
Temperature range(°C)	-55~125
Scratch resistance	DIN EN 61010-1 (VDE 0411-1)
Ingredient	Halogen Free

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-shrinked
- 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

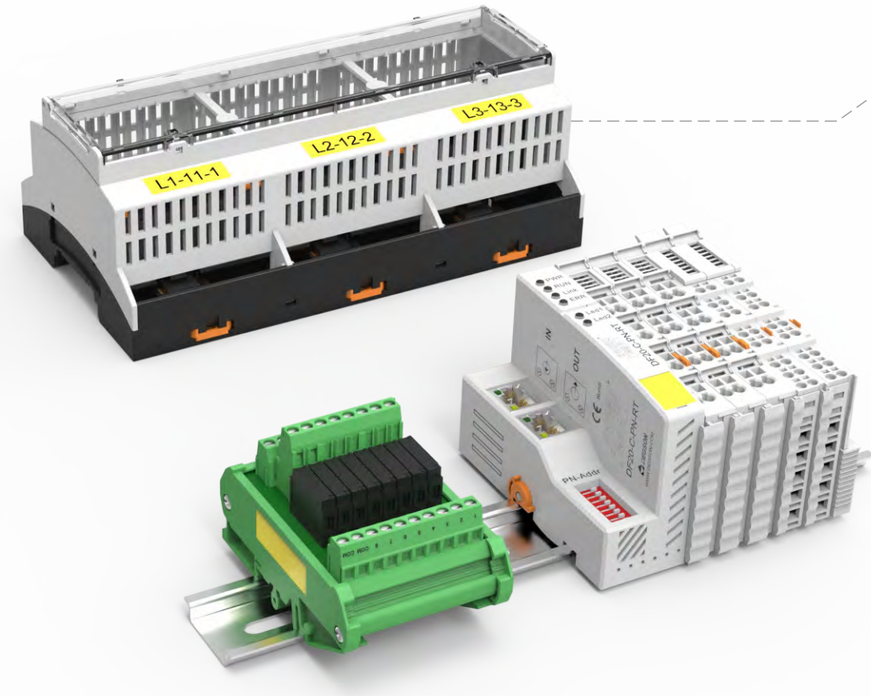
Material Data

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

DMLSelf-adhesive Device Markers

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

Development

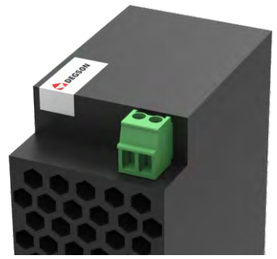
Technical Data	
Applicable printer	Reel printer
Marking material	Polyester
Temperature range(°C)	-40~150
Scratch resistance	DIN EN 61010-1 (VDE 0411-1)
Ingredient	Silicone and gluten free

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

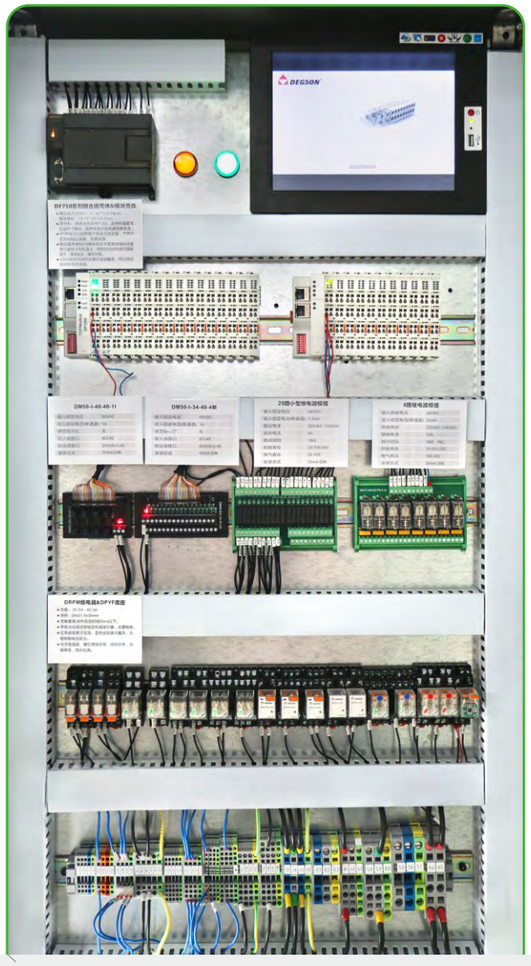
Material Data

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

Description: 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

Description: 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

Snap-in End Stopper


E-PC-1000A(H)


E-PC-1100A(H)


E-PC


E-WS


E-WS N


E-WS-5

- 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

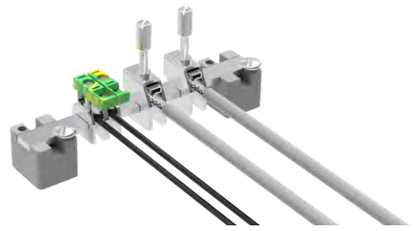
Description: Bracket, insulated, with set screws
Color: Grey

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



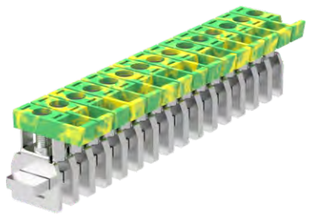
Development

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



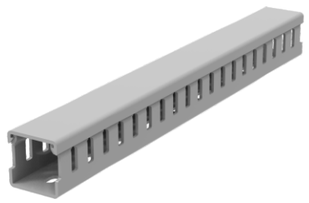
- Use with matching bus bars, suitable for switch cabinets and control equipment

Development

Technical Data

		DKG4	DKG16	DKG35
Rated current(V)		300	300	300
Rated voltage(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^2)		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



- Provide the best solution for in-cabinet wiring

Development

Technical Data

Marking material	PC/ABS
Temperature range(°C)	-40~90
Flammability rating, acc.to UL 94	V0
Ingredient	Halogen Free

Material Data

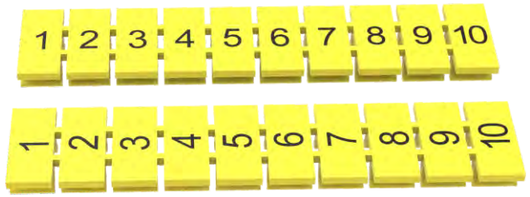
Description: Wire slot, 2 meters length

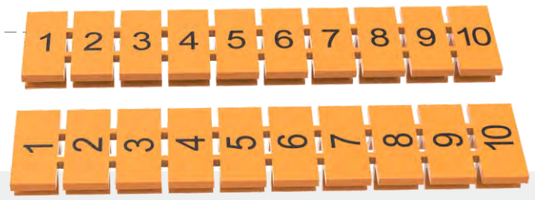
Type	Order NO.	Specification
WD-ZH	/	1 bar= 2m

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.

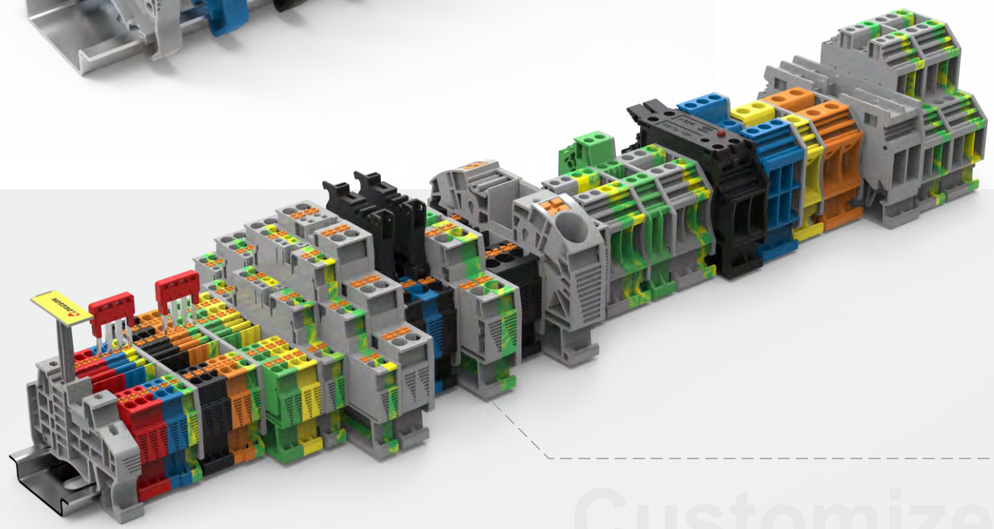




DIN Rail terminal blocks customization

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



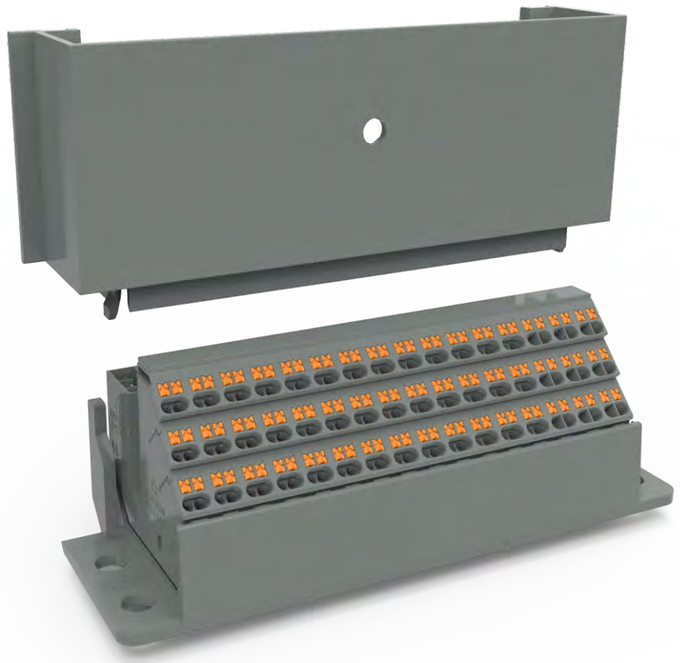
Customized

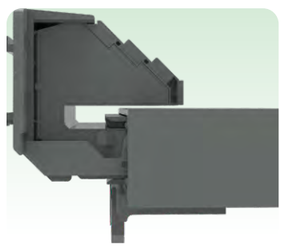
Customized

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 assemblied by modules splicing
- Spring limit structure with independent innovation can make sure connection stablity
- 4 fixing holes on both sides





Customized

Push-in connection technology

Drawer Terminal Block

DS2.5PH-16P

DS2.5PH-24P

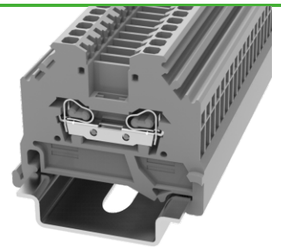
CE EAC RoHS REACH

Dimensions										
Pitch	mm	10&11				10&11				
Electrical Data		IEC61984			UL1059	IEC61984			UL1059	
Pollution degree		2	2	3		2	2	3		
Overvoltage category		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^2/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^2	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^2	—	—	—	—	—	—	—	—	
General information										
Insulation material/Flammability rating(according to UL 94)		PA/V0 PC/V2				PA/V0 PC/V2				
Operation temperature	℃ (℉)	-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 EAC RoHS REACH

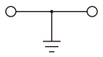
Order NO.		11030000071			
Width/Length/Height(NS35/7.5&NS35/15)	mm	4/42.5/38(45.5)			
Electrical Data		IEC IEC60947-7-1		UL UL1059	
Rated voltage	V	800		600	
Rated current	A	18		10	
Rated cross section	mm^2/AWG	0.2-1.5		28-16	
Connection capacity		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm^2	0.2-1.5	0.2-1.5	0.2-1.5	0.2-1
2 flexible conductors with a TWIN ferrule	mm^2	–	–	–	0.5
General Information					
Insulation material/Flammability rating (according to UL 94)		PA/V0			
Operation temperatures	℃ (℉)	-40(-40)~105(221)			
Stripping length	mm	8-9			
Color		Grey, Red, Blue (please contact sales for other color requirements)			
Accessories					
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



WS2.5-SD-PE

CE EAC RoHS REACH

CE EAC RoHS REACH

Order NO.		11030000195				11030000196			
Width/Length/Height(NS35/7.5&NS35/15)	mm	5/42.5/38(45.5)				5/42.5/38(45.5)			
Electrical Data		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^2/AWG	0.2-2.5		28-12		0.2-2.5		28-12	
Connection capacity		Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm^2	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^2		–	–	0.5	–	–	–	0.5
General Information									
Insulation material/Flammability rating (according to UL 94)		PA/V0				PA/V0			
Operation temperatures	℃ (℉)	-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			
Accessories									
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 WFC2.5-3 WFC2.5-4 WFC2.5-5 WFC2.5-6 WFC2.5-7 WFC2.5-8				/			
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

cULus CE EAC RoHS REACH

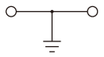
Order NO.		11030000295			
Width/Length/Height(NS35/7.5&NS35/15)	mm	6/41.8/40(47.5)			
Electrical Data		IEC IEC60947-7-1		UL UL1059	
Rated voltage	V	800		600	
Rated current	A	32		20	
Rated cross section	mm^2/AWG	0.2-4		28-12	
Connection capacity		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm^2	0.2-4	0.2-4	0.2-4	0.2-4
2 flexible conductors with a TWIN ferrule	mm^2	—	—	—	0.5
General Information					
Insulation material/Flammability rating (according to UL 94)		PA/V0			
Operation temperatures	℃ (℉)	-40(-40)~105(221)			
Stripping length	mm	11-12			
Color		Grey, Red, Blue (please contact sales for other color requirements)			
Accessories					
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



WS6-SD-PE

cULus CE EAC RoHS REACH

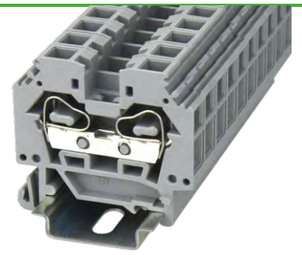
CE EAC RoHS REACH

Order NO.		11030000315				11030000319			
Width/Length/Height(NS35/7.5&NS35/15)	mm	8/46.5/44.5(52)				8/46.5/44.5(52)			
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^2/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^2	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^2	—	—	—	0.5-2.5	—	—	—	0.5-2.5
General Information									
Insulation material/Flammability rating (according to UL 94)		PA/V0				PA/V0			
Operation temperatures	℃ (℉)	-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			
Accessories									
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			

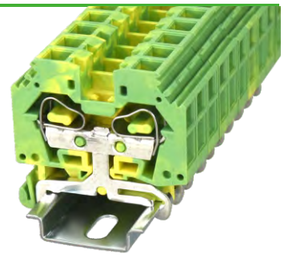
Customized

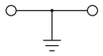
Spring-cage connection technology

Feed-through, multi-conductor and ground terminal blocks



WS10-SD





WS10-SD-PE

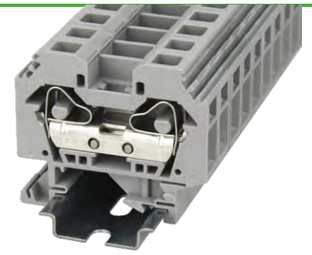
CE EAC RoHS REACH

Order NO.		11030000021				11030000022			
Width/Length/Height(NS35/7.5&NS35/15)	mm	10/52/49(56.5)				10/52/49(56.5)			
Electrical Data		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^2/AWG	0.2-10		24-8		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^2	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^2	–	–	–	0.5-4	–	–	–	0.5-4
General Information									
Insulation material/Flammability rating (according to UL 94)		PA/V0				PA/V0			
Operation temperatures	℃ (℉)	-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			
Accessories									
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			

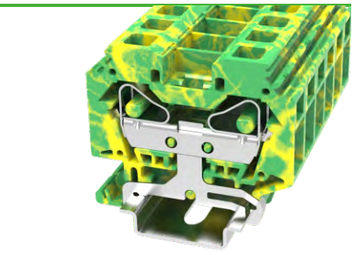
Customized

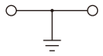
Spring-cage connection technology

Feed-through, multi-conductor and ground terminal blocks



WS16-SD





WS16-SD-PE

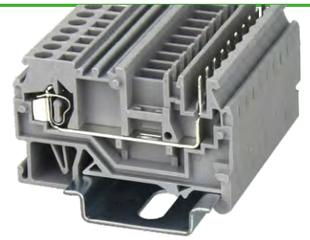
CE EAC RoHS REACH

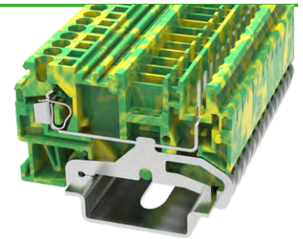
Order NO.		11030000086				11030000088			
Width/Length/Height(NS35/7.5&NS35/15)	mm	12/58/52.6(60.1)				12/58/52.6(60.1)			
Electrical Data		IEC IEC60947-7-1		UL UL1059		IEC IEC60947-7-2		UL UL1059	
Rated voltage	V	800		600		/		/	
Rated current	A	76		66		/		/	
Rated cross section	mm^2/AWG	0.2-16		24-6		0.2-16		24-6	
Connection capacity		Solid	Stranded	Ferrule (with and without plastic sleeve)		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm^2	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^2	–	–	–	0.5-6	–	–	–	0.5-6
General Information									
Insulation material/Flammability rating (according to UL 94)		PA/V0				PA/V0			
Operation temperatures	℃ (℉)	-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			
Accessories									
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

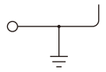
Spring-cage connection technology

Plug-in connection and its ground terminal blocks





WS2.5P



WS2.5P-PE

cULus CE EAC RoHS REACH

CE EAC RoHS REACH

Order NO.		11030000167				11030000185			
Width/Length/Height(NS35/7.5&NS35/15)	mm	5/53/35.45(42.95)				5/53/35.45(42.95)			
Electrical Data		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^2/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^2	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^2	–	–	–	0.5	–	–	–	0.5
General Information									
Insulation material/Flammability rating (according to UL 94)		PA/V0				PA/V0			
Operation temperatures	℃ (℉)	-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			
Accessories									
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 WFC2.5-3 WFC2.5-4 WFC2.5-5 WFC2.5-6 WFC2.5-7 WFC2.5-8				/			
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 EAC RoHS REACH

Order NO.		11010000008			
Width/Length/Height(NS35/7.5&NS35/15)	mm	10.2/48/48.5(56)			
Electrical Data		IEC IEC60947-7-1		UL UL1059	
Rated voltage	V	1000		600	
Rated current	A	57		65	
Rated cross section	mm^2/AWG	0.5-10		20-6	
Connection capacity		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm^2	0.2-10	0.2-10	0.2-10	0.2-10
2 flexible conductors with a TWIN ferrule	mm^2	–	–	–	0.5-6
General Information					
Insulation material/Flammability rating (according to UL 94)		PA/V0			
Operation temperatures	℃ (℉)	-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)			
Accessories					
Ferrule		/			
Slotted screwdriver size (Blade thickness x Width)	mm	1x4			
Fixed bridge(10P)		FBRI10-10			
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 EAC RoHS REACH

Order NO.		11010000167			
Width/Length/Height(NS35/7.5&NS35/15)	mm	12.2/48.5/55.3(62.8)			
Electrical Data		IEC IEC60947-7-1		UL UL1059	
Rated voltage	V	1000		600	
Rated current	A	76		85	
Rated cross section	mm^2/AWG	1-16		16-4	
Connection capacity		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm^2	0.2-16	0.2-16	0.2-16	0.2-16
2 flexible conductors with a TWIN ferrule	mm^2	—	—	—	0.5-6
General Information					
Insulation material/Flammability rating (according to UL 94)		PA/V0			
Operation temperatures	℃ (℉)	-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)			

Accessories

Ferrule		/
Slotted screwdriver size (Blade thickness x Width)		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 EAC RoHS REACH

Order NO.		11010000064			
Width/Length/Height(NS35/7.5&NS35/15)	mm	16.2/60/66.25(73.75)			
Electrical Data		IEC IEC60947-7-1		UL UL1059	
Rated voltage	V	1000		600	
Rated current	A	125		150	
Rated cross section	mm^2/AWG	0.5-35		14-1/0	
Connection capacity		Solid	Stranded	Ferrule (with and without plastic sleeve)	
1 conductor	mm^2	0.2-35	0.2-35	0.2-35	0.2-35
2 flexible conductors with a TWIN ferrule	mm^2	—	—	—	0.75-10
General Information					
Insulation material/Flammability rating (according to UL 94)		PA/V0			
Operation temperatures	℃ (℉)	-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)			

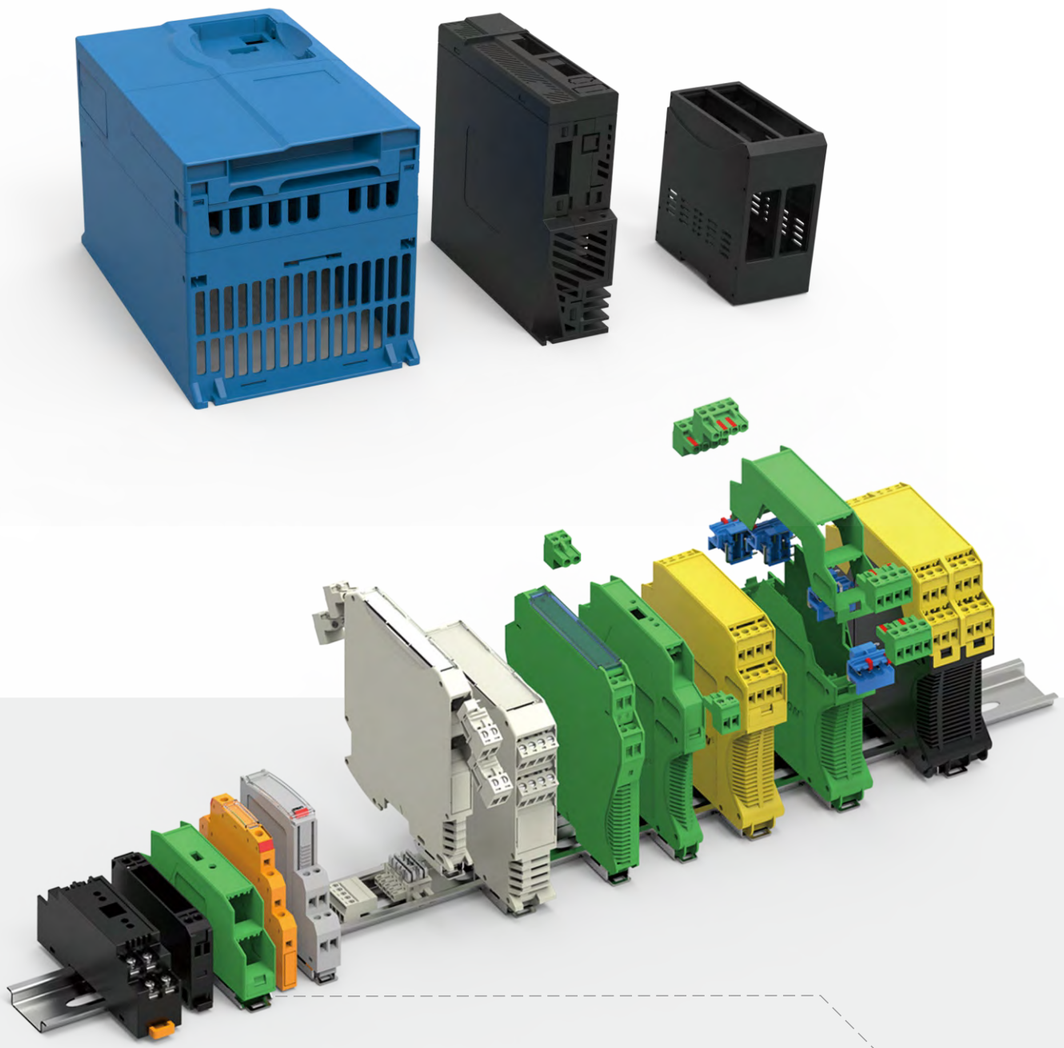
Accessories

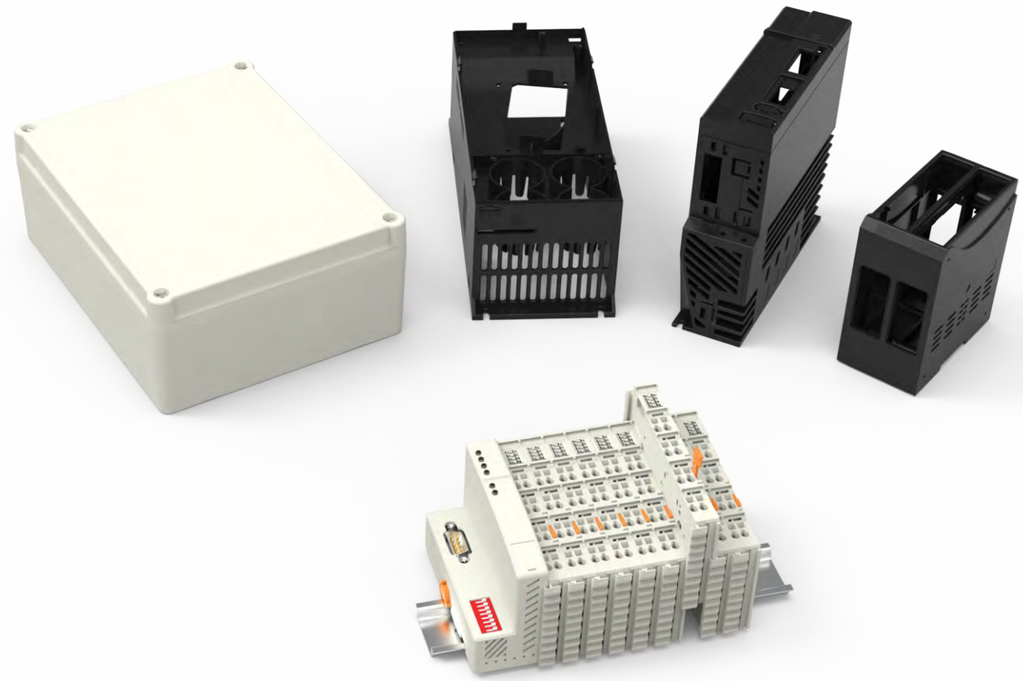
Ferrule		/
Slotted screwdriver size (Blade thickness x Width)		1x6. 5
Fixed bridge(10P)		FBRI12-16
Insertion bridge（2-10P ）		/
End cover		/
Separating disk		TS-K
Partition plate		/
Marker		ZT12
Marker support		/
Terminal strip marker support		DLM2 / KLM3-20x8 / KLM3-44x8
End clamp		E-PC 1100A / E-WS N

Customized Housing Solutions

Feature

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



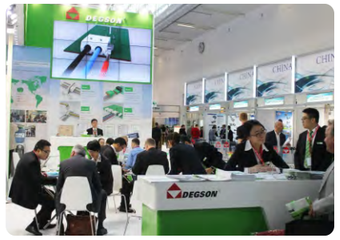


Customized Capabilities

- 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 it's 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.



Marketing Service

Product Design、Mould Design

Test

Stamping Mould Development

Plastic Mould Development

Automation Equipment Development

Injection

Stamping

Lathe

Pad Printing

Ultrasonic Welding

Cable Harness

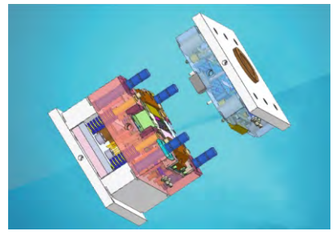
Electroplating (Outsourcing)

Assembly

R&D

With more than 20 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)

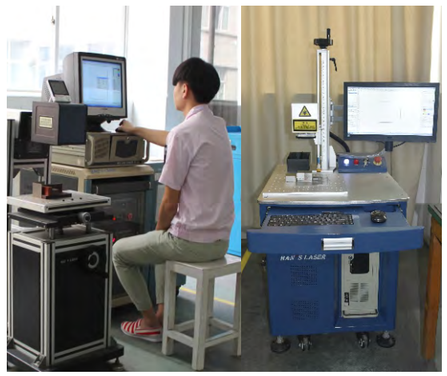
Tooling Quality Control

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) set

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 efficience and precision. We can stamp various materials including, brass, phosphor bronze, beryllium copper, Alpaka , stainless steel and so on.

Turning machies

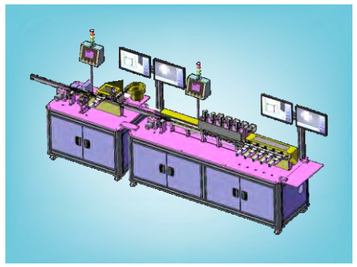
Automatic (spring) forming machines

Precise plastic injection machines

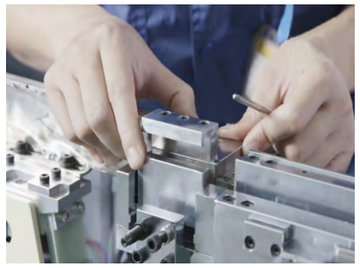
Precise high speed stamping machines

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.

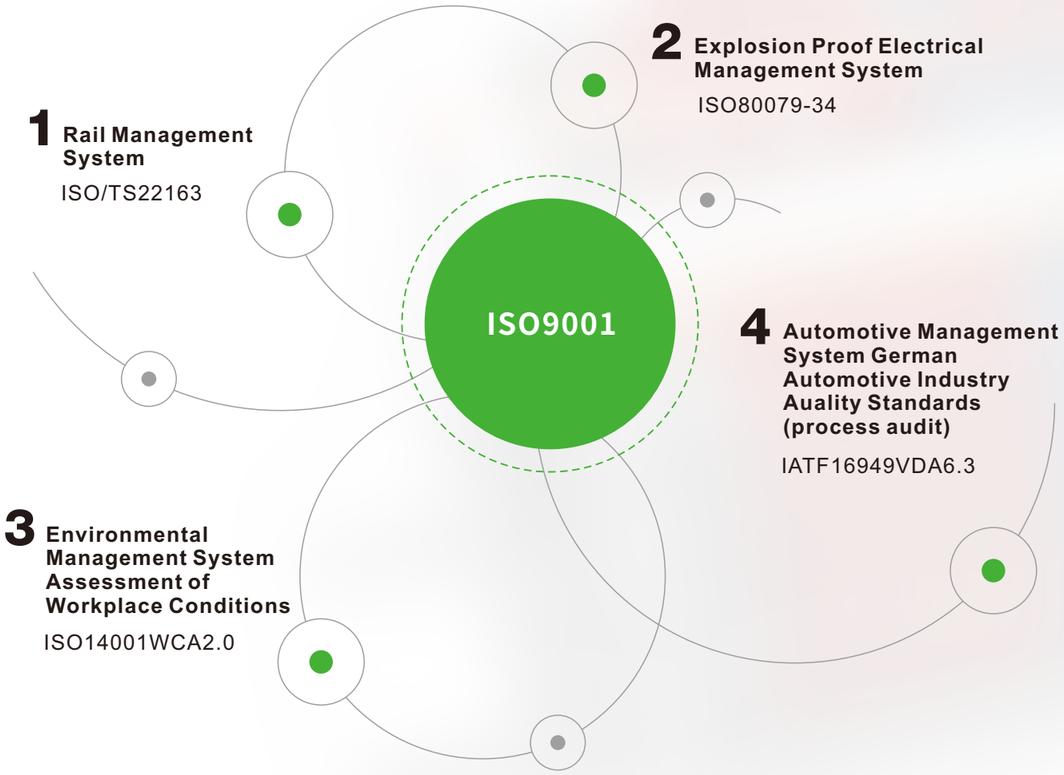
Manual assembly lines to meet customer diversified customized requirements.

EV Charger automatic assembly lines.

Din Rail Terminal Blocks Test Standard

Quality Core Factors

The quality core factors coming frm 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

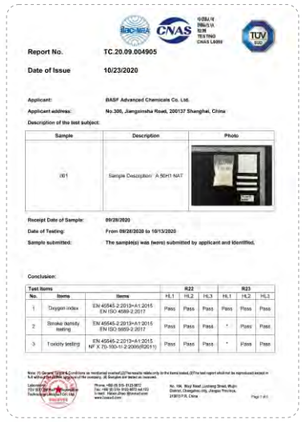
DIN-rail terminal blocks have passed tests that require more than basic standards and are therefore suitable for use in a variety of industries, including electricity, rail, process control, chemical, petrochemical, and shipbuilding

Electricity

Consistent confirmation by a nationally recognized professional laboratory for electricity feild

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	DEGSON
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	DEGSON
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

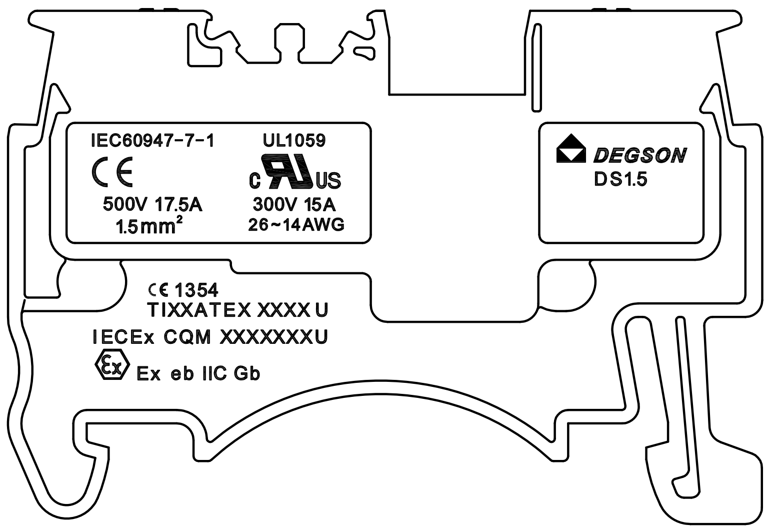
  1) Store at 95°C and 95% humidity for 14 days (336H)

  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 (mm²) 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

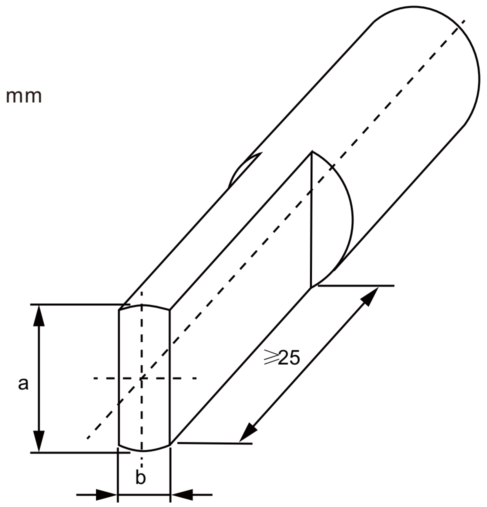
Definition of rated wiring capacity: maximum and minimum cross-sectional area (at least two grades difference) and the number of connectable wires, rail terminals are designed according to this wiring capacity

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)

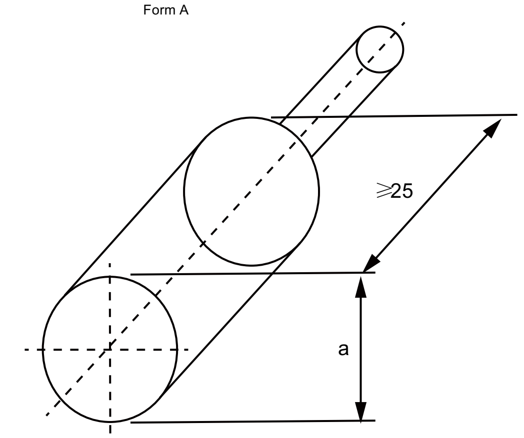
Wires and plug gauges must be capable of unrestricted insertion or access to the terminal

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



Form A



Form B

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

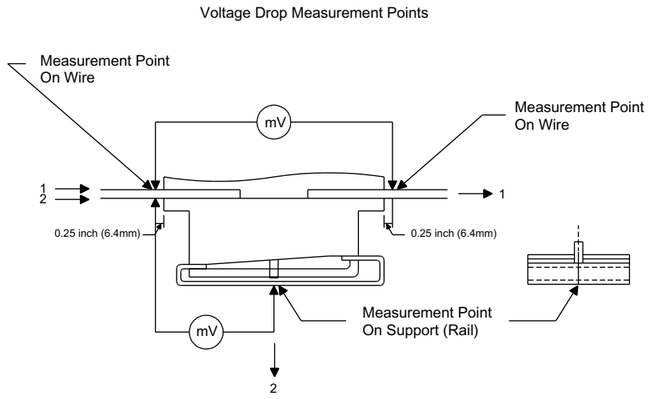
- Testing method:

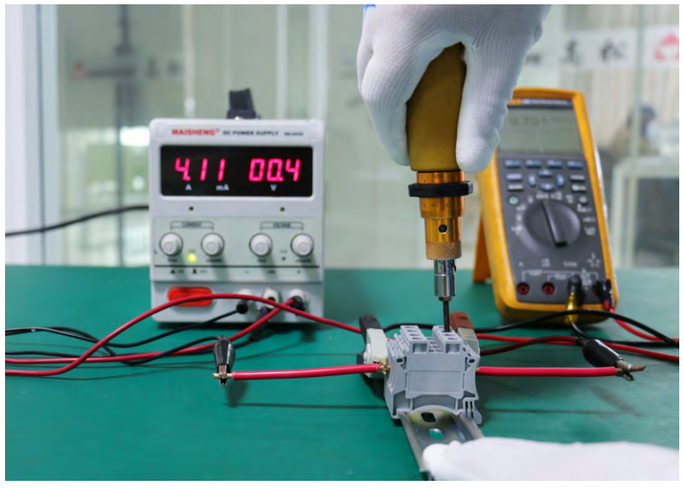
  1) Spring structure: Rigid conductors of rated cross-section are inserted 5 times into the two connection points of the five terminals and removed from them

  2) 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

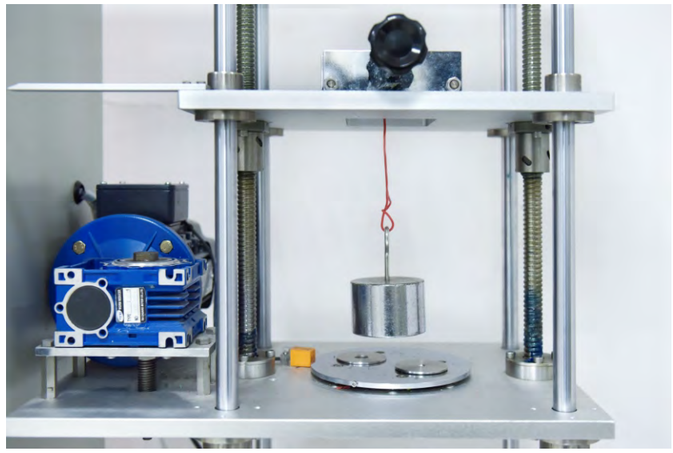
- Testing purposes:
  Check the firmness of the connecting wire of the terminal block

- 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^2)	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^2)	-	-	-	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

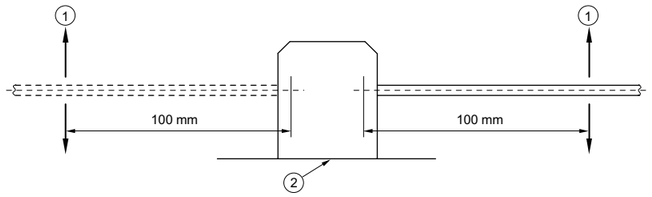
Test of din rail terminal blocks mounted on brackets

- 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



Key
1 —Force;
2 —Rail or support

Wire diameter (mm^2)	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:
  1) 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)

  2) 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)

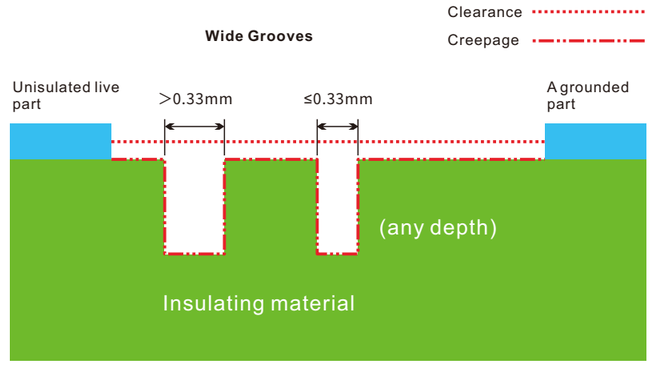
- Judgement standard:
  Meet the standard range values determined by IEC60947 and UL1059

- 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

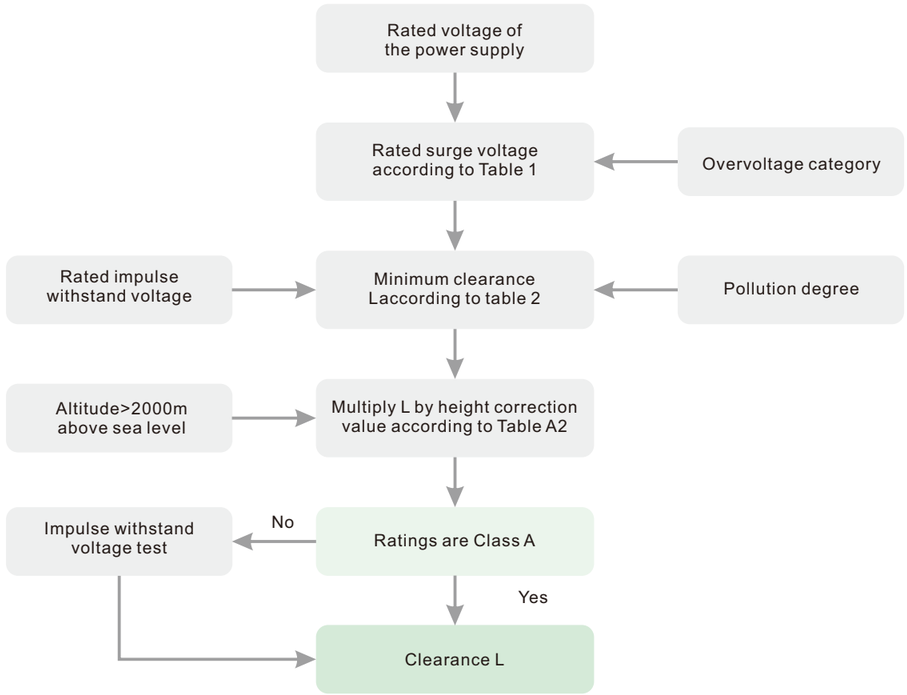
Minimum acceptable spacings

	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[a]	(1.6)[a]	1/16[a]	(1.6)[a]
		151-300	3/32[a]	(2.4)[a]	3/32[a]	(2.4)[a]
		301-600	3/8	(9.5)	1/2	(12.7)
C.	Industrial, general					
		51-150	1/8[a]	(3.2)[a]	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[a]	(1.6)[a]	1/8[a]	(3.2)[a]
		301-600	3/16[a]	(4.8)[a]	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.
a 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 system① (mains) as per IEC 60038③			Conductor-neutral conductor voltage derived from the total nominal AC voltage or nominal DC voltage [V]	Rated surge voltage② [V] Overvoltage category④			
Three phase [V]		Single phase [V]		I	II	III	IV
			50	330	500	800	1500
			100	500	800	1500	2500
		120 to240	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	Case A Non-uniform electric field (refer to 3.15)			Case B Uniform electric field (refer to 3.14)		
	Pollution degree⑥			Pollution degree⑥		
[KV]	1 [mm]	2 [mm]	3 [mm]	1 [mm]	2 [mm]	3 [mm]
0.33②	0.01	0.2③④	0.8④	0.01	0.2③④	0.8④
0.40	0.02			0.02		
0.5②	0.04			0.04		
0.60	0.06			0.06		
0.80②	0.10			0.10		
1.0	0.15			0.15		
1.2	0.25	0.25		0.2		
1.5②	0.5	0.5		0.3	0.3	
2.0	1.0	1.0	1.0	0.45	0.45	
2.5②	1.5	1.5	1.5	0.6	0.6	
3.0	2.0	2.0	2.0	0.8	0.8	
4.0②	3	3	3	1.2	1.2	1.2
5.0	4	4	4	1.5	1.5	1.5
6.0②	5.5	5.5	5.5	2	2	2
8.0②	8	8	8	3	3	3
10	11	11	11	3.5	3.5	3.5
12②	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

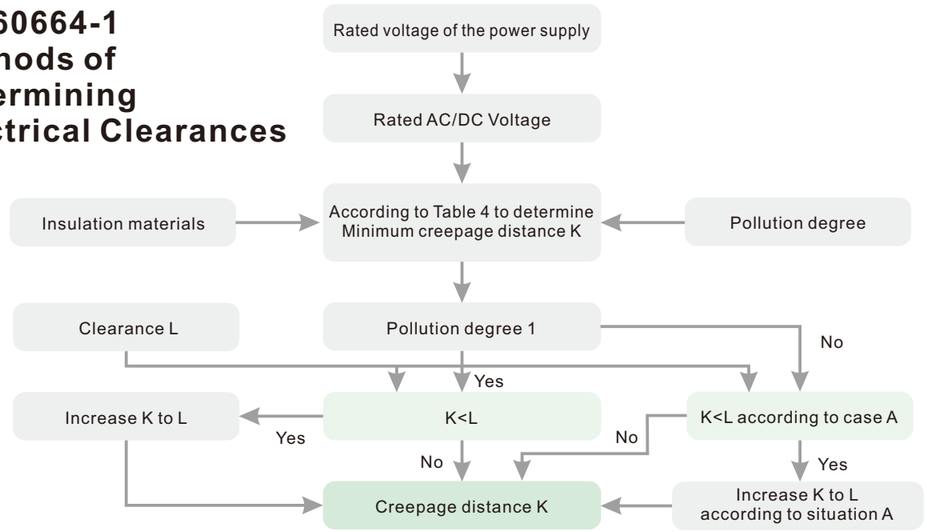
③ The values for pollution degree 1 apply to the PCB, but only within 0.04mm of the values specified in Table 4 are allowed

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 RMS①	Minimum creepage distance									
	PCB		Pollution degree							
	Pollution degree		1		2		3			
	1	2	Insulation material category		Insulation material category		Insulation material category			
	All Insulation Material Categories	All insulating material classes except class III b			I	II	III	I	II	III②
[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 ≤CTI
- Insulation material group II: 400 ≤ CTI ＜ 600
- Insulation material group III a: 175 ≤ CTI ＜ 400
- Insulation material group III b: 100 ≤ 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 test (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 ≤600 V:
Test voltage = 1000 V + 2 x Rated insulation voltage U_i
601 V~1500 V:
Test voltage = 2000 V + 2.25 x Rated insulation voltage U_i

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

Table 12A-Dielectric test voltage corresponding to the rated insulation voltage

Rated insulation voltage U_i V	AC test voltage (r.m.s.) V	DC test voltage [b, c]
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.

Table 12-impulse withstand test voltages

Rated impulse withstand voltage U_{imp} KV	Test voltages and corresponding altitudes $U_{1.2/50}$ KV				
	Sevel level	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

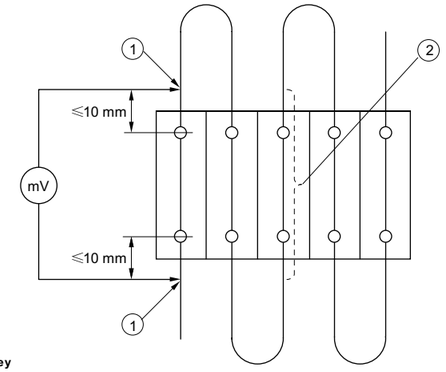
Din Rail terminal blocks Voltage-drop test

- 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 ≤10 mm from the middle of the terminal point (see diagram)

- Judgement standard:
  At 20°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(mm²)	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 (≤10mm²) or 2m (>10mm²) 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 (10mm², L=1m; > 10mm², L=2m)

  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 (10mm², L=1m;> 10mm² , L=2m)

  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°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

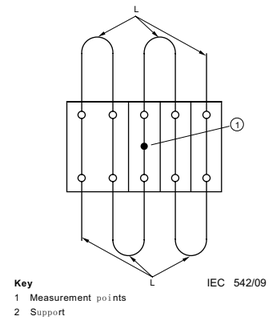
  The maximum permissible temperature rise of the terminal block is 45 K. Before and after the Temperature-rise test, the voltage drop test of the five terminal blocks is required

  3) IEC61984

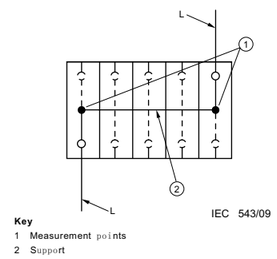
  The temperature rise on the terminal contacts must not exceed the upper material temperature

  4) UL1059

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



a) Group Temperature-rise test layout



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

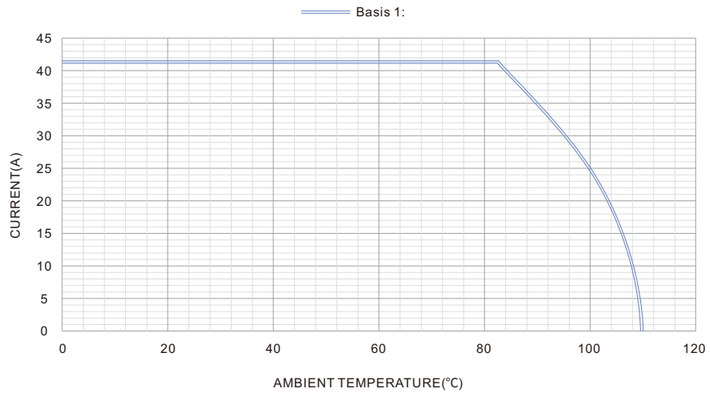
- Testing purpose:
  When choosing a connector, pay attention to the structural requirements of the connector and the size of the current carrying capacity

- 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 4mm² wire, the maximum allowable ambient temperature is 80℃. If the temperature is higher, the current will be reduced. For example, when the ambient temperature is 100°C, the carrying current will be reduced to 20A.

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

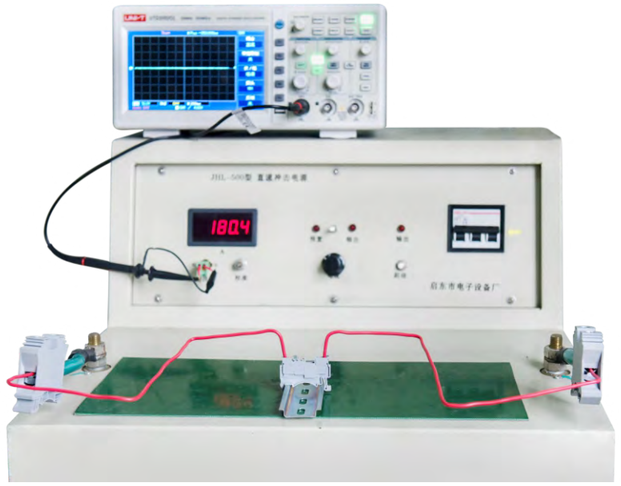
Instantaneous Impulse Current Strength Test of Din Rail Terminal Blocks

- 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 A/mm² (current x rated cross-section) for 1 second. The test process is carried out in three rounds (see schematic diagram)

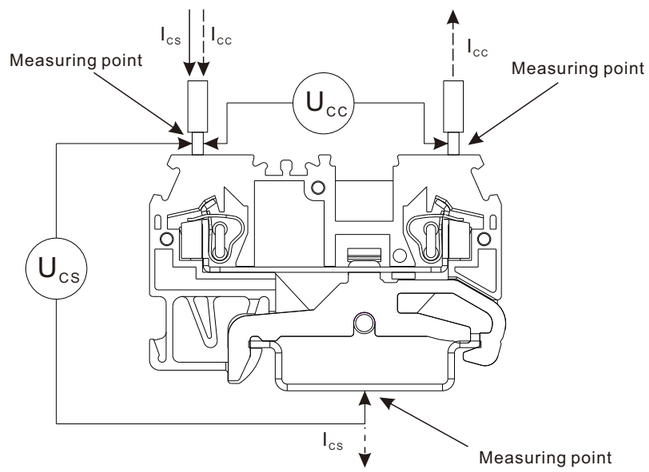
- Judgement standard:
  After the test is completed, the components are undamaged and can be used further, which shows test meets requirement. The terminal blocks must pass the voltage drop test before and after this test. The voltage drop on each terminal block before and after the test shall not exceed 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 95mm² high current terminal block is 11400A.



In this test, the protective earth terminal block can withstand a secondary current of 120A/mm² 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:
  1) 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°C and T+45°C, respectively. The ramp-up phase continued for 10 minutes after reaching the maximum temperature T+45°C. The power is then disconnected, and the voltage drop is measured once after cooling to about 20°C, or after 24 cycles. There are 192 cycles in the whole testing process

  2) 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

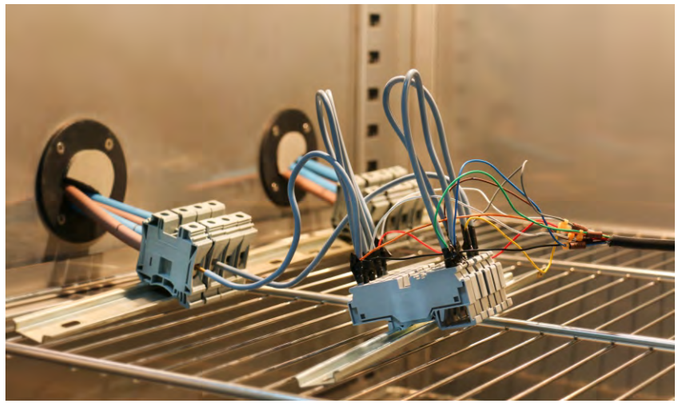
- Judgement standard:

  1) 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

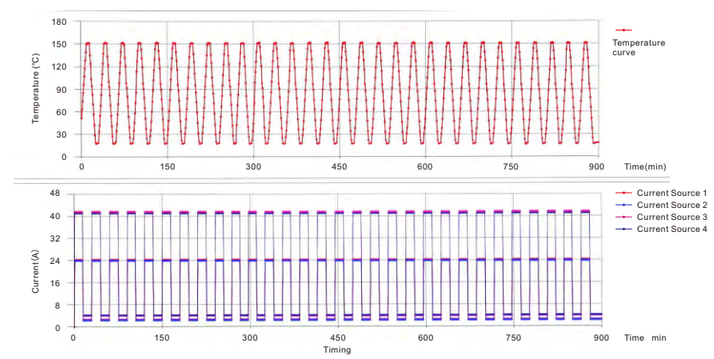
  2) UL: The maximum temperature rise value of the 84th cycle is not greater than the maximum temperature rise value of the first cycle by 5 degrees

- 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

DEGSON
Test Standard

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

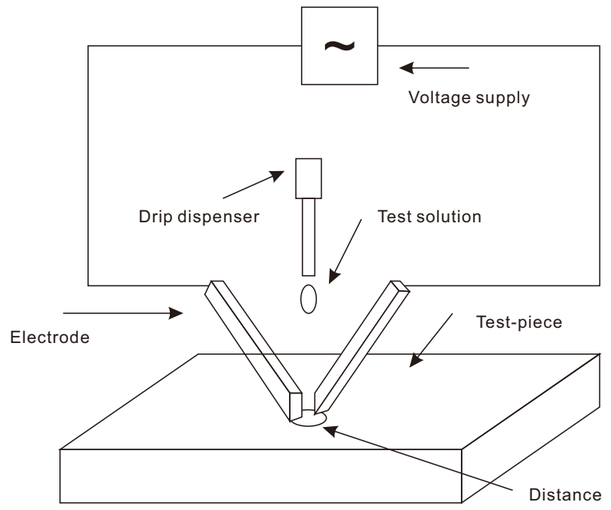
Din Rail Terminal Blocks Comparative Tracking Index(CTI) according to IEC 60112

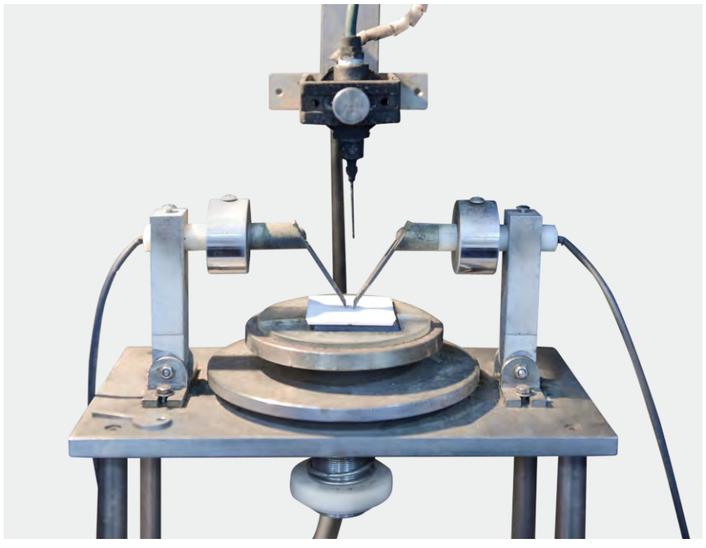
- Testing purpose:
  Humidity and contamination can affect the creepage distance of plastic surfaces. The CTI value of plastic refers to the prevention of leakage caused by creepage gaps

- 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 ≥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

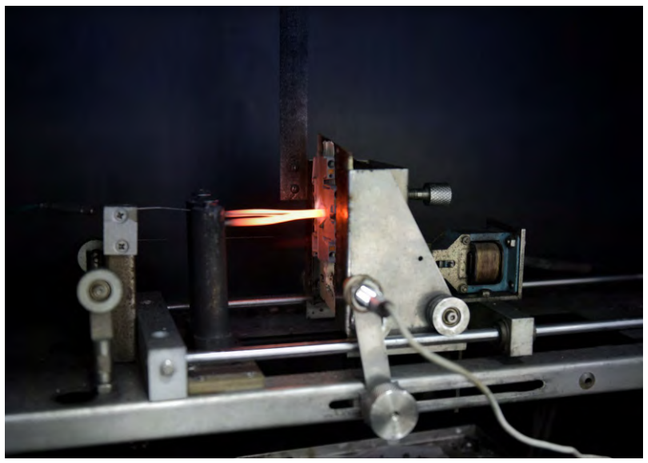
Din Rail Terminal Block Glow Wire Compliant to IEC 60695-2-11/-12

- 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

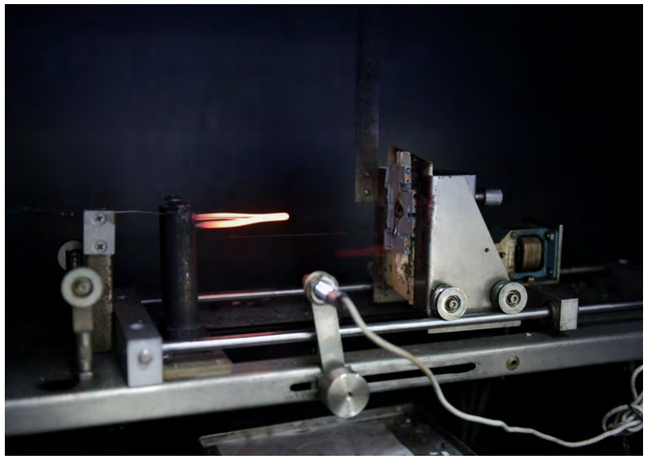
- Testing method:
  In the glow wire test, the glow wire is heated to a specified temperature (750°C, 850°C or 960°C). As shown in the figure, use a pushing force of 1N, and vertically touch the glow wire to the thinnest part of the test piece shell and heat for 30s

- 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

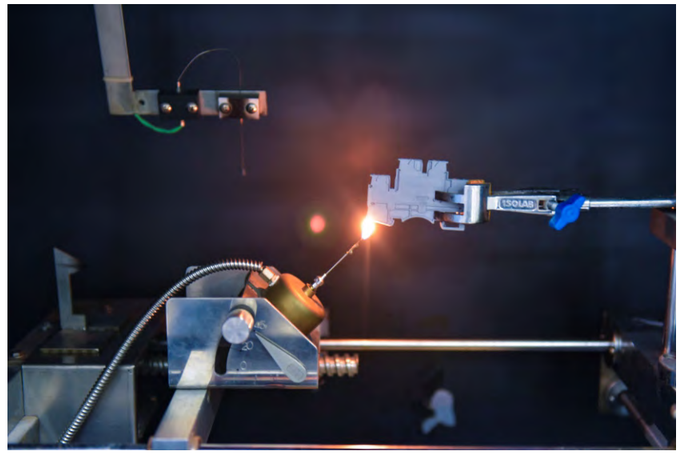
- Testing purpose:
  In the fire test, an external fire source is used to directly approach the test component, and it acts directly on the component from the outside to simulate the flame retardant performance of the component.

- 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

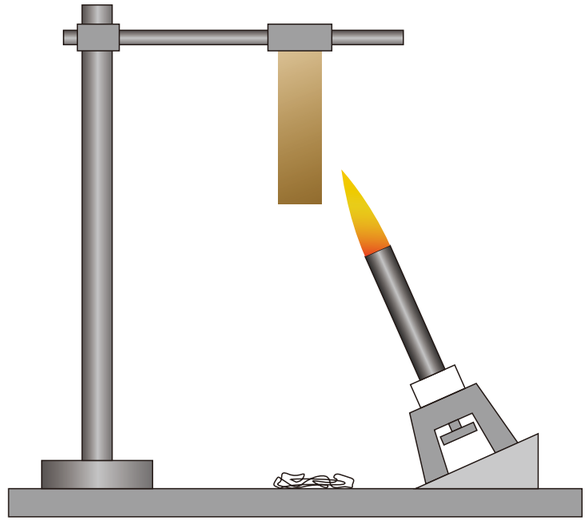
IEC 60947-7-1/-2 Material Property Testing

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

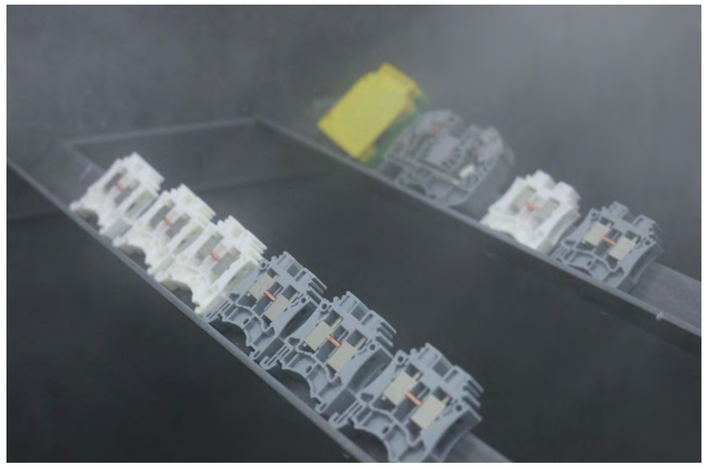
- Testing purpose:
  In salt spray environment, technical components must be able to function continuously in aggressive environment. The air contains salt and high humidity, and the metal parts used are required to have strong corrosion resistance. According to the above standards, the impact on the 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

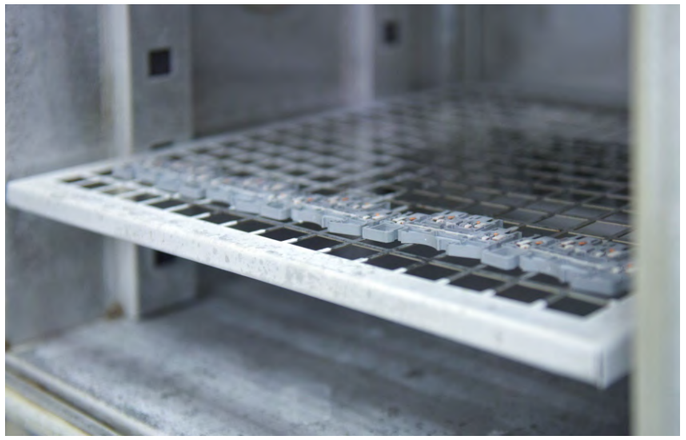
Din Rail Terminal Blocks Temperature Cycling Test

- 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

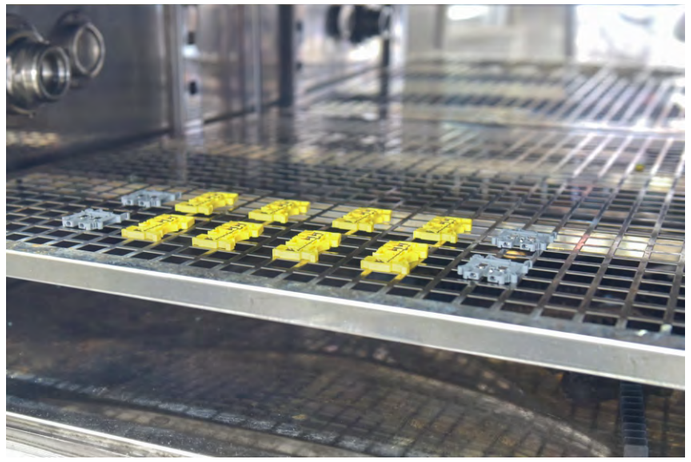
- Testing method:
  The 5 terminal blocks for connecting the rated cross-section conductors are mounted on the rail and subjected to temperature shock using a dual temperature control test. Set the temperature in the box to the upper limit temperature of the terminal blocks +105°C and the lower limit 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

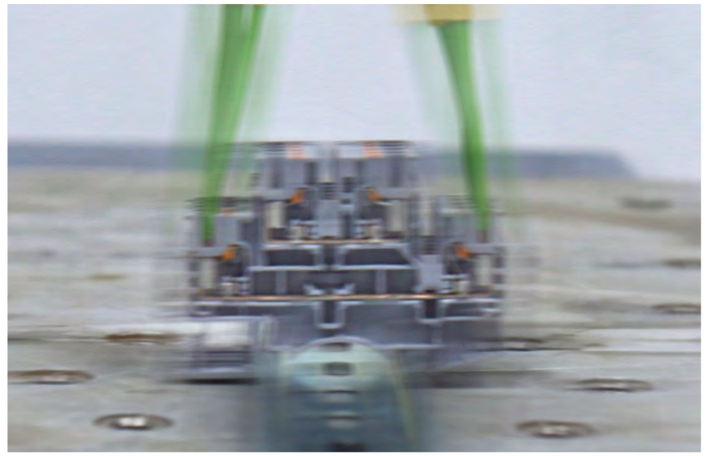
- Testing purpose:
  In the rail industry, terminal blocks are subject to vibration and shock. In order to simulate the vibration experienced in actual use, the test object is subjected to a broadband noise and vibration test

- Testing method:
  In the test frequency range: 5Hz to 150Hz. The equivalent value of acceleration can be up to 7.91m/s2. 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

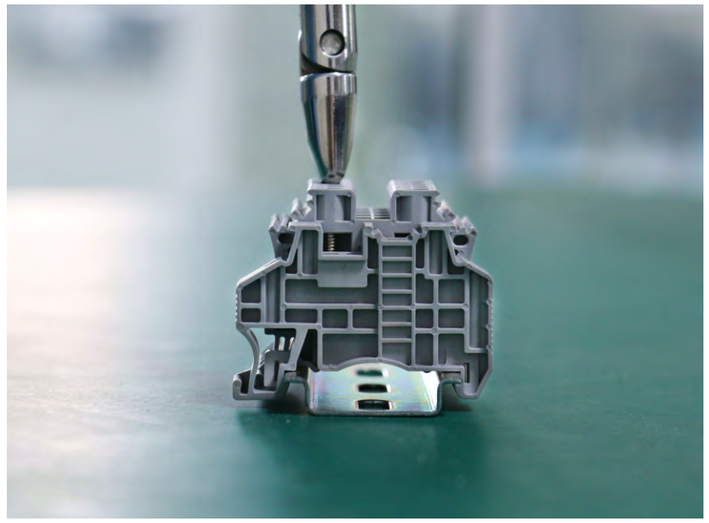
Din rail terminal blocks touch protection test

- 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

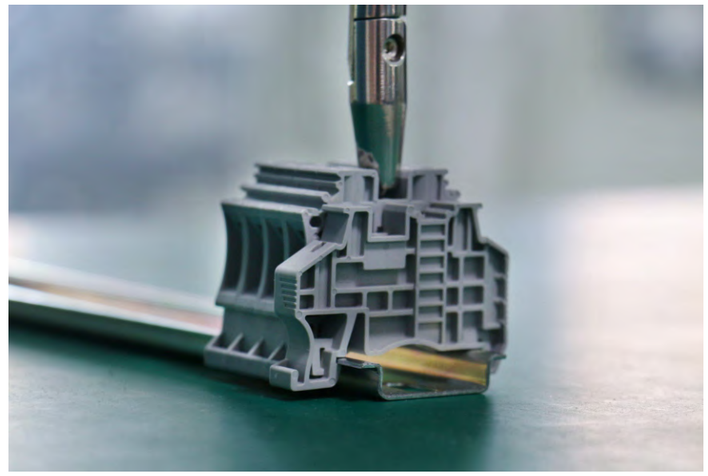
- Testing method:
  When testing according to EN50274, the test probe exerts a force on the test object in the direction of operation

- 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 regardsit 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 environ mental 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.

RoHS COMPLIANT