

Mini feed-through terminal block - MPT 2,5 BU - 3248126

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Mini feed-through terminal block, Connection method: Push-in connection, Number of connections: 2, Cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, Width: 5.2 mm, Height: 32.1 mm, Color: blue, Mounting type: NS 15

The illustration shows the version in gray

Your advantages

- ✓ Space saving thanks to compact design and mounting option on a 15 mm DIN rail
- ✓ Clear arrangement thanks to marking of all terminal points
- ✓ Tested for railway applications
- ✓ Easy potential distribution thanks to standardized plug-in bridges



Key commercial data

package_quantity	50
GTIN	4046356768757

Technical data

General

Number of levels	1
Number of connections	2
Potentials	1
Nominal cross section	2.5 mm ²
Color	blue
Insulating material	PA
Flammability rating according to UL 94	V0
Area of application	Railway industry
Area of application	Machine building
Area of application	Plant engineering

General

Rated surge voltage	6 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	I

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Technical data

General

Maximum power dissipation for nominal condition	0.77 W
Maximum load current	27 A (with 4 mm ² conductor cross section)
Nominal current I _N	24 A (with a 2.5 mm ² conductor cross section)
Nominal voltage U _N	500 V
Open side panel	Yes
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Static insulating material application in cold	-60 °C
Behavior in fire for rail vehicles (DIN 5510-2)	Test passed
Flame test method (DIN EN 60695-11-10)	V0
Oxygen index (DIN EN ISO 4589-2)	>32 %
NF F16-101, NF F10-102 Class I	2
NF F16-101, NF F10-102 Class F	2
Surface flammability NFPA 130 (ASTM E 162)	passed
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Smoke gas toxicity NFPA 130 (SMP 800C)	passed
Calorimetric heat release NFPA 130 (ASTM E 1354)	28 MJ/kg
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3

Dimensions

Width	5.2 mm
End cover width	2.2 mm
Length	36 mm
Height	32.1 mm
Height NS 15	34.8 mm

Connection data

Connection method	Push-in connection
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section solid min.	0.14 mm ²
Conductor cross section solid max.	4 mm ²
Conductor cross section AWG min.	26
Conductor cross section AWG max.	12
Conductor cross section flexible min.	0.14 mm ²
Conductor cross section flexible max.	2.5 mm ²
Min. AWG conductor cross section, flexible	26
Max. AWG conductor cross section, flexible	14

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Technical data

Connection data

Conductor cross section flexible, with ferrule without plastic sleeve min.	0.14 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	2.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.14 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	2.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	0.5 mm ²
Stripping length	8 mm ... 10 mm
Internal cylindrical gage	A3

Standards and Regulations

Connection in acc. with standard	CSA
Connection in acc. with standard	IEC 60947-7-1
Flammability rating according to UL 94	V0

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
China RoHS	No hazardous substances above threshold values

Classifications

eCl@ss

eCl@ss 4.0	27141121
eCl@ss 4.1	27141121
eCl@ss 5.0	27141120
eCl@ss 5.1	27141120
eCl@ss 6.0	27141120
eCl@ss 7.0	27141120
eCl@ss 8.0	27141120
eCl@ss 9.0	27141120

ETIM

ETIM 3.0	EC001329
ETIM 4.0	EC000902
ETIM 5.0	EC000897
ETIM 6.0	EC000897

UNSPSC

UNSPSC 6.01	30211811
UNSPSC 7.0901	39121410
UNSPSC 11	39121410
UNSPSC 12.01	39121410

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Classifications

UNSPSC

UNSPSC 13.2	39121410
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Approvals

IECEEx / ATEX / CSA / UL Recognized / cUL Recognized / BV / GL / DNV / VDE Zeichengenehmigung / IEC EE CB Scheme / EAC / EAC / cULus Recognized /

Approval details

IECEEx	
Nominal voltage UN	440 V
Nominal current IN	20.5 A
mm²/AWG/kcmil	0.14-4

ATEX 	
Nominal voltage UN	440 V
Nominal current IN	20.5 A
mm²/AWG/kcmil	0.14-4

CSA 			
Usegroups	B	C	D
Nominal voltage UN	300 V	300 V	600 V
Nominal current IN	20 A	20 A	5 A
mm²/AWG/kcmil	26-12	26-12	26-12

UL Recognized 			
Usegroups	B	C	D
Nominal voltage UN	300 V	300 V	600 V
Nominal current IN	20 A	20 A	5 A
mm²/AWG/kcmil	26-12	26-12	26-12

cUL Recognized 			
Usegroups	B	C	D
Nominal voltage UN	300 V	300 V	600 V
Nominal current IN	20 A	20 A	5 A
mm²/AWG/kcmil	26-12	26-12	26-12

BV

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Approvals

GL 

DNV 

VDE Zeichengenehmigung

Nominal voltage UN	500 V
Nominal current IN	24 A
mm²/AWG/kcmil	0.14-2.5

IECEE CB Scheme

Nominal voltage UN	500 V
Nominal current IN	24 A
mm²/AWG/kcmil	0.14-2.5

EAC 

ERC

cULus Recognized 

Accessories

Screwdriver tools

SZF 1-0,6X3,5 - 1204517



ST-BW - 1207608



End cover

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Accessories

D-MPT 2,5 BU - 3248141



Partition plate

ATP-MBK - 1413227



Jumper

FBS 2-5 - 3030161



FBS 3-5 - 3030174



FBS 4-5 - 3030187



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Accessories

FBS 5-5 - 3030190



FBS 10-5 - 3030213



FBS 20-5 - 3030226



FBS 50-5 - 3038930



FBSR 2-5 - 3033702



FBSR 3-5 - 3001591



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Accessories

FBSR 4-5 - 3001592



FBSR 5-5 - 3001593



FBSR 10-5 - 3033710



DIN rail

NS 15 UNPERF 2000MM - 1401695



NS 15 PERF 2000MM - 1401682

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Accessories

NS 15 AL PERF 2000MM - 1401763



NS 15 WH PERF 2000MM - 1204096



End block

CLIPFIX 15 - 3022263



Terminal marking

ZBF 5:UNBEDRUCKT - 0808642



UC-TMF 5 - 0818153



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Accessories

UCT-TMF 5 - 0828744



Labeled terminal marker

ZBF 5 CUS - 0825025



ZBF 5,LGS:FORTL.ZAHLEN - 0808671



ZBF 5,QR:FORTL.ZAHLEN - 0808697



ZBF 5,LGS:GERADE ZAHLEN - 0810821



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Accessories

ZBF 5,LGS:UNGERADE ZAHLEN - 0810863



UC-TMF 5 CUS - 0824638



UCT-TMF 5 CUS - 0829658



Test plug terminal block

MPS-MT - 0201744



PS-5 - 3030983



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Accessories

PS-5/2,3MM RD - 3038723



Insulating sleeve

MPS-IH WH - 0201663



MPS-IH RD - 0201676



MPS-IH BU - 0201689



MPS-IH YE - 0201692



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Accessories

MPS-IH GN - 0201702



MPS-IH GY - 0201728



MPS-IH BK - 0201731



Planning and marking software

CLIP-PROJECT ADVANCED - 5146040



CLIP-PROJECT PROFESSIONAL - 5146053



Partition plate

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Accessories

DP PS-5 - 3036725



Drawings

Circuit diagram



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