

Feed-through terminal block - PT 6-QUATTRO BU - 3212947

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Feed-through terminal block, Connection method: Push-in connection, Number of connections: 4, Cross section: 0.5 mm² - 10 mm², AWG: 20 - 8, Width: 8.2 mm, Height: 42.2 mm, Color: blue, Mounting type: NS 35/7,5, NS 35/15

Your advantages

- ✓ The Push-in connection terminal blocks are characterized by the system features of the CLIPLINE complete system and by easy and tool-free wiring of conductors with ferrules or solid conductors
- ✓ The compact design and front connection enable wiring in a confined space
- ✓ In addition to the testing facility in the double function shaft, all terminal blocks provide an additional test connection
- ✓ Tested for railway applications



Key commercial data

package_quantity	50
GTIN	4046356538138

Technical data

General

Number of levels	1
Number of connections	4
Potentials	1
Nominal cross section	6 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	8 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	I
Maximum power dissipation for nominal condition	1.31 W

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Technical data

General

Maximum load current	52 A (with 10 mm ² conductor cross section)
Nominal current I _N	41 A
Nominal voltage U _N	1000 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	8.2 mm
End cover width	2.2 mm
Length	90.5 mm
Height	42.2 mm
Height NS 35/7,5	43.5 mm
Height NS 35/15	51 mm

Connection data

Connection method	Push-in connection
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section solid min.	0.5 mm ²
Conductor cross section solid max.	10 mm ²
Conductor cross section AWG min.	20
Conductor cross section AWG max.	8
Conductor cross section flexible min.	0.5 mm ²
Conductor cross section flexible max.	6 mm ²
Min. AWG conductor cross section, flexible	20
Max. AWG conductor cross section, flexible	10

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Technical data

Connection data

Conductor cross section flexible, with ferrule without plastic sleeve min.	0.5 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	6 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	6 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1.5 mm ²
Stripping length	10 mm ... 12 mm
Internal cylindrical gage	A5

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	27141120
eCl@ss 4.1	27141120
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 2.0	EC000897
ETIM 3.0	EC000897
ETIM 4.0	EC000897
ETIM 5.0	EC000897
ETIM 6.0	EC000897

UNSPSC

UNSPSC 6.01	30211811
UNSPSC 7.0901	39121410

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Classifications

UNSPSC

UNSPSC 11	39121410
UNSPSC 12.01	39121410
UNSPSC 13.2	39121410

Approvals

IECEEx / ATEX / EAC Ex / UL Recognized / cUL Recognized / CSA / BV / LR / EAC / NK / ABS / VDE approval of drawings / IECCE CB Scheme / DNV GL / PRS / ABS / GL / cULus Recognized /

Approval details

IECEEx	
Nominal voltage UN	550 V
Nominal current IN	36 A
mm²/AWG/kcmil	0.5-6

ATEX 	
Nominal voltage UN	550 V
Nominal current IN	36 A
mm²/AWG/kcmil	0.5-6

EAC Ex

UL Recognized 		
Usegroups	B	C
Nominal voltage UN	600 V	600 V
Nominal current IN	40 A	40 A
mm²/AWG/kcmil	20-8	20-8

cUL Recognized 		
Usegroups	B	C
Nominal voltage UN	600 V	600 V
Nominal current IN	40 A	40 A
mm²/AWG/kcmil	20-8	20-8

CSA 			
Usegroups	B	C	D
Nominal voltage UN	600 V	600 V	600 V
Nominal current IN	40 A	40 A	40 A

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Approvals

Usegroups	B	C	D
mm²/AWG/kcmil	20-8	20-8	20-8

BV 

LR 

EAC 
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NK ClassNK

ABS

VDE approval of drawings 	
Nominal voltage UN	1000 V
Nominal current IN	41 A
mm²/AWG/kcmil	0.5-6

IECEE CB Scheme 	
Nominal voltage UN	1000 V
Nominal current IN	41 A
mm²/AWG/kcmil	0.5-6

DNV GL

PRS 
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GL 

cULus Recognized 

Accessories

End cover

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Accessories

D-PT 6-QUATTRO - 3212963



Screwdriver tools

SZF 2-0,8X4,0 - 1204520



Documentation

PT-IL - 3208090



Jumper

FBS 2-8 - 3030284



FBS 3-8 - 3030297



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Accessories

FBS 4-8 - 3030307



FBS 5-8 - 3030310



FBS 6-8 - 3032470



FBS 10-8 - 3030323



FBS 2-8 CT - 3033830



FBS 3-8 CT - 3033831



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Accessories

FBS 4-8 CT - 3033832



FBS 10-8 CT - 3033833



FBS 2-8 BU - 3032567



FBS 3-8 BU - 3032570



FBS 4-8 BU - 3032583



Feed-through terminal block - PT 6-QUATTRO BU - 3212947

Accessories

FBS 5-8 BU - 3032596



FBS 6-8 BU - 3032677



FBS 10-8 BU - 3032606



FBS 2-8 GY - 3032621



FBS 3-8 GY - 3032622



FBS 4-8 GY - 3032635



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Accessories

FBS 5-8 GY - 3032648



FBS 6-8 GY - 3032664



FBS 10-8 GY - 3032651



FBSR 2-8 - 3033808



FBSR 3-8 - 3001597



Feed-through terminal block - PT 6-QUATTRO BU - 3212947

Accessories

FBSR 4-8 - 3000585



FBSR 5-8 - 3033809



FBSR 10-8 - 3001599



FBSR 16-8 - 3033816



Short-circuit connector

FBSRH 2-8 - 3033802



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Accessories

FBSRH 3-8 - 3033803



FBSRH 4-8 - 3033804



Reducing bridge

RB ST 6-(2,5/4) - 3030860



RB ST 6-1,5/S - 3213250



Switching jumper

SB-MER 2-8 - 3000587



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Accessories

SB-MER 3-8 - 3000588



SB-MER 4-8 - 3000589



DIN rail

NS 35/ 7,5 PERF 2000MM - 0801733

NS 35/ 7,5 UNPERF 2000MM - 0801681

NS 35/ 7,5 WH PERF 2000MM - 1204119



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Accessories

NS 35/ 7,5 WH UNPERF 2000MM - 1204122



NS 35/ 7,5 AL UNPERF 2000MM - 0801704



NS 35/ 7,5 ZN PERF 2000MM - 1206421



NS 35/ 7,5 ZN UNPERF 2000MM - 1206434



NS 35/ 7,5 CU UNPERF 2000MM - 0801762

NS 35/ 7,5 CAP - 1206560



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Accessories

NS 35/15 PERF 2000MM - 1201730



NS 35/15 UNPERF 2000MM - 1201714



NS 35/15 WH PERF 2000MM - 0806602



NS 35/15 WH UNPERF 2000MM - 1204135



NS 35/15 AL UNPERF 2000MM - 1201756



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Accessories

NS 35/15 ZN PERF 2000MM - 1206599



NS 35/15 ZN UNPERF 2000MM - 1206586



NS 35/15 CU UNPERF 2000MM - 1201895



NS 35/15 CAP - 1206573



NS 35/15-2,3 UNPERF 2000MM - 1201798



Terminal marking

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Accessories

ZB 8:UNBEDRUCKT - 1052002



UC-TM 8 - 0818072



UCT-TM 8 - 0828740



ZBF 8:UNBEDRUCKT - 0808781



UC-TMF 8 - 0818137



UCT-TMF 8 - 0828748



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Accessories

TMT (EX9,5)R - 0828295



US-TM 100 - 0829255



Labeled terminal marker

ZB 8 CUS - 0825011



UC-TM 8 CUS - 0824597



UCT-TM 8 CUS - 0829616



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Accessories

ZB 8,LGS:FORTL.ZAHLEN - 1052015



ZB 8,QR:FORTL.ZAHLEN - 1052028



ZB 8,LGS:L1-N,PE - 1052413



ZBF 8 CUS - 0825030



ZBF 8,LGS:FORTL.ZAHLEN - 0808804



UC-TMF 8 CUS - 0824654



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Accessories

UCT-TMF 8 CUS - 0829672



Test plug terminal block

MPS-MT - 0201744



PS-8 - 3031005



PS-8/2,3MM RD - 3048564



Insulating sleeve

MPS-IH WH - 0201663



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Accessories

MPS-IH RD - 0201676



MPS-IH BU - 0201689



MPS-IH YE - 0201692



MPS-IH GN - 0201702



MPS-IH GY - 0201728



MPS-IH BK - 0201731



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Accessories

Test socket

PAI-4-FIX BU - 3032729



PAI-4-FIX OG - 3034455



PAI-4-FIX YE - 3032745



PAI-4-FIX RD - 3032732



PAI-4-FIX GN - 3032758



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Accessories

PAI-4-FIX BK - 3032774



PAI-4-FIX GY - 3032790



PAI-4-FIX VT - 3032761



PAI-4-FIX BN - 3032787



PAI-4-FIX WH - 3032797



PAIS-4-FIX GY - 3032791



Feed-through terminal block - PT 6-QUATTRO BU - 3212947

Accessories

PAIS-4-FIX BK - 3032792



PAIS-4-FIX RD - 3032793



PAIS-4-FIX BU - 3032798



PAIS-4-FIX YE - 3032799



PAIS-4-FIX GN - 3032801



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Accessories

PAIS-4-FIX VT - 3032802



Partition plate

DP PS-8 - 3036741



Planning and marking software

CLIP-PROJECT ADVANCED - 5146040



CLIP-PROJECT PROFESSIONAL - 5146053



End block

E/UK - 1201442



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Accessories

E/UK 1 - 1201413



CLIPFIX 35 - 3022218



CLIPFIX 35-5 - 3022276



E/NS 35 N - 0800886



Drawings

Circuit diagram



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