

Feed-through terminal block - PT 16-TWIN N BU - 3208773

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Feed-through terminal block, Connection method: Push-in connection, Number of connections: 3, Cross section: 0.5 mm² - 25 mm², AWG: 20 - 4, Width: 12.2 mm, Color: blue, Mounting type: NS 35/7,5, NS 35/15

The illustration shows the gray version

Why buy this product

- 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

Packing unit	25 STK
GTIN	
GTIN	4046356737548

Technical data

General

Number of levels	1
Number of connections	3
Potentials	1
Nominal cross section	16 mm ²
Color	blue
Insulating material	PA
Flammability rating according to UL 94	V0
Area of application	Railway industry
	Machine building
	Plant engineering

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Technical data

General

Rated surge voltage	8 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	I
Maximum power dissipation for nominal condition	2.43 W
Maximum load current	85 A (with 25 mm ² conductor cross section)
Nominal current I _N	76 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	12.2 mm
End cover width	2.2 mm
Length	100.2 mm
Height NS 35/7,5	52.6 mm
Height NS 35/15	60.1 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.	25 mm ²
Conductor cross section AWG min.	20
Conductor cross section AWG max.	4
Conductor cross section flexible min.	0.5 mm ²

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Technical data

Connection data

Conductor cross section flexible max.	16 mm ²
Min. AWG conductor cross section, flexible	20
Max. AWG conductor cross section, flexible	6
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.5 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	16 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.	16 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	1.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	4 mm ²
Stripping length	18 mm
Internal cylindrical gage	A7

Standards and Regulations

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
	No hazardous substances above threshold values

Drawings

Circuit diagram



Approvals

Approvals

Approvals

VDE Zeichengenehmigung / IECCEB Scheme / CSA / CSA / UL Recognized / cUL Recognized / EAC / BV / LR / DNV GL / PRS / cULus Recognized


Ex Approvals


ATEX / IECEx

Approval details


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Approvals

VDE Zeichengenehmigung		http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx	40040917
mm ² /AWG/kcmil	0.5-16		
Nominal current I _N	76 A		
Nominal voltage U _N	1000 V		

IECEE CB Scheme		http://www.iecee.org/	DE1-55471
mm ² /AWG/kcmil	0.5-16		
Nominal current I _N	76 A		
Nominal voltage U _N	1000 V		

CSA		http://www.csagroup.org/services/testing-and-certification/certified-product-listing/	13631
	B	C	
mm ² /AWG/kcmil	20-4	20-4	

CSA		http://www.csagroup.org/services/testing-and-certification/certified-product-listing/	13631
	B	C	
mm ² /AWG/kcmil	20-4	20-4	
Nominal current I _N	70 A	70 A	
Nominal voltage U _N	600 V	600 V	

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
	B	C	
mm ² /AWG/kcmil	20-4	20-4	
Nominal current I _N	85 A	85 A	
Nominal voltage U _N	600 V	600 V	

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Approvals

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
		B	C
mm ² /AWG/kcmil		20-4	20-4
Nominal current IN		85 A	85 A
Nominal voltage UN		600 V	600 V

EAC			7500651.22.01.00246
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BV		http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials	37796/A2 BV
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LR		http://www.lr.org/en	12/20038 (E2)
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DNV GL		http://exchange.dnv.com/tari/	TAE000010T
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PRS		http://www.prs.pl/	TE/2107/880590/16
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cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	
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