Feed-through terminal block - PT 10 BU - 3212123

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Feed-through terminal block, nom. voltage: 1000 V, nominal current: 57 A, connection method: Push-in connection, number of connections: 2, cross section:0.5 mm² - 16 mm², AWG: 20 - 6, width: 10.2 mm, height: 49.5 mm, color: blue, mounting type: NS 35/7,5, NS 35/15

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	50 STK
GTIN	4 046356 494809
GTIN	4046356494809

Technical data

General

Number of levels	1
Number of connections	2
Potentials	1
Nominal cross section	10 mm²
Color	blue
Insulating material	PA
Flammability rating according to UL 94	V0
Area of application	Railway industry
	Machine building
	Plant engineering
Rated surge voltage	8 kV

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Technical data

General

Degree of pollution	3
Overvoltage category	III
Insulating material group	I
Maximum power dissipation for nominal condition	1.82 W
Maximum load current	70 A (with 16 mm² conductor cross section)
Nominal current I_N	57 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	10.2 mm
End cover width	2.2 mm
Length	67.7 mm
Height	49.5 mm
Height NS 35/7,5	50.5 mm
Height NS 35/15	58 mm

Connection data

Connection method	Push-in connection
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section solid min.	0.5 mm²
Conductor cross section solid max.	16 mm²
Conductor cross section AWG min.	20
Conductor cross section AWG max.	6
Conductor cross section flexible min.	0.5 mm²

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Technical data

Connection data

Conductor cross section flexible max.	10 mm²
Min. AWG conductor cross section, flexible	20
Max. AWG conductor cross section, flexible	8
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.5 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	10 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.5 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	10 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	1.5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	4 mm²
Stripping length	18 mm
Internal cylindrical gage	A6

Standards and Regulations

Connection in acc. with standard	CSA
	IEC 60947-7-1
Flammability rating according to UL 94	V0
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3

Environmental Product Compliance

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

Drawings

Circuit diagram

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / CSA / LR / VDE Zeichengenehmigung / IECEE CB Scheme / BV / EAC / NK / EAC / ABS / DNV GL / PRS / ABS / cULus Recognized

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Approvals

Ex Approvals

IECEx / ATEX / EAC Ex / IECEx

Approval details

UL Recognized	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425

	B	C
mm²/AWG/kcmil	20-6	20-6
Nominal current IN	60 A	60 A
Nominal voltage UN	600 V	600 V

cUL Recognized	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425

	B	C
mm²/AWG/kcmil	20-6	20-6
Nominal current IN	60 A	60 A
Nominal voltage UN	600 V	600 V

CSA	http://www.csagroup.org/services-industries/product-listing/	13631

	B	C
mm²/AWG/kcmil	20-6	20-6
Nominal current IN	55 A	55 A
Nominal voltage UN	600 V	600 V

LR	http://www.lr.org/en	12/20038 (E3)

VDE Zeichengenehmigung	http://www.vde.com/en/Institute/OnlineService/ VDE-approved-products/Pages/Online-Search.aspx	40038590

mm²/AWG/kcmil	0.5-10
Nominal current IN	57 A
Nominal voltage UN	1000 V

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Approvals

IECEE CB Scheme		http://www.iecee.org/	DE1-52964_M1

Nominal current IN	57 A
Nominal voltage UN	1000 V

BV		http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials	37796/A2 BV

EAC			EAC-Zulassung

NK		http://www.classnk.or.jp/hp/en/	14ME0913

EAC			7500651.22.01.00246

ABS	http://www.eagle.org/eagleExternalPortalWEB/	15-GD1355195-PDA

DNV GL	http://exchange.dnv.com/tari/	TAE000010T

PRS		http://www.prs.pl/	TE/2107/880590/16

ABS	http://www.eagle.org/eagleExternalPortalWEB/	16-HG1591536-PDA

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm

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