Installation terminal block - PTI 2,5 BU - 3213969

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Installation terminal block, Push-in connection, cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, width: 5.2 mm, color: blue, mounting type: NS 35/7,5, NS 35/15

Your advantages

- Compatible with all Phoenix Contact installation terminal blocks
- As well as the testing facility in the function shaft, each terminal point has a test contact
- Each terminal point can be clearly labeled and easily recognized in every terminal block mounting position
- Compact design tailored to distribution boards
- The new Push-in connection technology enables easy, direct insertion of solid and stranded conductors with ferrules with a cross section of 0.34 mm² or higher

RoHS

Key Commercial Data

Packing unit	50 pc
GTIN	4 046356 609333
GTIN	4046356609333
Weight per Piece (excluding packing)	7.319 g
Weight per piece (including packing)	7.319 g
Custom tariff number	85369010
Country of origin	Germany
Sales Key	A1 - Terminal Strips

Technical data

General

Number of levels	1
Number of connections	2
Potentials	1
Nominal cross section	4 mm²
Color	blue
Insulating material	PA

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Technical data

General

Flammability rating according to UL 94	V0
Maximum load current	24 A (with 4 mm² conductor cross section)
	24 A (with a 2.5 mm² conductor cross section)
Rated surge voltage	8 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	I
Maximum power dissipation for nominal condition	1.02 W
Maximum load current	24 A (with 4 mm² conductor cross section)
Nominal current I_N	24 A
Nominal voltage U_N	800 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	59.5 mm
Height	42.5 mm
Height NS 35/7,5	44 mm
Height NS 35/15	51.5 mm

Connection data

Connection method	Push-in connection
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section solid min.	0.14 mm²

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Technical data

Connection data

Conductor cross section solid max.	4 mm²
Conductor cross section AWG min.	26
Conductor cross section AWG max.	12
Conductor cross section flexible min.	0.14 mm²
Conductor cross section flexible max.	4 mm²
Min. AWG conductor cross section, flexible	26
Max. AWG conductor cross section, flexible	12
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.14 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	2.5 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.14 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	2.5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	0.5 mm²
Stripping length	8 mm ... 10 mm
Internal cylindrical gage	A3

Standards and Regulations

Connection in acc. with standard	CUL
	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
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

Environmental Product Compliance

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

Drawings

Circuit diagram

Classifications

eCl@ss

eCl@ss 4.0	27141116
eCl@ss 4.1	27141121
eCl@ss 5.0	27141120
eCl@ss 5.1	27141100
eCl@ss 6.0	27141100

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Classifications

eCl@ss

eCl@ss 7.0	27141125
eCl@ss 8.0	27141125
eCl@ss 9.0	27141125

ETIM

ETIM 4.0	EC000897
ETIM 5.0	EC001329
ETIM 6.0	EC001329

UNSPSC

UNSPSC 6.01	30211811
UNSPSC 7.0901	39121410
UNSPSC 11	39121410
UNSPSC 12.01	39121410
UNSPSC 13.2	39121410

Approvals

Approvals

Approvals

DNV GL / CSA / LR / UL Recognized / cUL Recognized / IECEE CB Scheme / VDE Zeichengenehmigung / EAC / cULus Recognized

Ex Approvals

Approval details

DNV GL		http://exchange.dnv.com/tari/	TAE00001BU

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

	B	C
Nominal voltage UN	600 V	600 V
Nominal current IN	20 A	20 A
mm²/AWG/kcmil	26-12	26-12

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Approvals

LR	http://www.lr.org/en	14/20062

UL Recognized	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm		FILE E 60425
	D	B	C
Nominal voltage UN	600 V	600 V	600 V
Nominal current IN	5 A	20 A	20 A
mm²/AWG/kcmil	26-12	26-12	26-12

cUL Recognized	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm		FILE E 60425
	D	B	C
Nominal voltage UN	600 V	600 V	600 V
Nominal current IN	5 A	20 A	20 A
mm²/AWG/kcmil	26-12	26-12	26-12

IECEE CB Scheme	http://www.iecee.org/	DE1-54446_M1
mm²/AWG/kcmil	0.14-2.5	

VDE Zeichengenehmigung	http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx	40040549
Nominal voltage UN	800 V	
Nominal current IN	24 A	
mm²/AWG/kcmil	0.14-4	

EAC	RU C-DE.AI30.B.01102

cULus Recognized

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