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Multi-level terminal block - PT 4-PE/3L - 3210442

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Motor terminal block, four-level, connection method: push-in connection, cross section: 0.2 mm² - 6 mm², AWG: 24 - 10, width: 6.2 mm, height: 95.4 mm, color: gray, 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

Key Commercial Data

Packing unit	50 STK
GTIN	4 046356 915472

Technical data

General

Number of levels	4
Number of connections	7
Nominal cross section	4 mm²
Color	gray
Insulating material	PA
Flammability rating according to UL 94	V0
Rated surge voltage	6 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	I
Connection in acc. with standard	IEC 60947-7-1 / IEC 60947-7-2
Nominal current I_N	26 A (with 4 mm² conductor cross section)
Maximum load current	32 A (with 6 mm² conductor cross section)
Nominal voltage U_N	800 V
Connection in acc. with standard	IEC 60947-7-1 / IEC 60947-7-2
Open side panel	Yes
Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11

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Technical data

General

Back of the hand protection	guaranteed
Finger protection	guaranteed
Result of surge voltage test	Test passed
Surge voltage test setpoint	9.8 kV
Result of power-frequency withstand voltage test	Test passed
Power frequency withstand voltage setpoint	2 kV
Checking the mechanical stability of terminal points (5 x conductor connection)	Test passed
Result of bending test	Test passed
Bending test rotation speed	10 rpm
Bending test turns	135
Bending test conductor cross section/weight	0.2 mm² / 0.2 kg
	4 mm² / 0.9 kg
	6 mm^2 / 1.4 kg
Tensile test result	Test passed
Conductor cross section tensile test	0.2 mm²
Tractive force setpoint	10 N
Conductor cross section tensile test	4 mm²
Tractive force setpoint	60 N
Conductor cross section tensile test	6 mm²
Tractive force setpoint	80 N
Result of tight fit on support	Test passed
Tight fit on carrier	NS 35
Setpoint	1 N
Result of voltage-drop test	Test passed
Requirements, voltage drop	≤ 3.2 mV
Result of temperature-rise test	Test passed
Short circuit stability result	Test passed
Conductor cross section short circuit testing	4 mm²
Short-time current	0.48 kA
Conductor cross section short circuit testing	6 mm²
Short-time current	0.72 kA
Result of aging test	Test passed
Ageing test for screwless modular terminal block temperature cycles	192
Result of thermal test	Test passed
Proof of thermal characteristics (needle flame) effective duration	30 s
Oscillation, broadband noise test result	Test passed
Test specification, oscillation, broadband noise	DIN EN 50155 (VDE 0115-200):2008-03
Test spectrum	Service life test category 2, bogie mounted
Test frequency	f_1 = 5 Hz to f_2 = 250 Hz
ASD level	6.12 $(m/s^2)^2$/Hz

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Technical data

General

Acceleration	3.12 g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Shock test result	Test passed
Test specification, shock test	DIN EN 50155 (VDE 0115-200):2008-03
Shock form	Half-sine
Acceleration	30g
Shock duration	18 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
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

Dimensions

Width	6.2 mm
Length	104.4 mm
Height NS 35/7,5	96.9 mm
Height NS 35/15	104.4 mm

Connection data

Note	Please observe the current carrying capacity of the DIN rails.
Connection method	Push-in connection
Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	6 mm²
Conductor cross section flexible min.	0.2 mm²
Conductor cross section flexible max.	4 mm²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	10
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	4 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	4 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1 mm²
Minimum stripping length	10 mm
Maximum stripping length	12 mm
Internal cylindrical gage	A4
Connection method	Push-in connection
Conductor cross section solid min.	0.2 mm²

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Technical data

Connection data

Conductor cross section solid max.	6 mm²
Conductor cross section flexible min.	0.2 mm²
Conductor cross section flexible max.	4 mm²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	10
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	4 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	4 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1 mm²
Minimum stripping length	10 mm
Maximum stripping length	12 mm

Standards and Regulations

Connection in acc. with standard	IEC 60947-7-1 / IEC 60947-7-2
	IEC 60947-7-1 / IEC 60947-7-2
Flammability rating according to UL 94	V0

Classifications

eCl@ss

eCl@ss 5.1	27141118
eCl@ss 6.0	27141128
eCl@ss 8.0	27141141
eCl@ss 9.0	27141141

ETIM

ETIM 4.0	EC000897
ETIM 5.0	EC000901

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / cULus Recognized

Ex Approvals

Multi-level terminal block - PT 4-PE/3L - 3210442

Approvals

Approvals submitted

Approval details

UL Recognized

	B	C	D
mm²/AWG/kcmil	24-10	24-10	24-10
Nominal current IN	28 A	28 A	
Nominal voltage UN	600 V	600 V	

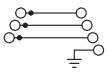
cUL Recognized

	B	C	D
mm²/AWG/kcmil	24-10	24-10	24-10
Nominal current IN	28 A	28 A	
Nominal voltage UN	600 V	600 V	

cULus Recognized

Drawings

Circuit diagram



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