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Component terminal block, with integrated diode, Connection method: Push-in connection, Cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, Width: 5.2 mm, Color: gray, Mounting type: NS 35/7,5, NS 35/15

Product Features

- 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	1 pc
Minimum order quantity	50 pc
Weight per Piece (excluding packing)	9.15 g
Custom tariff number	85369010
Country of origin	Poland

Technical data

General

Note	The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.
Number of levels	1
Number of connections	3
Potentials	1
Nominal cross section	2.5 mm²
Color	gray
Insulating material	PA
Flammability rating according to UL 94	V0
Rated surge voltage	8 kV



Technical data

General

Degree of pollution 3 Overvoltage category III Insulating material group 1 Maximum load current 0.5 A Nominal current I _N 800 V Open side panel Yes Shock protection test specification DIN EN 50274 (VDE 0660-514):2002-11 Back of the hand protection guaranteed Flieger protection guaranteed Result of surge voltage test Test passed Surge voltage test setpoint 9.8 kV Result of benefine requency withstand voltage setpoint 2 kV Result of the test for mechanical stability of terminal points (5 x conductor connection) Test passed Power frequency withstand voltage setpoint 2 kV Result of bending test for mechanical stability of terminal points (5 x conductor consection) Test passed Result of the test for mechanical stability of terminal points (5 x conductor consection) Test passed Bending test rotation speed 10 rpm Bending test conductor cross section/weight 135 Bending test conductor cross section/weight 0.14 mm² / 0.2 kg Test passed Conductor cross section tensile test 1 so			
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Result of temperature-rise test Test passed Short circuit stability result Test passed Conductor cross section short circuit testing 2.5 mm²	Setpoint	1 N	
Short circuit stability result Conductor cross section short circuit testing 7 Est passed 2.5 mm²	Result of voltage-drop test	Test passed	
Conductor cross section short circuit testing 2.5 mm²	Result of temperature-rise test	Test passed	
	Short circuit stability result	Test passed	
Short-time current 0.3 kA	Conductor cross section short circuit testing	2.5 mm²	
	Short-time current	0.3 kA	



Technical data

General

Conductor cross section short circuit testing	4 mm²	
Short-time current	0.48 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 1, class B, body mounted	
Test frequency	$f_1 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$	
ASD level	0.02 g²/Hz	
Acceleration	0,8 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	5 g	
Shock duration	30 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))	125 °C	

Dimensions

Width	5.2 mm
End cover width	2.2 mm
Length	60.5 mm
Height NS 35/7,5	36.5 mm
Height NS 35/15	44 mm

Connection data

Connection method	Push-in connection
Conductor cross section solid min.	0.14 mm²
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



Technical data

Connection data

Conductor cross section flexible max.	2.5 mm²
Min. AWG conductor cross section, flexible	26
Max. AWG conductor cross section, flexible	14
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 mm ²
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	CSA
Flammability rating according to UL 94	V0

Classifications

eCl@ss

eCl@ss 4.0	27141121
eCl@ss 4.1	27141121
eCl@ss 5.0	27141120
eCl@ss 5.1	27141120
eCl@ss 6.0	27141120
eCl@ss 7.0	27141120
eCl@ss 8.0	27141127

ETIM

ETIM 2.0	EC000897
ETIM 3.0	EC000897
ETIM 4.0	EC000897
ETIM 5.0	EC000903

UNSPSC

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

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Nominal current IN

Nominal voltage UN



Component terminal block - PT 2,5-TWIN-DIO/L-R - 3210240

Approvals Approvals Approvals CSA / UL Recognized / cUL Recognized / EAC / EAC / cULus Recognized Ex Approvals Approvals submitted Approval details CSA @ В С mm²/AWG/kcmil 26-12 26-12 0.5 A Nominal current IN 0.5 A Nominal voltage UN 300 V 300 V UL Recognized **%** С В 26-12 mm²/AWG/kcmil 26-12

cUL Recognized • Su		
	В	С
mm²/AWG/kcmil	26-12	26-12
Nominal current IN	20 A	20 A
Nominal voltage UN	300 V	300 V

20 A

300 V

20 A

300 V

EAC



Approvals

EAC	
cULus Recognized CSUs	

Drawings

Circuit diagram

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