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High-current terminal block, Connection method: Power-Turn connection, Cross section: 2.5 mm² - 35 mm², AWG: 12 - 2, Width: 16 mm, Height: 68.3 mm, Color: gray, Mounting type: NS 35/15

Product Features

- Quick and easy connection is now also possible for large conductors with the high-current terminal block
- 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	10 pc
Weight per Piece (excluding packing)	95.0 g
Custom tariff number	85369010
Country of origin	Poland

Technical data

General

Number of levels	1
Number of connections	2
Nominal cross section	35 mm²
Color	gray
Insulating material	PA
Flammability rating according to UL 94	V0
Rated surge voltage	8 kV
Degree of pollution	3
Overvoltage category	III



Technical data

General

Insulating material group	I	
Maximum load current	125 A (with 35 mm² conductor cross section)	
Nominal current I _N	125 A	
Nominal voltage U _N	1000 V	
Open side panel	No	
Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11	
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	2.2 kV	
Result of the test for 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	2.5 mm² / 0.7 kg	
	35 mm² / 6.8 kg	
Tensile test result	Test passed	
Conductor cross section tensile test	2.5 mm²	
Tractive force setpoint	50 N	
Conductor cross section tensile test	35 mm²	
Tractive force setpoint	190 N	
Result of tight fit on support	Test passed	
Tight fit on carrier	NS 35	
Setpoint	10 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	35 mm²	
Short-time current	4.2 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	



Technical data

General

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	$f_1 = 5 \text{ Hz to } f_2 = 250 \text{ Hz}$	
ASD level	6.12 (m/s²)²/Hz	
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))	125 °C	
Static insulating material application in cold	-60 °C	

Dimensions

Width	16 mm
Length	120.2 mm
Height	68.3 mm
Hole diameter	5.5 mm
Drill hole spacing	108.00 mm

Connection data

Note	Please observe the current carrying capacity of the DIN rails.	
Connection method	Power-Turn connection	
Conductor cross section solid min.	2.5 mm²	
Conductor cross section solid max.	35 mm ²	
Conductor cross section AWG min.	12	
Conductor cross section AWG max.	2	
Conductor cross section flexible min.	2.5 mm²	
Conductor cross section flexible max.	35 mm ²	
Min. AWG conductor cross section, flexible	12	
Max. AWG conductor cross section, flexible	2	
Conductor cross section flexible, with ferrule with plastic sleeve min.	2.5 mm²	



Technical data

Connection data

Conductor cross section flexible, with ferrule with plastic sleeve max.	35 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	10 mm²
Stripping length	25 mm

Standards and Regulations

Flammability rating according to UL 94	V0

Classifications

eCl@ss

eCl@ss 4.0	27141120
eCl@ss 4.1	27141120
eCl@ss 5.0	27141120
eCl@ss 5.1	27141120
eCl@ss 6.0	27141120
eCl@ss 7.0	27141120
eCl@ss 8.0	27141120
eCl@ss 9.0	27141120

ETIM

ETIM 4.0	EC000897
ETIM 5.0	EC000897

UNSPSC

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

Approvals

Approvals

Approvals

CSA



Approvals

Ex Approvals

Approvals submitted

Approval details

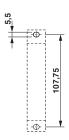
CSA		
В С		
mm²/AWG/kcmil	14-2	14-2
Nominal current IN	115 A	115 A
Nominal voltage UN	600 V	1000 V

Drawings

Circuit diagram

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Dimensional drawing



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