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High-current terminal block, Connection method: Power-Turn connection, Number of positions: 1, Cross section: 50 mm² - 150 mm², AWG: 1/0 - 300 kcmil, Width: 31 mm, Height: 108.3 mm, Color: gray, Mounting type: ct screw connection

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
- 🗹 In addition to using the existing test connection, pick-off terminal blocks can be connected, each of which can also accommodate two test cables



Key Commercial Data

Packing unit	1 pc
Minimum order quantity	3 pc
Weight per Piece (excluding packing)	360.0 g
Custom tariff number	85369010
Country of origin	Poland

Technical data

General

Number of levels	1
Number of connections	2
Nominal cross section	150 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	
Connection in acc. with standard	IEC 60947-7-1	
Maximum load current	309 A (with 150 mm² conductor cross section)	
Nominal current I _N	309 A	
Nominal voltage U _N	1500 V	
Open side panel	No	
Number of positions	1	
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	14.8 kV	
Result of power-frequency withstand voltage test	Test passed	
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	50 mm² / 9.5 kg	
	150 mm² / 15 kg	
Tensile test result	Test passed	
Conductor cross section tensile test	50 mm ²	
Tractive force setpoint	236 N	
Conductor cross section tensile test	150 mm ²	
Tractive force setpoint	427 N	
Result of tight fit on support	Test passed	
Setpoint	15 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	150 mm ²	
Short-time current	18 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 1, class B, body mounted
Test frequency	$f_1 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$
ASD level	0.964 (m/s²)²/Hz
Acceleration	0.58 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
Static insulating material application in cold	-60 °C

Dimensions

Width	31 mm
Length	150 mm
Height	108.3 mm
Hole diameter	6.5 mm
Drill hole spacing	137.20 mm

Connection data

Connection method	Power-Turn connection
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section solid min.	50 mm ²
Conductor cross section solid max.	150 mm²
Conductor cross section AWG min.	1/0
Conductor cross section AWG max.	300 kcmil
Conductor cross section flexible min.	50 mm ²
Conductor cross section flexible max.	150 mm²
Min. AWG conductor cross section, flexible	1/0
Max. AWG conductor cross section, flexible	300 kcmil
Conductor cross section flexible, with ferrule without plastic sleeve min.	50 mm ²



Technical data

Connection data

95 mm ²
50 mm ²
95 mm²
50 mm ²
150 mm²
50 mm ²
150 mm²
50 mm ²
95 mm²
50 mm ²
95 mm²
150 mm²
150 mm²
40 mm
B14

Standards and Regulations

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

Classifications

eCl@ss

eCl@ss 5.1	27141120
eCl@ss 6.0	27141120
eCl@ss 8.0	27141120
eCl@ss 9.0	27141120

ETIM

ETIM 4.0	EC000897
ETIM 5.0	EC000897

Approvals

Approvals



Approvals

Approvals			
EAC / LR / BV / GL / UL Recognized / cUL Recognized / cULus Recognized			
Ex Approvals			
Approvals submitted			
Approval details			
EAC			
LR			
BV			
GL			
UL Recognized \$\)			
	В		С
mm²/AWG/kcmil	2-300		2-300
Nominal current IN	270 A		270 A
Nominal voltage UN	1000 V		1000 V
cUL Recognized			
		С	
mm²/AWG/kcmil		2-300	
Nominal current IN		270 A	
Nominal voltage UN		1000 V	



Approvals

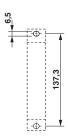
cULus Recognized c S us	

Drawings

Circuit diagram



Dimensional drawing



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