

Feed-through terminal block - ST 16 - 3036149

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Feed-through terminal block, Connection method: Spring-cage connection, Cross section: 0.2 mm² - 25 mm², AWG: 24 - 4, Width: 12.2 mm, Color: gray, Mounting type: NS 35/15, NS 35/7,5

Why buy this product

- ✓ The flexible options for reducing bridging in the CLIPLINE complete system can be found in "Accessories for the CLIPLINE complete modular terminal block system"
- ✓ The double bridge shaft not only enables individual chain bridging, but also reducing bridging to spring-cage terminal blocks with smaller cross sections



Key commercial data

Packing unit	50 pc
GTIN	 4 017918 819309
Weight per Piece (excluding packing)	36.98 g
Custom tariff number	85369010
Country of origin	Poland

Technical data

General

Number of levels	1
Number of connections	2
Color	gray
Insulating material	PA
Inflammability class according to UL 94	V0
Maximum load current	90 A (with 25 mm ² conductor cross section)
Rated surge voltage	8 kV
Pollution degree	3
Surge voltage category	III
Insulating material group	I

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Technical data

General

Connection in acc. with standard	IEC 60947-7-1
Maximum load current (lower level)	90 A
Additional text	with 25 mm ² conductor cross section
Nominal current I _N (lower level)	76 A
Nominal voltage U _N	1000 V
Open side panel	ja
Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11
Back of the hand protection	guaranteed
Surge voltage test setpoint	9.8 kV
Result of surge voltage test	Test passed
Power frequency withstand voltage setpoint	2.2 kV
Result of power-frequency withstand voltage test	Test passed
Checking the mechanical stability of terminal points (5 x conductor connection)	Test passed
Bending test rotation speed	10 rpm
Bending test turns	135
Bending test conductor cross section/weight	0.2 mm ² / 0.2 kg
	16 mm ² / 2.9 kg
	25 mm ² / 4.5 kg
Result of bending test	Test passed
Conductor cross section tensile test	0.2 mm ²
Tractive force setpoint	10 N
Conductor cross section tensile test	16 mm ²
Tractive force setpoint	100 N
Conductor cross section tensile test	25 mm ²
Tractive force setpoint	135 N
Tensile test result	Test passed
Tight fit on carrier	NS 35
Setpoint	5 N
Result of tight fit test	Test passed
Requirements, voltage drop	≤ 3.2 mV
Result of voltage drop test	Test passed
Temperature-rise test	Test passed
Conductor cross section short circuit testing	16 mm ²
Short-time current	1.92 kA
Short circuit stability result	Test passed
Ageing test for screwless modular terminal block temperature cycles	192
Result of aging test	Test passed
Proof of thermal characteristics (needle flame) effective duration	30 s
Result of thermal test	Test passed

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Technical data

General

Temperature index, insulating material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Static insulating material application in cold	-60 °C

Dimensions

Width	12.2 mm
Length	80 mm
Height NS 35/7,5	51.5 mm
Height NS 35/15	59 mm

Connection data

Connection in acc. with standard	IEC 60947-7-1
Connection method	Spring-cage connection
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	25 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max.	4
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	16 mm ²
Min. AWG conductor cross section, stranded	24
Max. AWG conductor cross section, stranded	6
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	16 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	16 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	1.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	4 mm ²
Stripping length	18 mm
Internal cylindrical gage	A7

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

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Classifications

eCl@ss

eCl@ss 8.0	27141120
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ETIM

ETIM 2.0	EC000897
ETIM 3.0	EC000897
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 / UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / GOST / LR / GL / BV / DNV / RS / KR / NK / IECCEB CB Scheme / GOST / VDE Gutachten mit Fertigungsüberwachung / IECCEB CB Scheme / cULus Recognized

Ex Approvals

IECEX / ATEX

Approvals submitted

Approval details

CSA 			
		B	C
	mm ² /AWG/kcmil	16-4	16-4
	Nominal current I _N	85 A	85 A
	Nominal voltage U _N	600 V	600 V

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Approvals

UL Recognized

	B	C
mm ² /AWG/kcmil	16-4	16-4
Nominal current IN	85 A	85 A
Nominal voltage UN	600 V	600 V

VDE Gutachten mit Fertigungsüberwachung

mm ² /AWG/kcmil	1.5-16
Nominal current IN	76 A
Nominal voltage UN	800 V

cUL Recognized

	B	C
mm ² /AWG/kcmil	16-4	16-4
Nominal current IN	85 A	85 A
Nominal voltage UN	600 V	600 V

GOST

LR

GL

mm ² /AWG/kcmil	16
Nominal current IN	76 A
Nominal voltage UN	800 V

BV

DNV

RS

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Approvals

KR

NK

IECEE CB Scheme

mm ² /AWG/kcmil	1.5-16
Nominal current I _N	76 A
Nominal voltage U _N	800 V

GOST

VDE Gutachten mit Fertigungsüberwachung

mm ² /AWG/kcmil	1.5-16
Nominal current I _N	76 A
Nominal voltage U _N	800 V

IECEE CB Scheme

mm ² /AWG/kcmil	16
Nominal voltage U _N	800 V

cULus Recognized

Drawings

Circuit diagram



