

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

Product Features

- ✓ 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

package_quantity	50
GTIN	4017918819309

Technical data

General

Number of levels	1
Number of connections	2
Color	gray
Insulating material	PA
Inflammability class according to UL 94	V0

General

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
Connection in acc. with standard	IEC 60947-7-1
Nominal current I _N	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

Feed-through terminal block - ST 16 - 3036149

Technical data

General

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
Bending test conductor cross section/weight	16 mm ² / 2.9 kg
Bending test conductor cross section/weight	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
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

Feed-through terminal block - ST 16 - 3036149

Technical data

Connection data

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
Connection method	Spring-cage connection
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
eCl@ss 8.0	27141120

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

Feed-through terminal block - ST 16 - 3036149

classifications

UNSPSC

UNSPSC 12.01	39121410
UNSPSC 13.2	39121410

approvals

IECEx / ATEX / CSA / UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / GOST / LR / GL / BV / DNV / RS / KR / NK / IECCEB Scheme / GOST / VDE Gutachten mit Fertigungsüberwachung / IECCEB Scheme / cULus Recognized /

Approval details

IECEx	
Nominal voltage UN	550 V
Nominal current IN	65 A
mm²/AWG/kcmil	1.5-16

ATEX 	
Nominal voltage UN	550 V
Nominal current IN	82 A
mm²/AWG/kcmil	1.5-25

CSA 		
Usegroups	B	C
Nominal voltage UN	600 V	600 V
Nominal current IN	85 A	85 A
mm²/AWG/kcmil	16-4	16-4

UL Recognized 		
Usegroups	B	C
Nominal voltage UN	600 V	600 V
Nominal current IN	85 A	85 A
mm²/AWG/kcmil	16-4	16-4

Feed-through terminal block - ST 16 - 3036149

approvals

VDE Gutachten mit Fertigungsüberwachung 	
Nominal voltage UN	800 V
Nominal current IN	76 A
mm²/AWG/kcmil	1.5-16

cUL Recognized 		
Usegroups	B	C
Nominal voltage UN	600 V	600 V
Nominal current IN	85 A	85 A
mm²/AWG/kcmil	16-4	16-4

GOST 
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LR

GL	
Nominal voltage UN	800 V
Nominal current IN	76 A
mm²/AWG/kcmil	16

BV

DNV

RS

KR

NK

IECEE CB Scheme 

Feed-through terminal block - ST 16 - 3036149

approvals

Nominal voltage UN	800 V
Nominal current IN	76 A
mm²/AWG/kcmil	1.5-16



Nominal voltage UN	800 V
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Nominal voltage UN	800 V
Nominal current IN	
mm²/AWG/kcmil	16

cULus Recognized 

accessories

End cover

D-ST 16 - 3036657



Screwdriver tools

Feed-through terminal block - ST 16 - 3036149

accessories

SZF 3-1,0X5,5 - 1206612



Labeled terminal marker

WST 10/35 - 3030006



ZB 12 CUS - 0824942



UC-TM 12 CUS - 0824613



UCT-TM 12 CUS - 0829630



Feed-through terminal block - ST 16 - 3036149

accessories

ZBF 12 CUS - 0825018



UC-TMF 12 CUS - 0824670



UCT-TMF 12 CUS - 0829686



Documentation

ST-IL - 3039900



Bridge

FBS 2-12 - 3005950



Feed-through terminal block - ST 16 - 3036149

accessories

RB ST 16-(2,5/4) - 3030886



Mounting rail

NS 35/ 7,5 PERF 2000MM - 0801733



NS 35/ 7,5 UNPERF 2000MM - 0801681



NS 35/ 7,5 WH PERF 2000MM - 1204119



NS 35/ 7,5 WH UNPERF 2000MM - 1204122



Feed-through terminal block - ST 16 - 3036149

accessories

NS 35/ 7,5 AL UNPERF 2000MM - 0801704



NS 35/ 7,5 ZN PERF 2000MM - 1206421



NS 35/ 7,5 ZN UNPERF 2000MM - 1206434



NS 35/ 7,5 CU UNPERF 2000MM - 0801762



NS 35/ 7,5 CAP - 1206560



Terminal marking

Feed-through terminal block - ST 16 - 3036149

accessories

ZB 12:UNPRINTED - 0812120



UC-TM 12 - 0819194



UCT-TM 12 - 0829144



ZBF 12:UNBEDRUCKT - 0809735



UC-TMF 12 - 0819233



UCT-TMF 12 - 0829214



Feed-through terminal block - ST 16 - 3036149

accessories

Test plug terminal block

MPS-MT - 0201744



Insulating sleeve

MPS-IH WH - 0201663



MPS-IH RD - 0201676



MPS-IH BU - 0201689



MPS-IH YE - 0201692



Feed-through terminal block - ST 16 - 3036149

accessories

MPS-IH GN - 0201702



MPS-IH GY - 0201728



MPS-IH BK - 0201731



Planning and marking software

CLIP-PROJECT ADVANCED - 5146040



CLIP-PROJECT PROFESSIONAL - 5146053



Drawings

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Circuit diagram



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