

Feed-through terminal block - ST 35 - 3036178

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Feed-through terminal block, Connection method: Spring-cage connection, Cross section: 2.5 mm² - 35 mm², AWG: 14 - 2, Width: 16 mm, Color: gray, Mounting type: NS 35/7,5, NS 35/15

Product Features

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



Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	88.01 g
Custom tariff number	85369010
Country of origin	Poland

Technical data

General

Number of levels	1
Number of connections	2
Nominal cross section	35 mm ²
Color	gray
Insulating material	PA
Flammability rating according to UL 94	V0
Rated surge voltage	8 kV
Degree of pollution	3
Overvoltage 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	125 A (with 35 mm ² 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
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 mm ² / 0.7 kg
	35 mm ² / 6.8 kg
Tensile test result	Test passed
Conductor cross section tensile test	2.5 mm ²
Tractive force setpoint	50 N
Conductor cross section tensile test	35 mm ²
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 mm ²
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
Oscillation, broadband noise test result	Test passed

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Technical data

General

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	$6.12 \text{ (m/s}^2\text{)}^2/\text{Hz}$
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	100 mm
Height NS 35/7,5	59 mm
Height NS 35/15	66.5 mm

Connection data

Connection method	Spring-cage connection
Connection in acc. with standard	IEC 60947-7-1
Note	The supply from the ST 35 terminal block to the ST 16 TWIN terminal block with the RB-ST 35 reducing bridge is single-sided only. In the case of a central supply, the D-ST 16-TWIN cover cannot be bridged via the reducing bridge.
Conductor cross section solid min.	2.5 mm ²
Conductor cross section solid max.	35 mm ²
Conductor cross section AWG min.	14
Conductor cross section AWG max.	2
Conductor cross section flexible min.	2.5 mm ²
Conductor cross section flexible max.	35 mm ²
Min. AWG conductor cross section, flexible	14
Max. AWG conductor cross section, flexible	2

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Technical data

Connection data

Conductor cross section flexible, with ferrule without plastic sleeve min.	2.5 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	35 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	2.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	35 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	2.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	10 mm ²
Connection in acc. with standard	IEC/EN 60079-7
Conductor cross section solid min.	2.5 mm ²
Conductor cross section solid max.	35 mm ²
Conductor cross section AWG min.	14
Conductor cross section AWG max.	2
Conductor cross section flexible min.	2.5 mm ²
Conductor cross section flexible max.	35 mm ²
Stripping length	25 mm
Internal cylindrical gage	A8

Standards and Regulations

Connection in acc. with standard	CSA
	IEC 60947-7-1
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	27141120
eCl@ss 9.0	27141120

ETIM

ETIM 2.0	EC000897
ETIM 3.0	EC000897
ETIM 4.0	EC000897

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Classifications

ETIM

ETIM 5.0	EC000897
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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 / LR / GL / BV / RS / KR / NK / IECEx CB Scheme / EAC / EAC / cULus Recognized


Ex Approvals

IECEx / ATEX / EAC Ex

Approvals submitted

Approval details


CSA 		
	B	C
mm ² /AWG/kcmil	14-2	14-2
Nominal current I _N	115 A	115 A
Nominal voltage U _N	600 V	600 V

UL Recognized 		
	B	C
mm ² /AWG/kcmil	14-2	14-2


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Approvals

	B	C
Nominal current I _N	115 A	115 A
Nominal voltage U _N	600 V	600 V

VDE Gutachten mit Fertigungsüberwachung 

mm ² /AWG/kcmil	2.5-35
Nominal current I _N	125 A
Nominal voltage U _N	1000 V

cUL Recognized 

	B	C
mm ² /AWG/kcmil	14-2	14-2
Nominal current I _N	115 A	115 A
Nominal voltage U _N	600 V	600 V

LR


GL

BV

RS

KR

NK

IECEE CB Scheme 


mm ² /AWG/kcmil	35
Nominal voltage U _N	1000 V

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Approvals

EAC

EAC

cULus Recognized  US

Drawings

Circuit diagram

