

Installation ground terminal block - STI 2,5-PE/L/L - 3031830

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Installation ground terminal block, Spring-cage connection, Cross section: 0.08 mm² - 4 mm², AWG: 28 - 12, Width: 5.2 mm, Color: gray, Mounting type: NS 35/7,5, NS 35/15

Product Features

- Each terminal point can be clearly labeled



Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	16.64 GRM
Custom tariff number	85369010
Country of origin	Germany

Technical data

General

Number of levels	3
Number of connections	5
Color	gray
Insulating material	PA
Inflammability class according to UL 94	V0
Maximum load current	24 A (with 4 mm ² conductor cross section)
Current carrying capacity of the neutral busbar	140 A
Rated surge voltage	4 kV
Pollution degree	3
Surge voltage category	III
Insulating material group	I
Connection in acc. with standard	IEC 60947-7-1 / IEC 60947-7-2
Current	24 A

Installation ground terminal block - STI 2,5-PE/L/L - 3031830

Technical data

General

Additional text	with 4 mm ² conductor cross section
Nominal current I _N	24 A
Nominal voltage U _N	400 V (phase conductor/phase conductor)
	250 V (phase conductor/PE)
Open side panel	ja
Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11
Back of the hand protection	guaranteed
Finger protection	guaranteed
Surge voltage test setpoint	7.3 kV
Result of surge voltage test	Test passed
Power frequency withstand voltage setpoint	1.89 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	0.08 mm ² / 0.1 kg
	2.5 mm ² / 0.7 kg
	4 mm ² / 0.9 kg
Result of bending test	Test passed
Conductor cross section tensile test	0.08 mm ²
Tractive force setpoint	5 N
Conductor cross section tensile test	2.5 mm ²
Tractive force setpoint	50 N
Conductor cross section tensile test	4 mm ²
Tractive force setpoint	60 N
Tensile test result	Test passed
Tight fit on carrier	NS 35
Setpoint	1 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	2.5 mm ²
Short-time current	0.3 kA
Short circuit stability result	Test passed
Ageing test for screwless modular terminal block temperature cycles	192

Installation ground terminal block - STI 2,5-PE/L/L - 3031830

Technical data

General

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))	125 °C
Static insulating material application in cold	-60 °C

Dimensions

Width	5.2 mm
Length	97 mm
Height NS 35/7,5	50.5 mm
Height NS 35/15	58 mm

Connection data

Note	Please observe the current carrying capacity of the DIN rails.
Conductor cross section solid min.	0.08 mm ²
Conductor cross section solid max.	4 mm ²
Conductor cross section stranded min.	0.08 mm ²
Conductor cross section stranded max.	4 mm ²
Conductor cross section AWG/kcmil min.	28
Conductor cross section AWG/kcmil max	12
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.14 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	2.5 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.14 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	2.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	0.5 mm ²
Connection method	Spring-cage connection
Stripping length	10 mm
Internal cylindrical gage	A3

Classifications

eCl@ss

eCl@ss 4.0	27141125
eCl@ss 4.1	27141125
eCl@ss 5.0	27141125
eCl@ss 5.1	27141125
eCl@ss 6.0	27141125
eCl@ss 7.0	27141125

Installation ground terminal block - STI 2,5-PE/L/L - 3031830

Classifications

eCl@ss

eCl@ss 8.0	27141141
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ETIM

ETIM 2.0	EC001329
ETIM 3.0	EC001329
ETIM 4.0	EC001329
ETIM 5.0	EC000901

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 / cUL Recognized / GOST / VDE Zeichengenehmigung / IECCEB Scheme / GOST / cULus Recognized

Ex Approvals


Approvals submitted

Approval details


CSA 			
		B	C
mm ² /AWG/kcmil	28-12	28-12	28-12
Nominal current I _N	20 A	20 A	
Nominal voltage U _N	300 V	300 V	

Installation ground terminal block - STI 2,5-PE/L/L - 3031830


Approvals


UL Recognized 

		B	C	D
mm ² /AWG/kcmil	28-12	28-12	28-12	28-12
Nominal current I _N	20 A	20 A	20 A	10 A
Nominal voltage U _N	300 V	300 V	150 V	300 V


cUL Recognized 

		B	C	D
mm ² /AWG/kcmil	28-12	28-12	28-12	28-12
Nominal current I _N	20 A	20 A	20 A	10 A
Nominal voltage U _N	300 V	300 V	150 V	300 V


GOST 

VDE Zeichengenehmigung 

mm ² /AWG/kcmil	0.2-4.0
Nominal current I _N	24 A
Nominal voltage U _N	400 V

IECEE CB Scheme 

mm ² /AWG/kcmil	0.2-4.0
Nominal current I _N	24 A
Nominal voltage U _N	400 V

GOST 

Installation ground terminal block - STI 2,5-PE/L/L - 3031830

Approvals



Drawings

Circuit diagram

