

STI 2,5-PE/L/TG - Installation protective conductor terminal block



3039942

<https://www.phoenixcontact.com/us/products/3039942>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Installation protective conductor terminal block, nom. voltage: 400 V, nominal current: 24 A, Spring-cage connection, 1st and 2nd level, Rated cross section: 2.5 mm², cross section: 0.08 mm² - 4 mm², Rated cross section: 2.5 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

Your advantages

- The terminal blocks with knife disconnect zone in the upper level meet the safety requirement regarding individual circuit isolation of DIN VDE 0100-718

Commercial data

Item number	3039942
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BE02
Product key	BE2153
GTIN	4017918945787
Weight per piece (including packing)	17.78 g
Weight per piece (excluding packing)	16.622 g
Customs tariff number	85369010
Country of origin	PL

STI 2,5-PE/L/TG - Installation protective conductor terminal block



3039942

<https://www.phoenixcontact.com/us/products/3039942>

Technical data

Product properties

Product type	Ground terminal block
Number of positions	3
Number of connections	5
Number of rows	3
Potentials	2

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	4 kV
Maximum power dissipation for nominal condition	0.77 W

Connection data

Grounding foot	Yes
Number of connections per level	2
Nominal cross section	2.5 mm ²

1st and 2nd level

Connection method	Spring-cage connection
Note	Please observe the current carrying capacity of the DIN rails.
Stripping length	10 mm
Internal cylindrical gage	A3
Connection in acc. with standard	IEC 60947-7-1/IEC 60947-7-2
Conductor cross-section rigid	0.08 mm ² ... 4 mm ²
Cross section AWG	28 ... 12 (converted acc. to IEC)
Conductor cross-section flexible	0.08 mm ² ... 4 mm ²
Conductor cross-section, flexible [AWG]	28 ... 12 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm ² ... 2.5 mm ²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.14 mm ² ... 2.5 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ²
Nominal cross section	2.5 mm ²
Nominal current	24 A
Maximum load current	24 A (with 4 mm ² conductor cross-section)
Nominal voltage	400 V (phase conductor/phase conductor) 250 V (phase conductor/PE and phase conductor/N)
Connection in acc. with standard	IEC 60947-7-1
Nominal cross section	2.5 mm ²

STI 2,5-PE/L/TG - Installation protective conductor terminal block



3039942

<https://www.phoenixcontact.com/us/products/3039942>

Nominal current	16 A
Maximum load current	16 A

Dimensions

Width	5.2 mm
End cover width	2.2 mm

Material specifications

Color	gray
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA
Static insulating material application in cold	-60 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	125 °C
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3
Calorimetric heat release NFPA 130 (ASTM E 1354)	27,5 MJ/kg
Surface flammability NFPA 130 (ASTM E 162)	passed
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Smoke gas toxicity NFPA 130 (SMP 800C)	passed

Mechanical properties

Mechanical data

Open side panel	Yes
-----------------	-----

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-60 °C ... 105 °C (max. short-term operating temperature RTI Elec.)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Ambient temperature (assembly)	-5 °C ... 70 °C
Permissible humidity (storage/transport)	30 % ... 70 %

Standards and regulations

Connection in acc. with standard	IEC 60947-7-1/IEC 60947-7-2
	IEC 60947-7-1

Mounting

STI 2,5-PE/L/TG - Installation protective conductor terminal block



3039942

<https://www.phoenixcontact.com/us/products/3039942>

Mounting type	NS 35/7,5
	NS 35/15

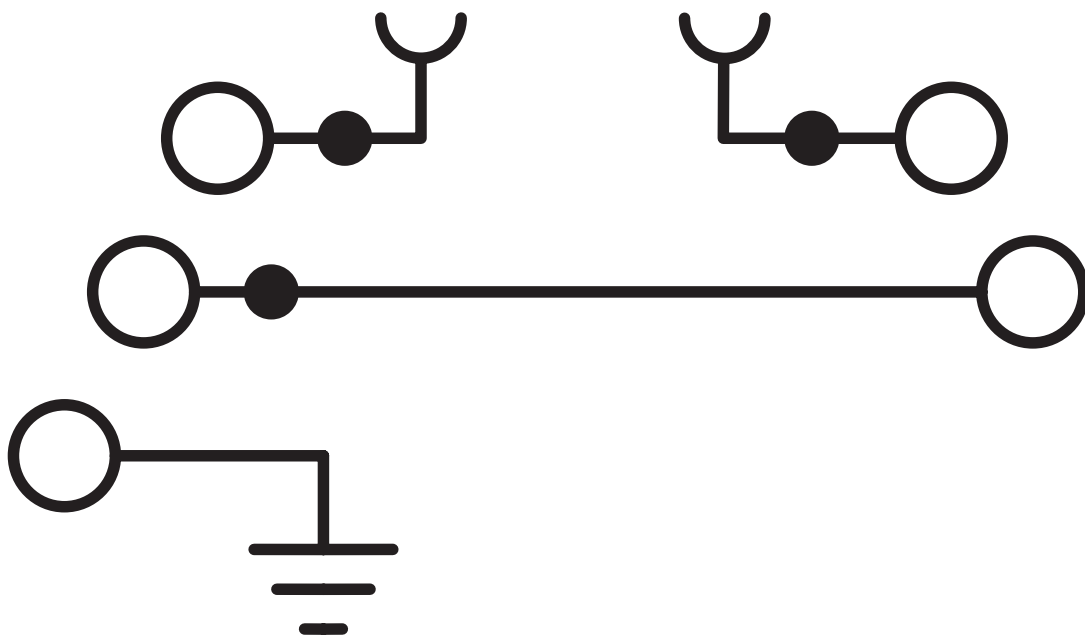
STI 2,5-PE/L/TG - Installation protective conductor terminal block

3039942

<https://www.phoenixcontact.com/us/products/3039942>

Drawings

Circuit diagram



STI 2,5-PE/L/TG - Installation protective conductor terminal block



3039942

<https://www.phoenixcontact.com/us/products/3039942>

Classifications

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

STI 2,5-PE/L/TG - Installation protective conductor terminal block



3039942

<https://www.phoenixcontact.com/us/products/3039942>

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
---	--------------------

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com