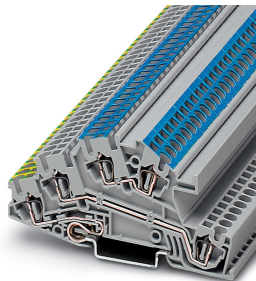


## Installation ground terminal block - STI 2,5-PE/L/N - 3031843

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Installation ground terminal block, nom. voltage: 400 V, nominal current: 24 A, Spring-cage connection, 1st, 2nd and 3rd level, Rated cross section: 2.5 mm<sup>2</sup>, cross section: 0.08 mm<sup>2</sup> - 4 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: gray

### Your advantages

- Each terminal point can be clearly labeled



### Key Commercial Data

Packing unit	50 pc
GTIN	 4 017918 606831
GTIN	4017918606831
Weight per Piece (excluding packing)	15.502 g
Custom tariff number	85369010
Country of origin	Germany
Sales Key	BE2153

### Technical data

#### General

Number of rows	3
Number of connections	5
Nominal cross section	2.5 mm <sup>2</sup>
Color	gray
Insulating material	PA
Flammability rating according to UL 94	V0
Rated surge voltage	4 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	I
Maximum power dissipation for nominal condition	0.77 W

# Installation ground terminal block - STI 2,5-PE/L/N - 3031843

## Technical data

### General

Connection in acc. with standard	IEC 60947-7-1/IEC 60947-7-2
Nominal current $I_N$	24 A
Maximum load current	24 A (with 4 mm <sup>2</sup> conductor cross section)
Nominal voltage $U_N$	400 V (phase conductor/phase conductor)
	250 V (phase conductor/PE)
	400 V (phase conductor/N)
Open side panel	Yes
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
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
Calorimetric heat release NFPA 130 (ASTM E 1354)	27,5 MJ/kg
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

### Dimensions

Width	5.2 mm
End cover width	2.2 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 <sup>2</sup>
Conductor cross section solid max.	4 mm <sup>2</sup>
Conductor cross section flexible min.	0.08 mm <sup>2</sup>
Conductor cross section flexible max.	4 mm <sup>2</sup>
Conductor cross section AWG min.	28
Conductor cross section AWG max.	12
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.14 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	2.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.14 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	2.5 mm <sup>2</sup>
Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum	0.5 mm <sup>2</sup>
Connection method	Spring-cage connection

# Installation ground terminal block - STI 2,5-PE/L/N - 3031843

## Technical data

### Connection data

Stripping length	10 mm
Internal cylindrical gage	A3

### Ambient conditions

Operating temperature	-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)
Permissible humidity (storage/transport)	30 % ... 70 %
Ambient temperature (assembly)	-5 °C ... 70 °C

### Standards and Regulations

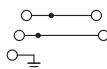
Connection in acc. with standard	IEC 60947-7-1/IEC 60947-7-2
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### Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

## Drawings

### Circuit diagram



## Classifications

### eCl@ss

eCl@ss 10.0.1	27141125
eCl@ss 11.0	27141125
eCl@ss 4.0	27141100
eCl@ss 4.1	27141100
eCl@ss 5.0	27141100
eCl@ss 5.1	27141100
eCl@ss 6.0	27141100
eCl@ss 7.0	27141125
eCl@ss 9.0	27141125

### ETIM

ETIM 2.0	EC001329
ETIM 3.0	EC001329
ETIM 4.0	EC001329
ETIM 6.0	EC001329
ETIM 7.0	EC001329

### UNSPSC

UNSPSC 6.01	30211811
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# Installation ground terminal block - STI 2,5-PE/L/N - 3031843

## Classifications

### UNSPSC

UNSPSC 7.0901	39121410
UNSPSC 11	39121410
UNSPSC 12.01	39121410
UNSPSC 13.2	39121410
UNSPSC 18.0	39121410
UNSPSC 19.0	39121410
UNSPSC 20.0	39121410
UNSPSC 21.0	39121410

## Approvals


### Approvals


#### Approvals


UL Recognized / cUL Recognized / IECCEB Scheme / EAC / VDE Zeichengenehmigung / cULus Recognized

#### Ex Approvals

### Approval details

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 60425	
		B	C	D
Nominal voltage UN	300 V	300 V	150 V	300 V
Nominal current IN	20 A	20 A	20 A	10 A
mm <sup>2</sup> /AWG/kcmil	28-12	28-12	28-12	28-12


cUL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 60425	
		B	C	D
Nominal voltage UN	300 V	300 V	150 V	300 V
Nominal current IN	20 A	20 A	20 A	10 A
mm <sup>2</sup> /AWG/kcmil	28-12	28-12	28-12	28-12


IECEE CB Scheme		<a href="http://www.iecee.org/">http://www.iecee.org/</a>	DE1-62774
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# Installation ground terminal block - STI 2,5-PE/L/N - 3031843

## Approvals

EAC		RU C- DE.BL08.B.00644
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VDE Zeichengenehmigung		<a href="http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx">http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx</a>	40034760
Nominal voltage UN	400 V		
Nominal current IN	24 A		
mm <sup>2</sup> /AWG/kcmil	0.2-2.5		

cULus Recognized	
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