

# Screw compact terminal block - PT 2.5/ 8-5.0-H - 1935831

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PCB terminal block, Nominal current: 32 A, Nom. voltage: 400 V, Pitch: 5 mm, Number of positions: 8, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 0 °, Color: green, When using ferrules, 250 V are only achieved in combination with surge voltage category/pollution degree II/2.

The figure shows a 10-position version of the product

## Why buy this product

- Large terminal block capacity thanks to rectangular clamping space
- 5.0 mm pitch
- Rugged version for larger cross sections
- Highly flexible conductor protection for easy, repeated connection
- Plus/minus screw



## Key commercial data

Packing unit	1
Minimum order quantity	100
Catalog page	Page 531 (CC-2011)
GTIN	4 017918 948450
Custom tariff number	85369010
Country of origin	POLAND

## Technical data

### Dimensions / positions

Length	9 mm
Height	13.5 mm
Pitch	5 mm
Dimension a	35 mm
Number of positions	8
Pin dimensions	1,0 mm
Pin spacing	5 mm
Hole diameter	1.3 mm
Screw thread	M3

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## Technical data

### Dimensions / positions

Tightening torque, min	0.45 Nm
Tightening torque max	0.5 Nm

### Technical data

Range of articles	PT 2,5/..-H
Insulating material group	I
Rated surge voltage (III/3)	4 kV
Rated surge voltage (III/2)	4 kV
Rated surge voltage (II/2)	4 kV
Rated voltage (III/3)	250 V
Rated voltage (III/2)	400 V
Rated voltage (II/2)	630 V
Connection in acc. with standard	EN-VDE
Nominal current $I_N$	32 A
Nominal cross section	2.5 mm <sup>2</sup>
Maximum load current	32 A (current values dependent on no. of pos., dimensioning of printed circuits, and ambient temperature)
Insulating material	PA
Inflammability class according to UL 94	V0
Internal cylindrical gage	A3 / B3
Stripping length	6.5 mm
Nominal voltage, UL/CUL Use Group B	300 V
Nominal current, UL/CUL Use Group B	20 A
Nominal voltage, UL/CUL Use Group D	300 V
Nominal current, UL/CUL Use Group D	10 A

### Connection data

Conductor cross section solid min.	0.5 mm <sup>2</sup>
Conductor cross section solid max.	4 mm <sup>2</sup>
Conductor cross section stranded min.	0.5 mm <sup>2</sup>
Conductor cross section stranded max.	4 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.5 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve max.	2.5 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.5 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve max.	2.5 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	20
Conductor cross section AWG/kcmil max	10
2 conductors with same cross section, solid min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, solid max.	1.5 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	1.5 mm <sup>2</sup>

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## Technical data

### Connection data

2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	0.75 mm <sup>2</sup> The technical data regarding clamping with ferrules applies only when using crimping pliers ZA 3. When using ferrules, it is necessary to take into account possible restrictions regarding nominal voltage.
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1.5 mm <sup>2</sup> The technical data regarding clamping with ferrules applies only when using crimping pliers ZA 3. When using ferrules, it is necessary to take into account possible restrictions regarding nominal voltage.
Minimum AWG according to UL/CUL	20
Maximum AWG according to UL/CUL	12

## Classifications

### ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002643
ETIM 5.0	EC002643

### UNSPSC

UNSPSC 11	34131203
UNSPSC 12.01	39121432
UNSPSC 13.2	39121432
UNSPSC 6.01	30211801
UNSPSC 7.0901	39121432

### eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27141109
eCl@ss 5.0	27141190
eCl@ss 5.1	27141190
eCl@ss 6.0	27261101
eCl@ss 7.0	27440401

## Approvals

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#### Approvals

UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / CCA / IECCEB CB Scheme / GOST / cULus Recognized


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## Approvals


Ex Approvals

Approvals submitted


### Approval details

UL Recognized 		
	B	D
mm <sup>2</sup> /AWG/kcmil	20-12	20-12
Nominal current I <sub>N</sub>	20 A	10 A
Nominal voltage U <sub>N</sub>	300 V	300 V

VDE Gutachten mit Fertigungsüberwachung 	
mm <sup>2</sup> /AWG/kcmil	0.5-4
Nominal current I <sub>N</sub>	32 A
Nominal voltage U <sub>N</sub>	250 V

cUL Recognized 		
	B	D
mm <sup>2</sup> /AWG/kcmil	20-12	20-12
Nominal current I <sub>N</sub>	20 A	10 A
Nominal voltage U <sub>N</sub>	300 V	300 V

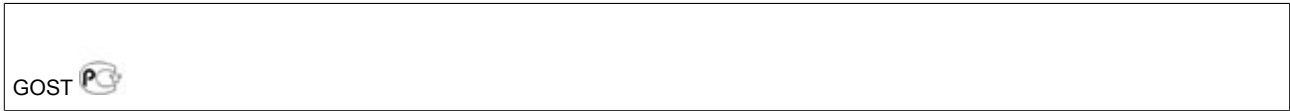
CCA	
mm <sup>2</sup> /AWG/kcmil	0.5-4
Nominal current I <sub>N</sub>	32 A
Nominal voltage U <sub>N</sub>	250 V

IECEE CB Scheme 	
mm <sup>2</sup> /AWG/kcmil	0.5-4
Nominal current I <sub>N</sub>	32 A

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## Approvals

Nominal voltage UN	250 V
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## Accessories

### Accessories

### Marking

Marker cards - SK 5/3,8:FORTL.ZAHLEN - 0804183



Marker cards, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - (99)100, Mounting type: Adhesive, For terminal block width: 5 mm

## Tools

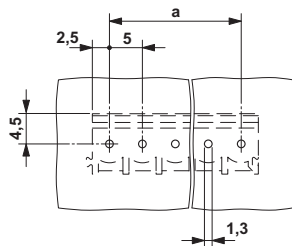
Screwdriver - SZS 0,6X3,5 - 1205053



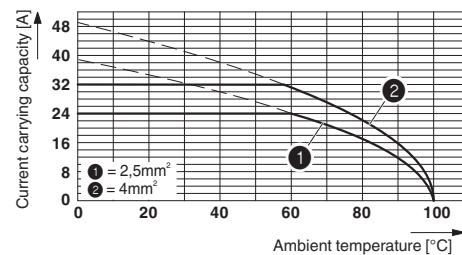
Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip

## Drawings

### Drilling diagram



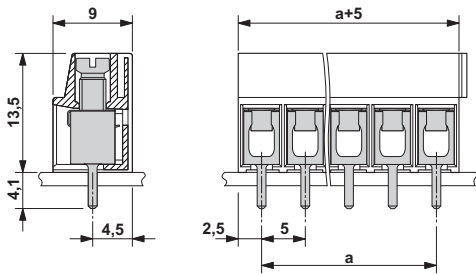
### Diagram



Derating diagram for 5 pins;reduction factor=1

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Dimensioned drawing



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