

## PCB terminal block - PT 1,5/ 5-5,0-H - 1935190

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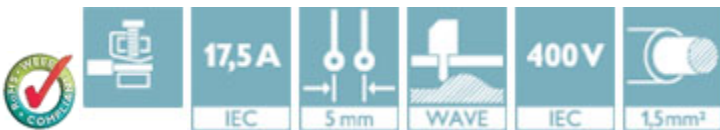
PCB terminal block, Nominal current: 17.5 A, Nom. voltage: 400 V, Pitch: 5 mm, Number of positions: 5, Connection method: Screw connection with wire protector, Mounting: Wave soldering, Conductor/PCB connection direction: 0 °, Color: green, Also possible: Connection of a 1.5 mm<sup>2</sup> conductor with ferrule, then however with reduction in rated voltage or degree of pollution / surge category.



The figure shows a 10-position version of the product

### Product Features

- Large terminal block capacity thanks to rectangular clamping space
- Rugged version with high current carrying capacity
- Highly flexible conductor protection for easy, repeated connection
- Plus/minus screw



### Key Commercial Data

Packing unit	1 pc
Minimum order quantity	100 pc
Weight per Piece (excluding packing)	5.11 g
Custom tariff number	85369010
Country of origin	Germany

### Technical data

#### Dimensions

Length	9 mm
Pitch	5.00 mm
Dimension a	20 mm
Constructional height	11.4 mm
Height	11.3 mm
Length of the solder pin	3.5 mm
Pin dimensions	1,0 mm

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## Technical data

### Dimensions

Pin spacing	5 mm
Hole diameter	1.3 mm

### General

Range of articles	PT 1,5/..-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 $I_N$	17.5 A
Nominal cross section	1.5 mm <sup>2</sup>
Maximum load current	17.5 A
Insulating material	PA
Solder pin surface	Sn
Flammability rating according to UL 94	V0
Internal cylindrical gage	A1
Stripping length	5 mm
Number of positions	5
Screw thread	M2,6
Tightening torque, min	0.35 Nm
Tightening torque max	0.4 Nm

### Connection data

Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	2.5 mm <sup>2</sup>
Conductor cross section flexible min.	0.2 mm <sup>2</sup>
Conductor cross section flexible max.	2.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	1.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	1.5 mm <sup>2</sup>
Conductor cross section AWG min.	26
Conductor cross section AWG max.	14
2 conductors with same cross section, solid min.	0.2 mm <sup>2</sup>

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### Technical data

#### Connection data

2 conductors with same cross section, solid max.	0.75 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.2 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	0.75 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	0.34 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.	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.

#### Standards and Regulations

Connection in acc. with standard	EN-VDE
	CUL
Flammability rating according to UL 94	V0

### Classifications

#### 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
eCl@ss 8.0	27440401
eCl@ss 9.0	27440401

#### ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002643
ETIM 5.0	EC002643

#### UNSPSC

UNSPSC 6.01	30211801
UNSPSC 7.0901	39121432
UNSPSC 11	34131203

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## Classifications

### UNSPSC

UNSPSC 12.01	39121432
UNSPSC 13.2	39121432

## Approvals

### Approvals


#### Approvals


UL Recognized / cUL Recognized / CCA / VDE Gutachten mit Fertigungsüberwachung / CCA / IEC60335 CB Scheme / EAC / SEV / EAC / cULus Recognized

#### Ex Approvals

#### Approvals submitted

## Approval details

UL Recognized 		
	B	D
mm <sup>2</sup> /AWG/kcmil	26-12	26-12
Nominal current I <sub>N</sub>	18 A	10 A
Nominal voltage U <sub>N</sub>	300 V	300 V


cUL Recognized 		
	B	D
mm <sup>2</sup> /AWG/kcmil	26-12	26-12
Nominal current I <sub>N</sub>	18 A	10 A
Nominal voltage U <sub>N</sub>	300 V	300 V

CCA	
mm <sup>2</sup> /AWG/kcmil	2.5


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### Approvals

Nominal current IN	16 A
Nominal voltage UN	250 V

VDE Gutachten mit Fertigungsüberwachung 	
mm <sup>2</sup> /AWG/kcmil	0.2-2.5
Nominal current IN	24 A
Nominal voltage UN	250 V

CCA	
mm <sup>2</sup> /AWG/kcmil	0.2-2.5
Nominal current IN	24 A
Nominal voltage UN	250 V

IECEE CB Scheme 	
mm <sup>2</sup> /AWG/kcmil	0.2-2.5
Nominal current IN	24 A
Nominal voltage UN	250 V

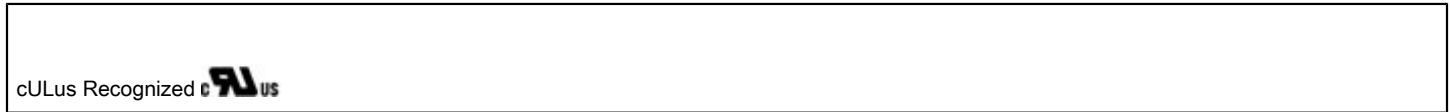
EAC	
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SEV	
mm <sup>2</sup> /AWG/kcmil	2.5
Nominal current IN	16 A
Nominal voltage UN	250 V

EAC	
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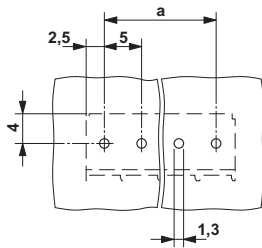
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## Approvals

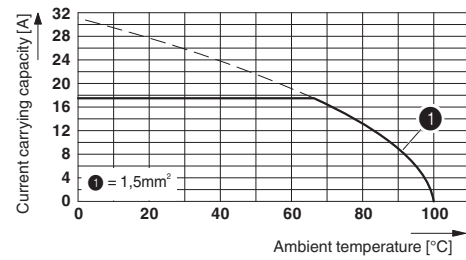


## Drawings

Drilling diagram



Diagram



Derating diagram for 5 pins;reduction factor=1

Dimensional drawing

