

## PCB terminal block - PTA 1,5/16-5,0 BK - 1702972

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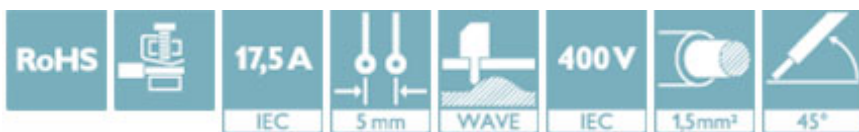
PCB terminal block, nominal current: 17.5 A, nom. voltage: 400 V, pitch: 5 mm, number of positions: 16, connection method: Screw connection with wire protector, mounting: Wave soldering, conductor/PCB connection direction: 45 °, color: black



The figure shows a 10-position version of the product

### Your advantages

- ✓ Well-known connection principle allows worldwide use
- ✓ Low temperature rise, thanks to maximum contact force
- ✓ High terminal block capacity thanks to rectangular terminal block space
- ✓ Allows connection of two conductors
- ✓ Angled connection enables multi-row arrangement on the PCB
- ✓ The latching on the side enables various numbers of positions to be combined



### Key Commercial Data

Packing unit	50 pc
GTIN	
GTIN	4046356630504

### Technical data

#### Dimensions

Pitch	5 mm
Dimension a	75 mm
Solder pin [P]	3.5 mm
Pin spacing	5 mm
Hole diameter	1.3 mm

#### General

Range of articles	PTA 1,5
Insulating material group	I
Rated surge voltage (III/3)	4 kV

## PCB terminal block - PTA 1,5/16-5,0 BK - 1702972

### Technical data

#### General

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 <sub>N</sub>	17.5 A
Nominal cross section	1.5 mm <sup>2</sup>
Maximum load current	24 A
Insulating material	PA
Flammability rating according to UL 94	V0
Internal cylindrical gage	A1 / B1
Stripping length	5 mm
Number of positions	16
Screw thread	M2,6
Tightening torque, min	0.35 Nm
Tightening torque max	0.4 Nm

#### Connection data

Conductor cross section AWG min.	26
Conductor cross section AWG max.	14
2 conductors with same cross section, solid min.	0.14 mm <sup>2</sup>
2 conductors with same cross section, solid max.	1 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.14 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>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.25 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	0.75 mm <sup>2</sup>

#### Standards and Regulations

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

#### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

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## Approvals

### Approvals

#### Approvals

IECEE CB Scheme / VDE Gutachten mit Fertigungsüberwachung / EAC / cULus Recognized

#### Ex Approvals

### Approval details

IECEE CB Scheme		<a href="http://www.iecee.org/">http://www.iecee.org/</a>	DE1-58868
Nominal voltage UN	250 V		
Nominal current IN	24 A		
mm <sup>2</sup> /AWG/kcmil	0.2-2.5		

VDE Gutachten mit Fertigungsüberwachung		<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>	40031691
Nominal voltage UN	250 V		
Nominal current IN	24 A		
mm <sup>2</sup> /AWG/kcmil	0.2-2.5		

EAC		B.01742
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cULus 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>	E60425-20030211
	D	B	
Nominal voltage UN	300 V	300 V	
Nominal current IN	10 A	15 A	
mm <sup>2</sup> /AWG/kcmil	26-12	26-12	

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