

# PCB terminal block - PT 2,5/ 5-7,5-H - 1988134

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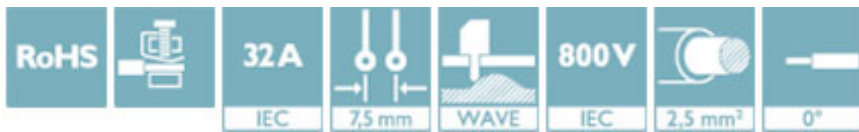
PCB terminal block, nominal current: 32 A, nom. voltage: 800 V, pitch: 7.5 mm, number of positions: 5, connection method: Screw connection with wire protector, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: green



The figure shows a 10-position version of the product

## Why buy this product

- 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
- The latching on the side enables various numbers of positions to be combined



## Key Commercial Data

Packing unit	100 STK
GTIN	
GTIN	4046356036665

## Technical data

### Dimensions

Length [ l ]	9 mm
Pitch	7.5 mm
Dimension a	30 mm
Width [ w ]	37.5 mm
Constructional height	13.5 mm
Height [ h ]	17.6 mm
Solder pin [P]	4.1 mm
Pin dimensions	1,0 mm
Pin spacing	7.5 mm
Hole diameter	1.3 mm

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## Technical data

### General

Range of articles	PT 2,5/..-H
Insulating material group	I
Rated surge voltage (III/3)	6 kV
Rated surge voltage (III/2)	6 kV
Rated surge voltage (II/2)	6 kV
Rated voltage (III/3)	500 V
Rated voltage (III/2)	800 V
Rated voltage (II/2)	1000 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
Insulating material	PA
Flammability rating according to UL 94	V0
Internal cylindrical gage	A3
Stripping length	6.5 mm
Number of positions	5
Screw thread	M3
Tightening torque, min	0.45 Nm
Tightening torque max	0.5 Nm

### 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 flexible min.	0.5 mm <sup>2</sup>
Conductor cross section flexible max.	4 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.5 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.	0.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	2.5 mm <sup>2</sup>
Conductor cross section AWG min.	20
Conductor cross section AWG 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>
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.

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## Technical data

### Connection data

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.

### Standards and Regulations

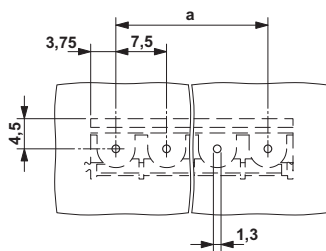
Connection in acc. with standard	EN-VDE
	CUL
Flammability rating according to UL 94	V0

### Environmental Product Compliance

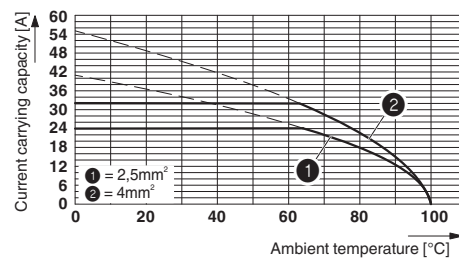
REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Drawings

Drilling diagram

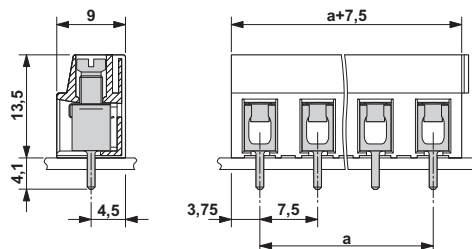


Diagram



Derating diagram for 5 pins; reduction factor=1

Dimensional drawing



## Approvals

Approvals

# PCB terminal block - PT 2,5/ 5-7,5-H - 1988134

## Approvals

Approvals

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

Ex Approvals

## Approval details

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>	40029839
Nominal voltage UN	750 V		
Nominal current IN	32 A		
mm <sup>2</sup> /AWG/kcmil	0.5-4		

CCA	DE1 34001		
Nominal voltage UN	750 V		
Nominal current IN	32 A		
mm <sup>2</sup> /AWG/kcmil	0.5-4		

IECEE CB Scheme		<a href="http://www.iecee.org/">http://www.iecee.org/</a>	DE1-58861
Nominal voltage UN	750 V		
Nominal current IN	32 A		
mm <sup>2</sup> /AWG/kcmil	0.5-4		

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	C	
Nominal voltage UN	300 V	300 V	150 V	
Nominal current IN	10 A	20 A	20 A	
mm <sup>2</sup> /AWG/kcmil	20-12	20-12	20-12	

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