

## FRONT 4-V-7,62- 5 A BD:SERD TS - 1707375

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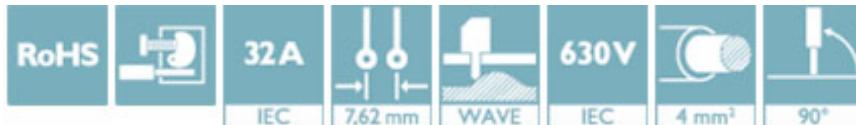


PCB terminal block, nominal current: 32 A, nom. voltage: 630 V, pitch: 7.62 mm, number of positions: 5, connection method: Front screw connection, mounting: Wave soldering, conductor/PCB connection direction: 90 °, color: green

The figure shows a 5-pos. version of the product

### Your advantages

- Well-known connection principle allows worldwide use
- Low temperature rise, thanks to maximum contact force
- Allows connection of two conductors
- Operation and conductor connection from one direction enable integration into front of device



### Key Commercial Data

Packing unit	50 pc
GTIN	 4 046356 918848
GTIN	4046356918848

### Technical data

#### Item properties

Brief article description	PCB terminal block
Range of articles	FRONT 4-V
Pitch	7.62 mm
Number of positions	5
Connection method	Front screw connection
Screw thread	M3
Mounting type	Wave soldering
Pin layout	Linear double pinning
Number of levels	1

#### Electrical parameters

Rated current	32 A
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## Technical data

### Electrical parameters

Rated insulation voltage (III/2)	630 V
Rated surge voltage (III/2)	6 kV

### Connection capacity

Conductor cross section solid	0.5 mm <sup>2</sup> ... 6 mm <sup>2</sup>
Conductor cross section flexible	0.5 mm <sup>2</sup> ... 6 mm <sup>2</sup>
Conductor cross section AWG / kcmil	20 ... 10
Conductor cross section flexible, with ferrule without plastic sleeve	0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
2 conductors with same cross section, solid	0.5 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
2 conductors with same cross section, flexible	0.5 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve	0.25 mm <sup>2</sup> ... 1 mm <sup>2</sup>
2 conductors with same cross section, stranded, with TWIN ferrules with plastic sleeve	0.5 mm <sup>2</sup> ... 1 mm <sup>2</sup>
Stripping length	14 mm
Torque	0.5 Nm ... 0.6 Nm

### Material data - contact

Note	WEEE/RoHS-compliant, free of whiskers according to IEC 60068-2-82/JEDEC JESD 201
Contact material	Cu alloy
Surface characteristics	hot-dip tin-plated
Metal surface terminal point (top layer)	Tin (5 - 7 µm Sn)
Metal surface soldering area (top layer)	Tin (5 - 7 µm Sn)

### Material data - housing

Insulating material	PA
Insulating material group	I
CTI according to IEC 60112	600
Flammability rating according to UL 94	V0
Glow wire flammability index GWFI according to EN 60695-2-12	850
Glow wire ignition temperature GWIT according to EN 60695-2-13	775
Temperature for the ball pressure test according to EN 60695-10-2	125 °C

### Dimensions for the product

Length [l]	27 mm
Pitch	7.62 mm
Height (without solder pin)	26 mm
Solder pin [P]	5 mm
Pin dimensions	1 x 0.8 mm
Dimension a	30.48 mm

### Dimensions for PCB design

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## Technical data

### Dimensions for PCB design

Hole diameter	1.3 mm
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### Packaging information

Type of packaging	packed in cardboard
Pieces per package	50
Denomination packing units	Pcs.

### Electrical tests

Rated current	32 A
Rated insulation voltage (III/2)	630 V
Rated surge voltage (III/2)	6 kV

### Air clearances and creepage distances

Insulating material group	I
Voltage	500 V
Rated insulation voltage (III/3)	500 V
Rated insulation voltage (III/2)	630 V
Rated insulation voltage (II/2)	1000 V
Rated surge voltage (III/3)	6 kV
Rated surge voltage (III/2)	6 kV
Rated surge voltage (II/2)	6 kV

### Standards and Regulations

Connection in acc. with standard	EN-VDE
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### Environmental Product Compliance

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

## Approvals

### Approvals

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Approvals

CSA / EAC

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Ex Approvals

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### Approval details

## FRONT 4-V-7,62- 5 A BD:SERD TS - 1707375

### Approvals

CSA		<a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a>	13631
	D	B	
Nominal voltage UN	300 V	300 V	
Nominal current IN	10 A	30 A	
mm <sup>2</sup> /AWG/kcmil	22-10	22-10	

EAC		B.01742
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