

PCB terminal block - FRONT 4-H-6,35 - 1703050

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PCB terminal block, Nominal current: 32 A, Nom. voltage: 320 V, Pitch: 6.35 mm, Number of positions: 1, Connection method: Front screw connection, Mounting: Wave soldering, Conductor/PCB connection direction: 0 °, Color: green, The article can be aligned to create different nos. of positions!

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

Why buy this product

- 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 STK |
| GTIN | |
| GTIN | 4017918023072 |
| Weight per Piece (excluding packing) | 0.008 kg |
| Custom tariff number | 85369010 |
| Country of origin | Bulgaria |

Technical data

Environmental Product Compliance

| | |
|------------|--|
| China RoHS | No hazardous substances above threshold values |
|------------|--|

Dimensions

| | |
|-----------------------|---------|
| Length | 26 mm |
| Pitch | 6.35 mm |
| Dimension a | 6.35 mm |
| Constructional height | 26 mm |
| Height | 33 mm |

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Technical data

Dimensions

| | |
|--------------------------|------------|
| Length of the solder pin | 5 mm |
| Pin dimensions | 1 x 0,8 mm |
| Hole diameter | 1.3 mm |

General

| | |
|--|---|
| Range of articles | FRONT 4-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) | 320 V |
| Rated voltage (III/2) | 320 V |
| Rated voltage (II/2) | 630 V |
| Connection in acc. with standard | EN-VDE |
| Nominal current I_N | 32 A |
| Nominal cross section | 4 mm ² |
| Maximum load current | 41 A (with 6 mm ² conductor cross section) |
| Insulating material | PA |
| Solder pin surface | Sn |
| Flammability rating according to UL 94 | V0 |
| Stripping length | 14 mm |
| Number of positions | 1 |
| Screw thread | M3 |
| Tightening torque, min | 0.5 Nm |
| Tightening torque max | 0.6 Nm |

Connection data

| | |
|--|---------------------|
| Conductor cross section solid min. | 0.5 mm ² |
| Conductor cross section solid max. | 6 mm ² |
| Conductor cross section flexible min. | 0.5 mm ² |
| Conductor cross section flexible max. | 6 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.5 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 4 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.5 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 2.5 mm ² |
| Conductor cross section AWG min. | 20 |
| Conductor cross section AWG max. | 10 |
| 2 conductors with same cross section, solid min. | 0.5 mm ² |
| 2 conductors with same cross section, solid max. | 1.5 mm ² |
| 2 conductors with same cross section, stranded min. | 0.5 mm ² |
| 2 conductors with same cross section, stranded max. | 1.5 mm ² |

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Technical data

Connection data

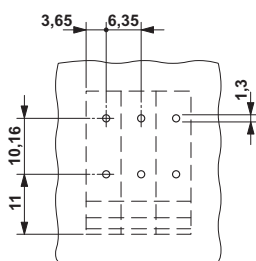
| | |
|---|----------------------|
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 0.25 mm ² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. | 1 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 1 mm ² |

Standards and Regulations

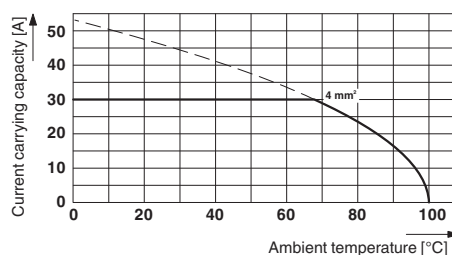
| | |
|--|--------|
| Connection in acc. with standard | EN-VDE |
| | CSA |
| Flammability rating according to UL 94 | V0 |

Drawings

Drilling diagram

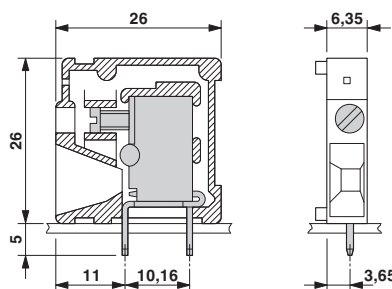


Diagram



Type: FRONT 4-H-6,35
 Test following DIN EN 60512-5-2:2003-01
 Reduction factor = 1
 No. of positions: 5

Dimensional drawing



Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27141109 |
| eCl@ss 4.1 | 27141109 |

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Classifications

eCl@ss

| | |
|------------|----------|
| 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 | 39121432 |
| UNSPSC 12.01 | 39121432 |
| UNSPSC 13.2 | 39121432 |

Approvals


Approvals

Approvals

CSA / UL Recognized / cUL Recognized / GL / RS / EAC / EAC / cULus Recognized

Ex Approvals

Approval details

| | | |
|---|-------|-------|
| CSA  http://www.csagroup.org/us/en/services/testing-and-certification/certified-product-listing 13631 | | |
| | B | D |
| mm ² /AWG/kcmil | 22-10 | 22-10 |
| Nominal current IN | 30 A | 10 A |
| Nominal voltage UN | 300 V | 300 V |

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Approvals

UL Recognized <http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm> FILE E 60425

| | B | D |
|--------------------|-------|-------|
| mm²/AWG/kcmil | 24-10 | 24-10 |
| Nominal current IN | 30 A | 10 A |
| Nominal voltage UN | 300 V | 300 V |

cUL Recognized <http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm> FILE E 60425

| | B | D |
|--------------------|-------|-------|
| mm²/AWG/kcmil | 24-10 | 24-10 |
| Nominal current IN | 30 A | 10 A |
| Nominal voltage UN | 300 V | 300 V |

GL <http://www.gl-group.com/newbuilding/approvals/index.html> 9888096 HH

RS <http://www.rs-head.spb.ru/en/index.php> 10.04059.250

EAC EAC-Zulassung

EAC B.01742

cULus Recognized <http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm>

Accessories

Accessories

End cover

PCB terminal block - D-FRONT 4-6,35 - 1703076



End cover, necessary at the end of a terminal row, 1.5 mm thick, color: green

Labeled terminal marker

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Accessories

Marker card - SK 6,2/3,8:FORTL.ZAHLEN - 0804374



Marker card, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - (99)100, Mounting type: Adhesive, for terminal block width: 6.2 mm, Lettering field: 6.2 x 3.8 mm

Marker pen

Marker pen - B-STIFT - 1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

Screwdriver 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, with non-slip grip

Terminal marking

Marker card - SK 6,2/3,8:UNBEDRUCKT - 0805425



Marker card, Card, white, unlabeled, can be labeled with: Marker pen, Mounting type: Adhesive, for terminal block width: 6.2 mm, Lettering field: 6.2 x 3.8 mm

Additional products

PCB terminal block - D-FRONT 4-6,35 - 1703076



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