

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Phoenix Contact](#)
[1702051](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

<https://www.phoenixcontact.com/us/products/1702051>



PCB terminal block - FRONT 4-H-7,62 BK - 1702051

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



PCB terminal block, Nominal current: 32 A, Nom. voltage: 630 V, Pitch: 7.62 mm, Number of positions: 1, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 0 °, Color: black, The article can be aligned to create different nos. of positions!

The illustration shows a combination as a 5-position version, with horizontal and vertical connection direction

Key commercial data

| | |
|--------------------------------------|----------|
| Packing unit | 1 pc |
| Weight per Piece (excluding packing) | 9.04 GRM |
| Custom tariff number | 85369010 |
| Country of origin | Bulgaria |

Technical data

Dimensions

| | |
|----------------|------------|
| Length | 26 mm |
| Height | 33.4 mm |
| Pitch | 7.62 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) | 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) | 630 V |
| Rated voltage (II/2) | 1000 V |
| Connection in acc. with standard | EN-VDE |

https://www.phoenixcontact.com/us/products/1702051



PCB terminal block - FRONT 4-H-7,62 BK - 1702051

Technical data

General

| | |
|---|---|
| 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 |
| Inflammability class 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 stranded min. | 0.5 mm ² |
| Conductor cross section stranded max. | 6 mm ² |
| Conductor cross section stranded, with ferrule without plastic sleeve min. | 0.5 mm ² |
| Conductor cross section stranded, with ferrule without plastic sleeve max. | 4 mm ² |
| Conductor cross section stranded, with ferrule with plastic sleeve min. | 0.5 mm ² |
| Conductor cross section stranded, with ferrule with plastic sleeve max. | 2.5 mm ² |
| Conductor cross section AWG/kcmil min. | 20 |
| Conductor cross section AWG/kcmil 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 |
| 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 |
| Minimum AWG according to UL/CUL | 24 |
| Maximum AWG according to UL/CUL | 10 |

https://www.phoenixcontact.com/us/products/1702051



PCB terminal block - FRONT 4-H-7,62 BK - 1702051

Classifications

eCl@ss

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

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 / GOST / GOST / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

https://www.phoenixcontact.com/us/products/1702051



PCB terminal block - FRONT 4-H-7,62 BK - 1702051

Approvals

| | | |
|----------------------------|-------|-------|
| CSA | | |
| | B | D |
| mm ² /AWG/kcmil | 22-10 | 22-10 |
| Nominal current IN | 30 A | 10 A |
| Nominal voltage UN | 300 V | 300 V |

| | | |
|----------------------------|-------|-------|
| UL Recognized | | |
| | B | D |
| mm ² /AWG/kcmil | 24-10 | 24-10 |
| Nominal current IN | 30 A | 10 A |
| Nominal voltage UN | 300 V | 300 V |

| | | |
|----------------------------|-------|-------|
| cUL Recognized | | |
| | B | D |
| mm ² /AWG/kcmil | 24-10 | 24-10 |
| Nominal current IN | 30 A | 10 A |
| Nominal voltage UN | 300 V | 300 V |

| | | |
|------|--|--|
| GOST | | |
|------|--|--|

| | | |
|------|--|--|
| GOST | | |
|------|--|--|

| | | |
|------------------|--|--|
| cULus Recognized | | |
|------------------|--|--|