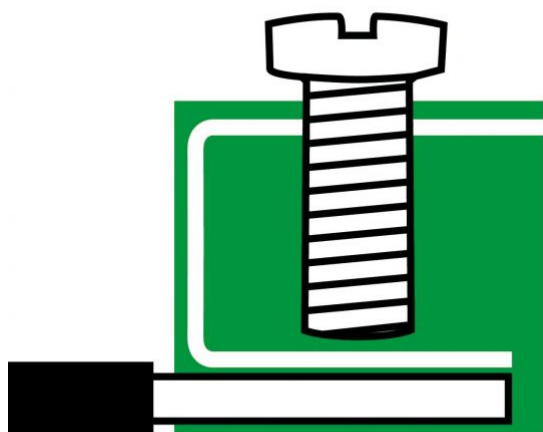


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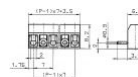
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M2



7.00 mm



PCB terminal, Wire protection, No. of poles: 5, Width: 31.5 mm, Colour: Dark grey

Business data

Packaging unit 50

Quantity unit PC

Packaging type Carton

Type of banding Without

Weight per piece (not including packaging) 3.2

Weight per piece (including packaging) 3.6

Unit of weight G

Customs number 85369010

Country of origin QU

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Technical Data

Dimensions

| | |
|----------------------------|---------|
| Length | 8.2 mm |
| Length of the pin | 3.5 mm |
| Width | 31.5 mm |
| Width left | 1.75 mm |
| Width right | 1.75 mm |
| Height | 6.5 mm |
| Drill hole diameter | 1.2 mm |
| Diameter of connecting pin | 0.9 mm |
| Pitch | 7 mm |

Ratings

| | |
|-----------------------|-------------------|
| Rated voltage | 450 V |
| Rated current | 13.5 A |
| Rated cross-section | 1 mm ² |
| Rated impulse voltage | 2.5 kV |
| Overvoltage category | III |
| Contamination degree | 3 |

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Technical Data

Connection data

| | |
|--|--------------------------|
| Connection principle | Wire protection |
| Connection type of PCB | Solder connection |
| Type of attachment to circuit board | Connecting contact |
| Angle of PCB/wire connection | 90° (vertically upwards) |
| No. of poles | 5 |
| Number of levels | 1 |
| Wire cross-section single-core (rigid) / stranded, min. | 0.08 mm ² |
| Wire cross-section single core (rigid)/stranded, max. | 1.5 mm ² |
| Wire cross-section stranded, min. | 0.08 mm ² |
| Wire cross-section stranded, max. | 1 mm ² |
| Wire cross-section stranded with wire-end ferrules, min. | 0.14 mm ² |
| Wire cross-section stranded with wire-end ferrules, max. | 0.5 mm ² |
| Wire cross-section AWG, min. | 28 |
| Wire cross-section AWG, max. | 16 |
| Stripping length | 5.5 mm |
| Screw threading | M 2 |
| Torque | 0.2 Nm |

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Technical Data

Materials

| | |
|---------------------------|-----------------|
| Insulation housing | Polyamide 6.6 |
| Flammability class UL 94 | V-0 |
| Working temperature, min. | -30 °C |
| Working temperature, max. | 105 °C |
| Clamping element | Brass |
| Screws | Steel |
| Wire protection | Stainless steel |

Further technical data

| | |
|--|-----------------------------|
| Storage temperature, min. | -40 °C |
| Storage temperature, max. | 105 °C |
| Insulation resistance | 1*10 ¹³ Ohm x cm |
| Creepage-current resistance | CTI 600 |
| Glow wire flammability index GWFI | GWFI 850 |
| GWFI after-glow time | 30 Sek. |
| Glow wire ignition temperature GWIT | GWIT 775 °C |
| GWIT exposure time | 5 Sek. |
| Connection cycles, in compliance with standard | 5 |
| Recommended wave soldering temperature | 265 °C |

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Technical Data

Further technical data

| | |
|---|--------|
| Recommended wave soldering duration, min. | 3 Sek. |
|---|--------|

| | |
|---|--------|
| Recommended wave soldering duration, max. | 4 Sek. |
|---|--------|

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Approvals

cUL Recognized

| | |
|--|-----------------|
| cUL Recognized | CSA 22.2 No.158 |
| cUL Recognized | ✓ |
| cUL Usegroup B: rated voltage | 300 V |
| cUL Usegroup B: rated current | 6 A |
| cUL Usegroup C: rated voltage | 150 V |
| cUL Usegroup C: rated current | 6 A |
| cUL Usegroup D: rated voltage | 300 V |
| cUL Usegroup D: rated current | 6 A |
| cUL wire cross-section single-core (rigid) AWG, min. | 28 |
| cUL wire cross-section single-core (rigid) AWG, max. | 16 |
| cUL wire cross-section stranded AWG, min. | 16 |
| cUL wire cross-section stranded AWG, max. | 28 |
| cUL torque | 0.25 Nm |
| cUL wire material | Cu |

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Approvals

UL Recognized

| | |
|---|------------|
| UL Recognized | UL 1059 |
| UL Recognized granted | ✓ |
| UL Usegroup B: rated voltage | 300 V |
| UL Usegroup B: rated current | 6 A |
| UL Usegroup C: rated voltage | 150 V |
| UL Usegroup C: rated current | 6 A |
| UL Usegroup D: rated voltage | 300 V |
| UL Usegroup D: rated current | 6 A |
| UL wire cross-section single-core (rigid) AWG, min. | 28 |
| UL wire cross-section single-core (rigid) AWG, max. | 16 |
| UL wire cross-section stranded AWG, min. | 16 |
| UL wire cross-section stranded AWG, max. | 28 |
| UL torque | 2.21 Lb In |
| UL wire material | Cu |
| UL factory wiring | ✓ |
| UL field wiring | ✓ |

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Approvals

VDE approval

| | |
|---|---------------------|
| VDE approval | DIN EN 60998 |
| VDE approval granted | ✓ |
| VDE rated voltage | 450 V |
| VDE rated current | 13.5 A |
| VDE rated current wire cross-section rigid, max. | 13.5 A |
| VDE rated current wire cross-section stranded, max. | 13.5 A |
| VDE rated impulse voltage | 2.5 kV |
| VDE wire cross-section rigid, min. | 0.5 mm ² |
| VDE wire cross-section rigid, max. | 1 mm ² |
| VDE wire cross-section stranded, min. | 0.5 mm ² |
| VDE wire cross-section stranded, max. | 1 mm ² |
| VDE screw threading | M 2 |
| VDE torque | 0.2 Nm |
| VDE overvoltage category | III |
| VDE contamination degree | 3 |

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Media

