

PCB terminal block - MPT 0,5/10-2,54 - 1725737

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PCB terminal block, Nominal current: 6 A, Nom. voltage: 160 V, Pitch: 2.54 mm, Number of positions: 10, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 0 °, Color: green



The figure shows a 10-position version of the product

Product Features

- Single-row type with horizontal connection direction
- Use in miniature modules with high contact density
- MICRO PCB terminal block with 2.54 mm IC pitch



Key commercial data

| | |
|--------------------------------------|---|
| Packing unit | 1 pc |
| GTIN |  4 017918 116330 |
| Weight per Piece (excluding packing) | 2.97 GRM |
| Custom tariff number | 85369010 |
| Country of origin | Germany |

Technical data

Dimensions

| | |
|----------------|--------------|
| Length | 6.2 mm |
| Pitch | 2.54 mm |
| Dimension a | 22.86 mm |
| Pin dimensions | 0,5 x 0,9 mm |
| Hole diameter | 1.1 mm |

General

| | |
|-------------------|---------|
| Range of articles | MPT 0,5 |
|-------------------|---------|

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Technical data

General

| | |
|---|---------------------|
| Insulating material group | I |
| Rated surge voltage (III/3) | 1.5 kV |
| Rated surge voltage (III/2) | 1.5 kV |
| Rated surge voltage (II/2) | 2.5 kV |
| Rated voltage (III/3) | 63 V |
| Rated voltage (III/2) | 160 V |
| Rated voltage (II/2) | 320 V |
| Connection in acc. with standard | EN-VDE |
| Nominal current I_N | 6 A |
| Nominal cross section | 0.5 mm ² |
| Maximum load current | 6 A |
| Insulating material | PA |
| Solder pin surface | Sn |
| Inflammability class according to UL 94 | V0 |
| Stripping length | 4.5 mm |
| Number of positions | 10 |
| Screw thread | M1,6 |
| Tightening torque, min | 0.12 Nm |
| Tightening torque max | 0.15 Nm |

Connection data

| | |
|--|----------------------|
| Conductor cross section solid min. | 0.14 mm ² |
| Conductor cross section solid max. | 0.5 mm ² |
| Conductor cross section stranded min. | 0.14 mm ² |
| Conductor cross section stranded max. | 0.5 mm ² |
| Conductor cross section stranded, with ferrule without plastic sleeve min. | 0.25 mm ² |
| Conductor cross section stranded, with ferrule without plastic sleeve max. | 0.34 mm ² |
| Conductor cross section stranded, with ferrule with plastic sleeve min. | 0.25 mm ² |
| Conductor cross section stranded, with ferrule with plastic sleeve max. | 0.34 mm ² |
| Conductor cross section AWG/kcmil min. | 26 |
| Conductor cross section AWG/kcmil max | 20 |
| 2 conductors with same cross section, solid min. | 0.14 mm ² |
| 2 conductors with same cross section, solid max. | 0.34 mm ² |
| 2 conductors with same cross section, stranded min. | 0.14 mm ² |
| 2 conductors with same cross section, stranded max. | 0.34 mm ² |
| Minimum AWG according to UL/CUL | 30 |
| Maximum AWG according to UL/CUL | 20 |

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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

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Approvals

| | |
|----------------------------|-------|
| CSA | |
| | B |
| mm ² /AWG/kcmil | 28-20 |
| Nominal current IN | 6 A |
| Nominal voltage UN | 125 V |

| | |
|----------------------------|-------|
| UL Recognized | |
| | B |
| mm ² /AWG/kcmil | 30-20 |
| Nominal current IN | 6 A |
| Nominal voltage UN | 125 V |

| | |
|----------------------------|-------|
| cUL Recognized | |
| | B |
| mm ² /AWG/kcmil | 30-20 |
| Nominal current IN | 6 A |
| Nominal voltage UN | 125 V |

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

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

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

Accessories

Accessories

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Accessories

Labeled terminal marker

Marker cards - SK 2,54/2,8:FORTL.ZAHLEN - 0804853



Marker cards, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - 99, Mounting type: Adhesive, For terminal block width: 2.54 mm, Lettering field: 2.54 x 2.8 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 0,4X2,0 - 1205202



Micro screwdriver, bladed, size: 0.4 x 2.0 x 60 mm, 2-component grip, with non-slip grip and twist cap

Terminal marking

Marker cards - SK U/2,8 WH:UNBEDRUCKT - 0803883

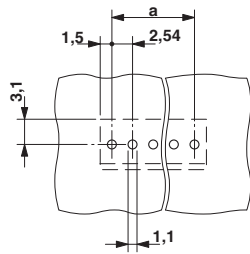


Marker cards, Sheet, white, Unlabeled, Can be labeled with: Plotter, Office printing systems, Mounting type: Adhesive, Lettering field: 186 x 2.8 mm

Drawings

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Drilling diagram



Dimensioned drawing

