

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

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: 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
-------------------	---------

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

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

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

### 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

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

### Approvals

CSA 	
	B
mm <sup>2</sup> /AWG/kcmil	28-20
Nominal current I <sub>N</sub>	6 A
Nominal voltage U <sub>N</sub>	125 V

UL Recognized 	
	B
mm <sup>2</sup> /AWG/kcmil	30-20
Nominal current I <sub>N</sub>	6 A
Nominal voltage U <sub>N</sub>	125 V

cUL Recognized 	
	B
mm <sup>2</sup> /AWG/kcmil	30-20
Nominal current I <sub>N</sub>	6 A
Nominal voltage U <sub>N</sub>	125 V

GOST 	
--	--

GOST 	
--	--

cULus Recognized 	
--	--

### Accessories

#### Accessories

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

### 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



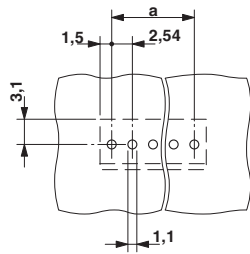
Marker cards, Sheet, white, unlabeled, can be labeled with: Plotter, Office printing systems, Mounting type: Adhesive, Lettering field: 186 x 2.8 mm

---

### Drawings

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

Drilling diagram



Dimensioned drawing

