

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

package_quantity	100
GTIN	4017918116330

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
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

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Technical data

General

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

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

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classifications

ETIM

ETIM 5.0	EC002643
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UNSPSC

UNSPSC 6.01	30211801
UNSPSC 7.0901	39121432
UNSPSC 11	39121432
UNSPSC 12.01	39121432
UNSPSC 13.2	39121432

approvals

CSA / UL Recognized / cUL Recognized / GOST / GOST / cULus Recognized /

Approval details

CSA 	
Usegroups	B
Nominal voltage UN	125 V
Nominal current IN	6 A
mm²/AWG/kcmil	28-20

UL Recognized 	
Usegroups	B
Nominal voltage UN	125 V
Nominal current IN	6 A
mm²/AWG/kcmil	30-20

cUL Recognized 	
Usegroups	B
Nominal voltage UN	125 V
Nominal current IN	6 A
mm²/AWG/kcmil	30-20

GOST 	
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approvals



cULus Recognized us

accessories

Screwdriver tools

SZS 0,4X2,0 - 1205202



Labeled terminal marker

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



Terminal marking

SK U/2,8 WH:UNBEDRUCKT - 0803883



Marker pen

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accessories

B-STIFT - 1051993



accessories

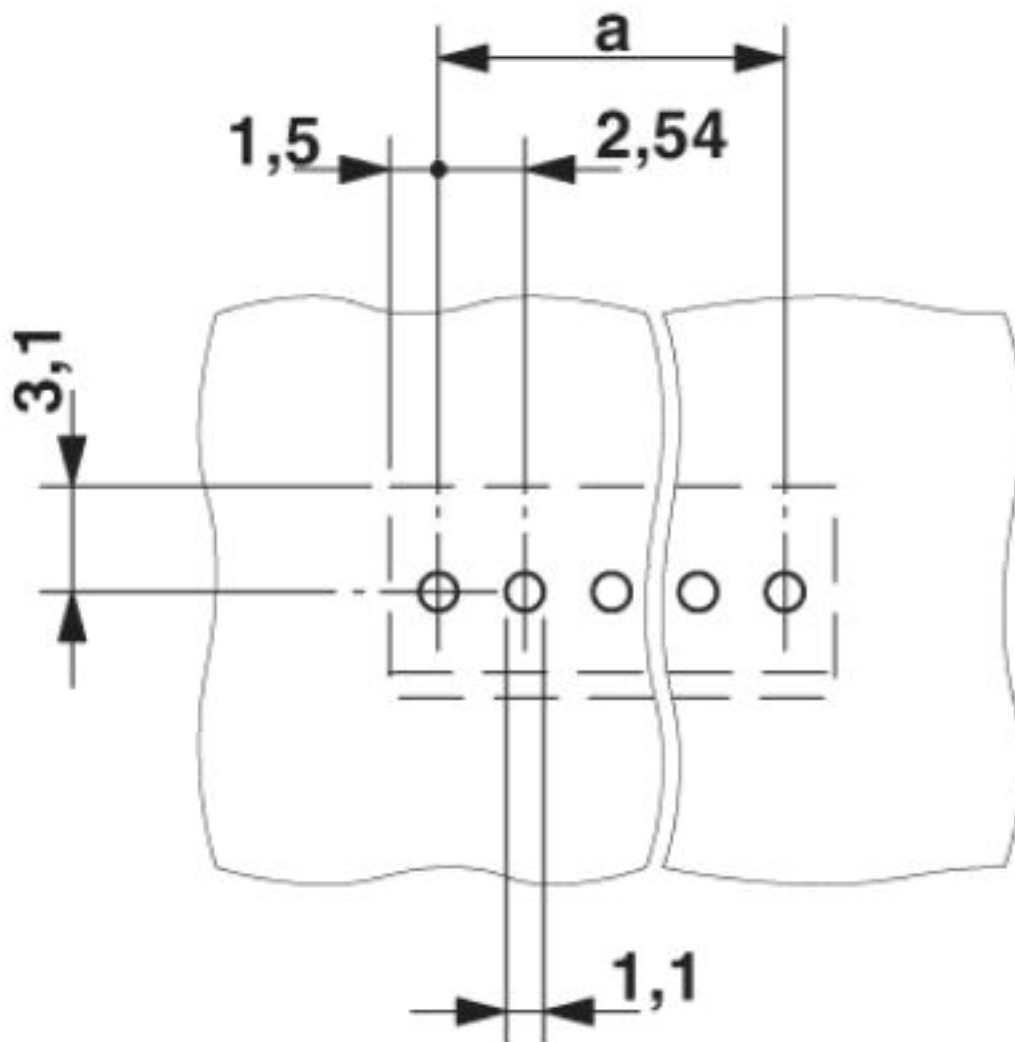
SK 2,54/2,8:SO - 0804879



Drawings

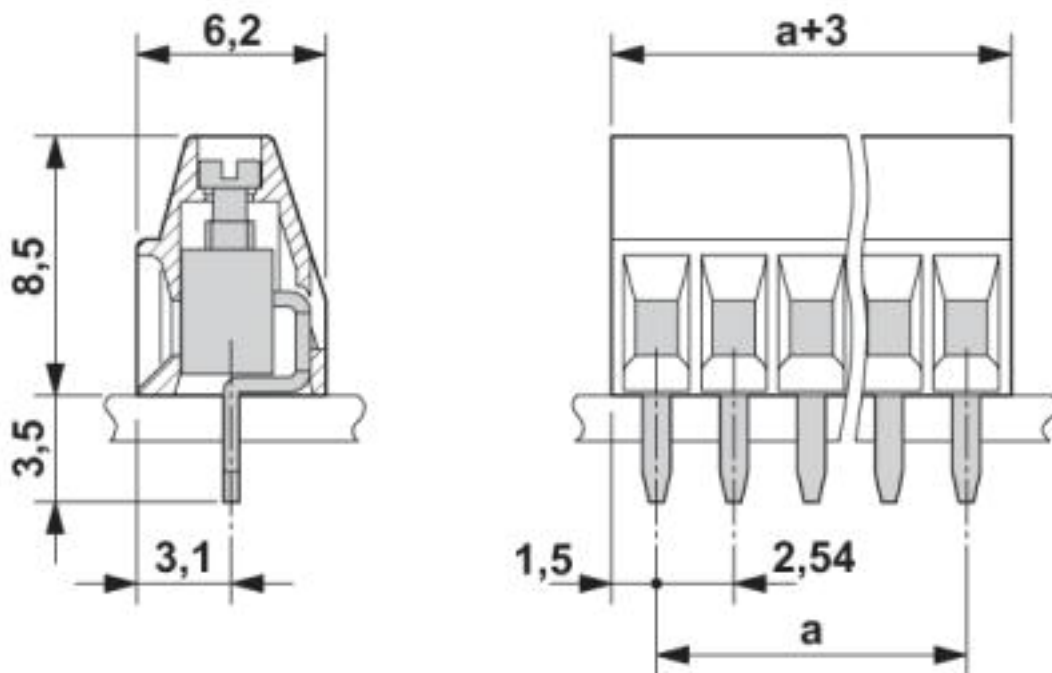
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Drilling diagram



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Dimensioned drawing



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