PCB terminal block - PTSM 0,5/ 3-2,5-V SMD R44 - 1771101

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PC terminal block, Nominal current: 6 A, Nom. voltage: 160 V, Pitch: 2.5 mm, Number of positions: 3, Connection method: Spring-cage conn., Mounting: SMD/THT/THR, Conductor/PCB connection direction: 90 °, Color: black

Product description

PC terminal block, Nominal current: 6 A, Nom. voltage: 160 V, Pitch: 2.5 mm, Number of positions: 3, Connection method: Spring-cage conn., Mounting: SMD/THT/THR, Conductor/PCB connection direction: 90 °, Color: black

Why buy this product

- Compact low-profile SMD PCB terminal block with 2.5 mm pitch
- High current carrying capacity for high power transmission
- Supplied in tape-on-reel packing according to IEC 60286-3 for automated mounting
- Rugged solder anchor for secure, mechanical fixing to the surface
- Specifically designed for use in dedicated SMT processes
- Spring-cage connection with direct plug-in technology with a release mechanism

Key commercial data

Packing unit	0
Minimum order quantity	400
Catalog page	Page 53 (CC-2011)
GTIN	4 046356 460132
Weight per Piece (excluding packing)	2.18 GRM
Country of origin	GERMANY

Technical data

Dimensions / positions

Length	5 mm
Pitch	2.5 mm
Dimension a	5 mm
Number of positions	3
Pin spacing	2.5 mm

Technical data

Range of articles	PTSM 0,5/..-V-SMD

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Technical data

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Insulating material group	IIIa
Rated surge voltage (III/3)	2.5 kV
Rated surge voltage (III/2)	2.5 kV
Rated surge voltage (II/2)	2.5 kV
Rated voltage (III/3)	32 V
Rated voltage (III/2)	160 V
Rated voltage (II/2)	160 V
Connection in acc. with standard	EN-VDE
Nominal current IN	6 A
Nominal cross section	0.5 mm²
Maximum load current	6 A
Insulating material	LCP
Inflammability class according to UL 94	V0
Stripping length	6 mm
Nominal voltage, UL/CUL Use Group B	150 V
Nominal current, UL/CUL Use Group B	5 A

Connection data

Conductor cross section solid min.	0.14 mm²
Conductor cross section solid max.	0.5 mm²
Conductor cross section stranded min.	0.2 mm²
Conductor cross section stranded max.	0.5 mm²
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm²
Conductor cross section stranded, with ferrule without plastic sleeve max.	0.5 mm²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	20
Minimum AWG according to UL/CUL	26
Maximum AWG according to UL/CUL	20

Classifications

eclass

eClass 4.0	27141109
eClass 4.1	27141109
eClass 5.0	27141190
eClass 5.1	27141190
eClass 6.0	27261101

etim

ETIM 3.0	EC001121
ETIM 4.0	EC002643

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Classifications

unspsc

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

Approvals

Certificates

Certification

UL Recognized / cUL Recognized / GOST / cULus Recognized

Certification EX

Certification submitted

Approval details

UL Recognized		
		B
mm²/AWG/kcmil	26-20	
Nominal current IN	6 A	
Nominal voltage UN	150 V	

cUL Recognized		
		B
mm²/AWG/kcmil	26-20	
Nominal current IN	6 A	
Nominal voltage UN	150 V	

GOST

cULus Recognized

Accessories

Accessories

Tools

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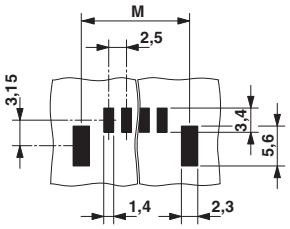
Accessories

Screwdriver - SZS 0,4X2,0 - 1205202

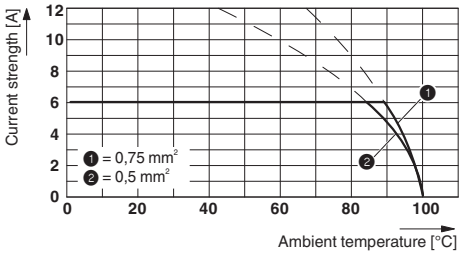
Micro screwdriver, bladed, size: 0.4 x 2.0 x 60 mm, 2-component grip, with non-slip grip and twist cap

Drawings

Drilling diagram

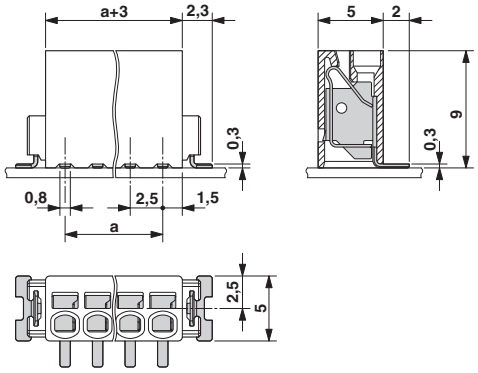


Diagram



Dimension M: 10.9 mm

Dimensioned drawing



Dimensioned drawing