

PCB terminal block - PTSM 0,5/ 6-2,5-V SMD R44 - 1771130

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

Product Features

- ✓ 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
- ✓ Spring-cage connection with direct plug-in technology with a release mechanism
- ✓ Specifically designed for use in dedicated SMT processes

Key commercial data

Packing unit	1 PCE
Minimum order quantity	400 PCE
GTIN	 4 046356 460163
Custom tariff number	85369010
Country of origin	GERMANY

Technical data

Dimensions

Length	5 mm
Pitch	2.5 mm
Dimension a	12.5 mm
Pin spacing	2.5 mm

General

Range of articles	PTSM 0,5/..-V-SMD
Insulating material group	IIIa
Rated surge voltage (III/3)	2.5 kV

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Technical data

General

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 I_N	6 A
Nominal cross section	0.5 mm ²
Maximum load current	6 A
Insulating material	LCP
Oberfläche Lötpin	Sn
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
Number of positions	6

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.	0.2 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.	0.5 mm ²
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

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002643
ETIM 5.0	EC002637

UNSPSC

UNSPSC 11	39121432
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Classifications

UNSPSC

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

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