PCB terminal block - PTSM 0,5/ 4-2,5-V SMD R44 - 1771114

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PCB terminal block, Nominal current: 6 A, Nom. voltage: 160 V, Pitch: 2.5 mm, Number of positions: 4, 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
- Specifically designed for use in dedicated SMT processes
- Spring-cage connection with direct plug-in technology with a release mechanism

Key commercial data

package_quantity	400
GTIN	4046356460149

Technical data

Dimensions

Length	5 mm
Pitch	2.5 mm
Dimension a	7.5 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
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 mm²
Maximum load current	6 A

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Technical data

General

Insulating material	LCP
Solder pin surface	Sn
Inflammability class according to UL 94	V0
Stripping length	6 mm
Number of positions	4

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

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	EC002637

UNSPSC

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

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approvals

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

Approval details

UL Recognized

Usegroups	B
Nominal voltage UN	150 V
Nominal current IN	5 A
mm²/AWG/kcmil	26-20

cUL Recognized

Usegroups	B
Nominal voltage UN	150 V
Nominal current IN	5 A
mm²/AWG/kcmil	26-20

GOST

Usegroups	B
Nominal voltage UN	150 V
Nominal current IN	5 A
mm²/AWG/kcmil	26-20

cULus Recognized

accessories

Screwdriver tools

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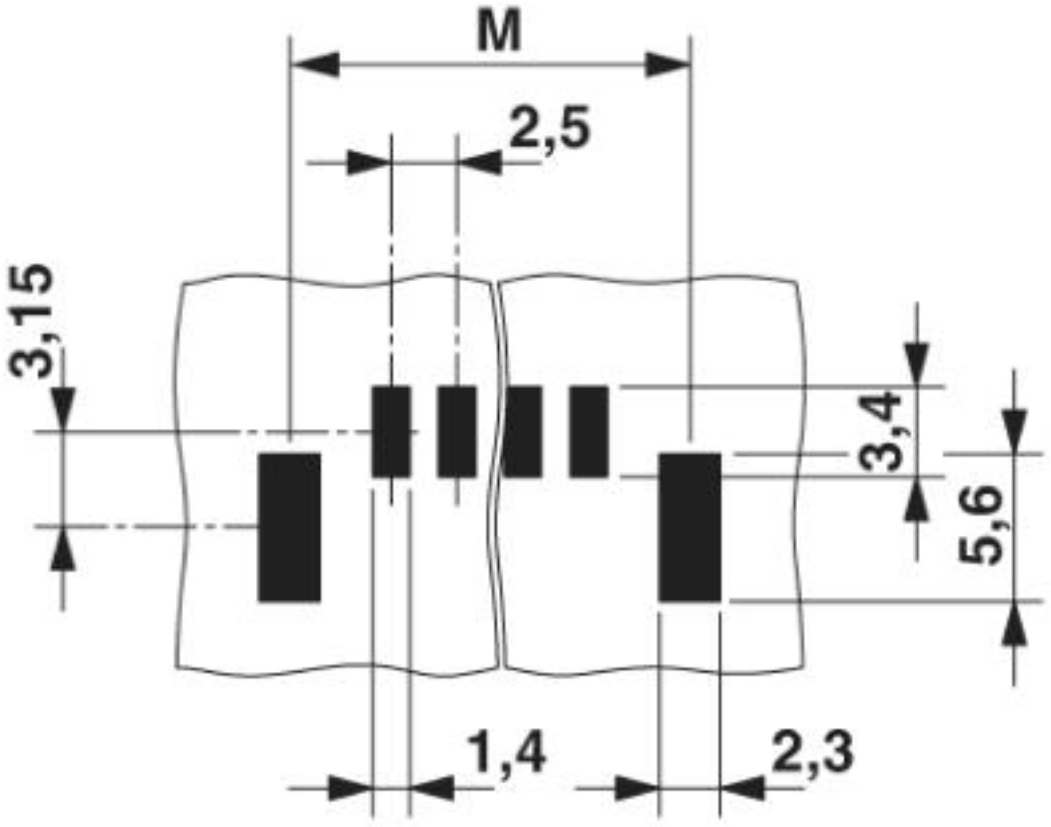
accessories

SZS 0,4X2,0 - 1205202



Drawings

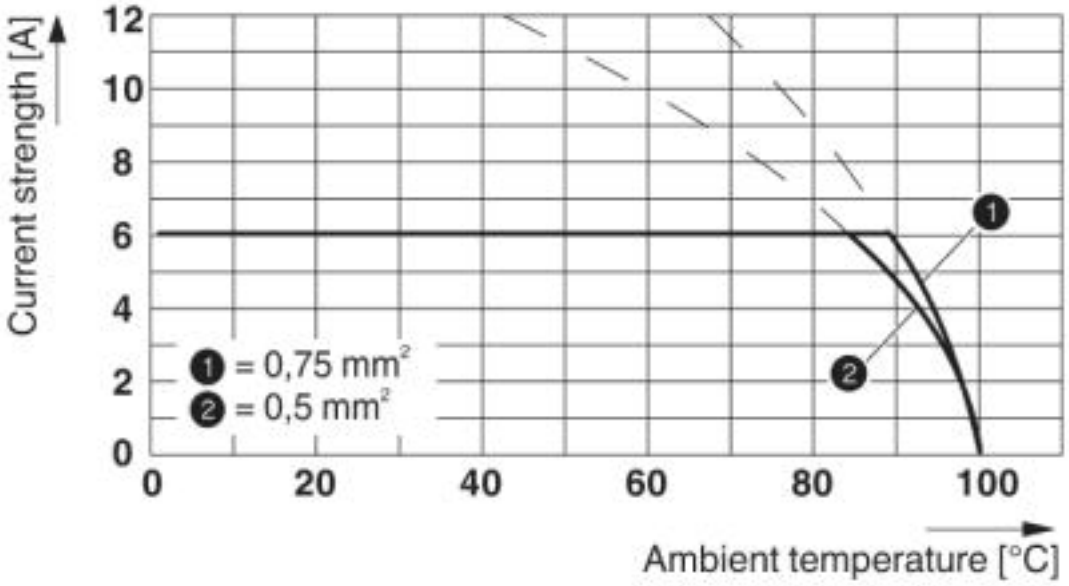
Drilling diagram



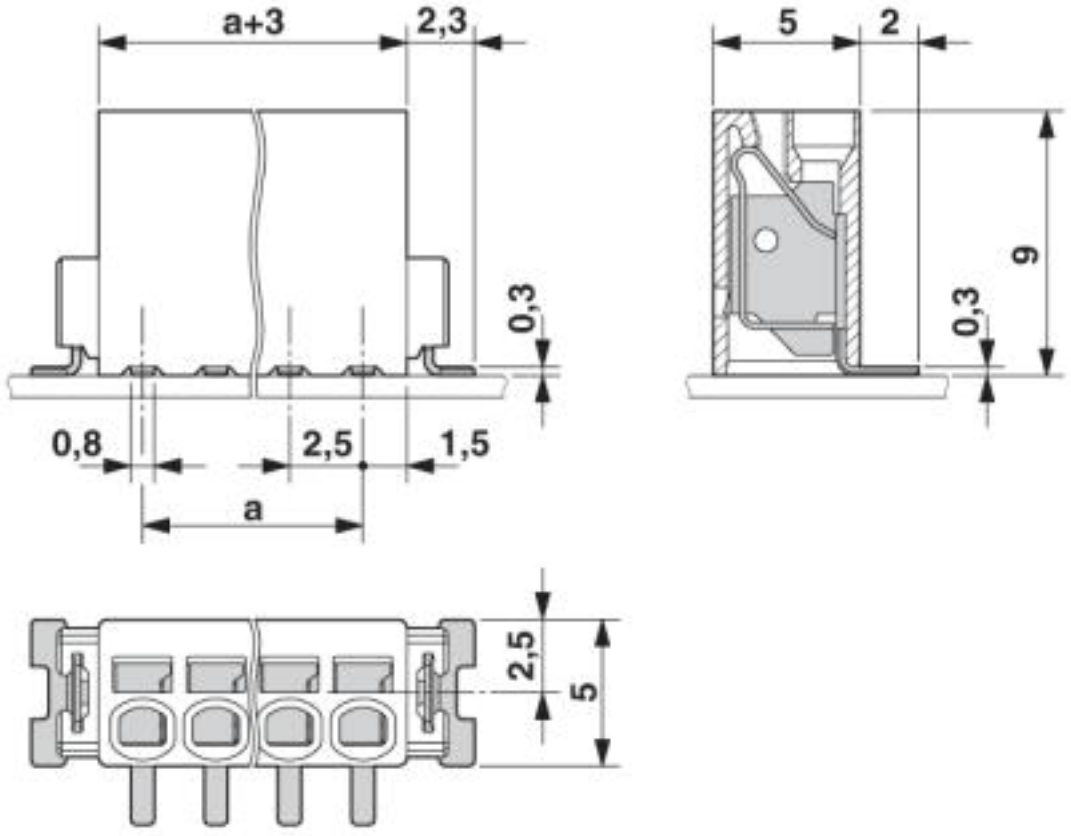
Dimension M: 13.4 mm

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Diagram

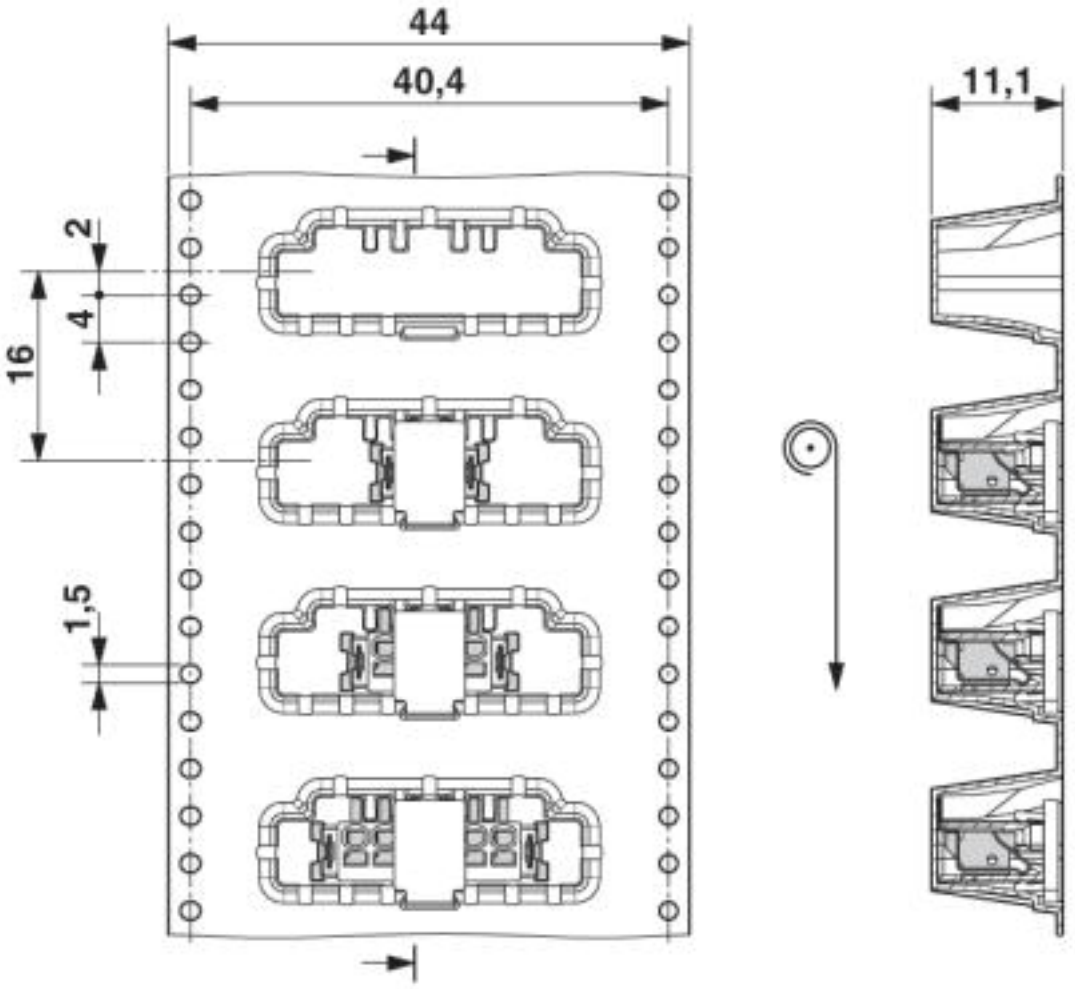


Dimensioned drawing



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Dimensioned drawing



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