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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: Push-in spring connection, mounting: THR soldering, conductor/PCB connection direction: 0 °, color: black

The figure shows the 3-pos. version

Your advantages

- Time saving push-in connection, tools not required
- ☑ Defined contact force ensures that contact remains stable over the long term
- High current carrying capacity of 6 A in very compact dimensions
- Designed for integration into the SMT soldering process

















Key Commercial Data

Packing unit	1 pc
Minimum order quantity	5 pc
Custom tariff number	85369010
Country of origin	Germany

Technical data

Dimensions

Length [1]	10 mm
Pitch	2.5 mm
Dimension a	7.5 mm
Width [w]	10.5 mm
Height	5 mm
Height [h]	7.1 mm
Solder pin [P]	2.1 mm
Pin spacing	2.5 mm
Hole diameter	1.2 mm

General

Range of articles	PTSM 0,5/H-THR
Insulating material group	Illa



Technical data

General

	T
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)	63 V
Rated voltage (III/2)	160 V
Rated voltage (II/2)	200 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
Insulating material	LCP
Flammability rating 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 flexible min.	0.2 mm ²
Conductor cross section flexible max.	0.5 mm²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	0.5 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	0.34 mm²
Conductor cross section AWG min.	26
Conductor cross section AWG max.	20

Standards and Regulations

Connection in acc. with standard	EN-VDE
Flammability rating according to UL 94	V0

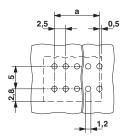
Environmental Product Compliance

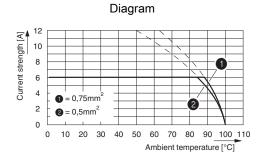
China RoHS	Environmentally friendly use period: unlimited = EFUP-e	
	No hazardous substances above threshold values	

Drawings

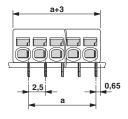


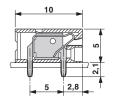
Drilling diagram





Dimensional drawing





Classifications

eCl@ss

eCl@ss 4.0	27141111
eCl@ss 4.1	27141109
eCl@ss 5.0	27141190
eCl@ss 5.1	27261100
eCl@ss 6.0	27261100
eCl@ss 7.0	27440401
eCl@ss 8.0	27440401
eCl@ss 9.0	27440401

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002643
ETIM 5.0	EC002643
ETIM 6.0	EC002643

UNSPSC

UNSPSC 6.01	30211801
UNSPSC 7.0901	39121432
UNSPSC 11	34131203
UNSPSC 12.01	39121432
UNSPSC 13.2	39121432



Approvals				
Approvals				
Approvals				
EAC				
Ex Approvals				
Approval details				
EAC	ERC			B.01742
Accessories				
Accessories				
Screwdriver tools				
Screwdriver - SZS 0,4X2	2,0 - 1205202			
	Micro screwdriver, bladed, size:	0.4 x 2.0 x 60 mm, 2-compone	ent grip, with non-slip grip ar	nd twist cap
Additional products				

PCB terminal block - PTSM 0,5/ 4-2,5-H THR R32 - 1770908



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