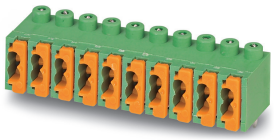
PCB terminal block - FK-MPT 0,5/ 9-3,5-H - 1928835

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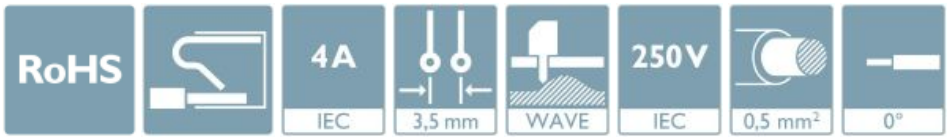


The figure shows a 10-position version of the product

PCB terminal block, nominal current: 4 A, rated voltage (III/2): 250 V, nominal cross section: 0.5 mm², Number of potentials: 9, Number of rows: 1, Number of positions per row: 9, product range: FK-MPT 0,5/..-H, pitch: 3.5 mm, connection method: Push-in spring connection, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: green, Pin layout: Linear pinning, Solder pin [P]: 4 mm, type of packaging: packed in cardboard

Your advantages

- Time saving push-in connection, tools not required
- Defined contact force ensures that contact remains stable over the long term
- Intuitive use through colour coded actuation lever
- Potentials can be easily looped through – ideal for BUS applications
- Small component size for applications where space is at a premium



Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
GTIN	4 017918 591281
GTIN	4017918591281
Weight per Piece (excluding packing)	4.000 g
Custom tariff number	85369010
Country of origin	India

Technical data

Item properties

Brief article description	PCB terminal block
Range of articles	FK-MPT 0,5/..-H

PCB terminal block - FK-MPT 0,5/ 9-3,5-H - 1928835

Technical data

Item properties

Pitch	3.5 mm
Number of positions	9
Mounting type	Wave soldering
Pin layout	Linear pinning
Number of levels	1
Number of connections	18
Number of potentials	9

Electrical parameters

Nominal current	4 A
Nom. voltage	250 V
Rated voltage (III/3)	160 V
Rated voltage (III/2)	250 V
Rated voltage (II/2)	250 V
Rated surge voltage (III/3)	2.5 kV
Rated surge voltage (III/2)	2.5 kV
Rated surge voltage (II/2)	2.5 kV

Connection capacity

Connection method	Push-in spring connection
pluggable	no
Conductor cross section solid	0.12 mm² ... 0.5 mm²
Conductor cross section AWG / kcmil	26 ... 20
Stripping length	6.5 mm

Material data - contact

Note	WEEE/RoHS-compliant, free of whiskers according to IEC 60068-2-82/ JEDEC JESD 201
Contact material	Steel/copper
Surface characteristics	Tin-plated
Metal surface terminal point (top layer)	Tin (5 - 7 µm Sn)
Metal surface terminal point (middle layer)	Copper (2 - 3 µm Cu)
Metal surface soldering area (top layer)	Tin (5 - 7 µm Sn)
Metal surface soldering area (middle layer)	Copper (2 - 3 µm Cu)

Material data - housing

Housing color	green (6021)
Insulating material	PBT
Insulating material group	IIIa
CTI according to IEC 60112	225

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Technical data

Material data - housing

Flammability rating according to UL 94	V0

Dimensions for the product

Caption	Schematische Abbildung - weitere Details siehe Produktfamilienzeichnung im Download Center
Length [l]	9.5 mm
Width [w]	32 mm
Height [h]	12.5 mm
Pitch	3.5 mm
Height (without solder pin)	8.5 mm
Solder pin [P]	4 mm
Pin spacing	3.5 mm
Pin dimensions	1 mm

Dimensions for PCB design

Hole diameter	1.2 mm
Pin spacing	3.5 mm

Packaging information

Type of packaging	packed in cardboard
Pieces per package	50
Denomination packing units	Pcs.

Electrical tests

Rated current	4 A
Rated voltage (III/2)	250 V
Rated surge voltage (III/2)	2.5 kV

Air clearances and creepage distances

Standards and Regulations

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

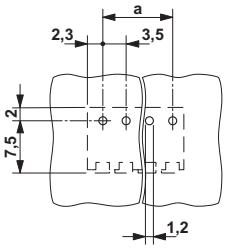
Environmental Product Compliance

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

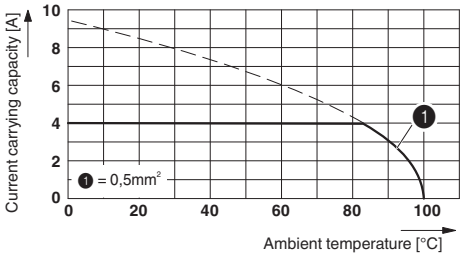
Drawings

PCB terminal block - FK-MPT 0,5/ 9-3,5-H - 1928835

Drilling diagram

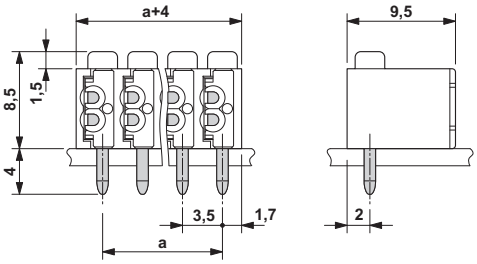


Diagram



Derating diagram for 5 positions; reduction factor=0.8

Dimensional drawing



Classifications

eCl@ss

eCl@ss 10.0.1	27440401
eCl@ss 11.0	27460101
eCl@ss 4.0	27260700
eCl@ss 4.1	27141100
eCl@ss 5.0	27141100
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
ETIM 7.0	EC002643

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Classifications

UNSPSC

UNSPSC 6.01	30211801
UNSPSC 7.0901	39121432
UNSPSC 11	34131203
UNSPSC 12.01	39121432
UNSPSC 13.2	39121432
UNSPSC 18.0	39121432
UNSPSC 19.0	39121432
UNSPSC 20.0	39121432
UNSPSC 21.0	39121432

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / SEV / EAC / IECEE CB Scheme / cULus Recognized

Ex Approvals

Approval details

UL Recognized http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 60425

	B	D
Nominal voltage UN	300 V	300 V
Nominal current IN	4 A	4 A
mm²/AWG/kcmil	28-20	28-20

cUL Recognized http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 60425

	B	D
Nominal voltage UN	300 V	300 V
Nominal current IN	4 A	4 A
mm²/AWG/kcmil	28-20	28-20

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Approvals

SEV		https://www.eurofins.ch/de/	IK-4496

Nominal voltage UN	250 V
Nominal current IN	4 A
mm²/AWG/kcmil	0.12-.5

EAC		B.01687

IECEE CB Scheme		http://www.iecee.org/	CH-10786

Nominal voltage UN	250 V
Nominal current IN	4 A
mm²/AWG/kcmil	0.12-.5

cULus Recognized	

Accessories

Accessories

Screwdriver tools

Screwdriver - SZF 0-0,4X2,5 - 1204504



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.4 x 2.5 x 75 mm, 2-component grip, with non-slip grip

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