

# PCB terminal block - FK-MPT 0,5/10-3,5-H - 1928848

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PCB terminal block, nominal current: 4 A, rated voltage (III/2): 250 V, nominal cross section: 0.5 mm<sup>2</sup>, pitch: 3.5 mm, number of positions: 10, 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



The figure shows a 10-position version of the product

## 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	50 pc
GTIN	
GTIN	4017918591298

## Technical data

### Item properties

Brief article description	PCB terminal block
Range of articles	FK-MPT 0,5/..-H
Pitch	3.5 mm
Number of positions	10
Connection method	Push-in spring connection
Mounting type	Wave soldering
Pin layout	Linear pinning
Number of levels	1
Number of connections	20
Number of potentials	10

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## Technical data

### Electrical parameters

Nominal current	4 A
Nom. voltage	250 V
Rated voltage	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 mm <sup>2</sup> ... 0.5 mm <sup>2</sup>
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
Flammability rating according to UL 94	V0

### Dimensions for the product

Length [ l ]	9.5 mm
Width [ w ]	35.5 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

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### Technical data

#### 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

#### Standards and Regulations

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

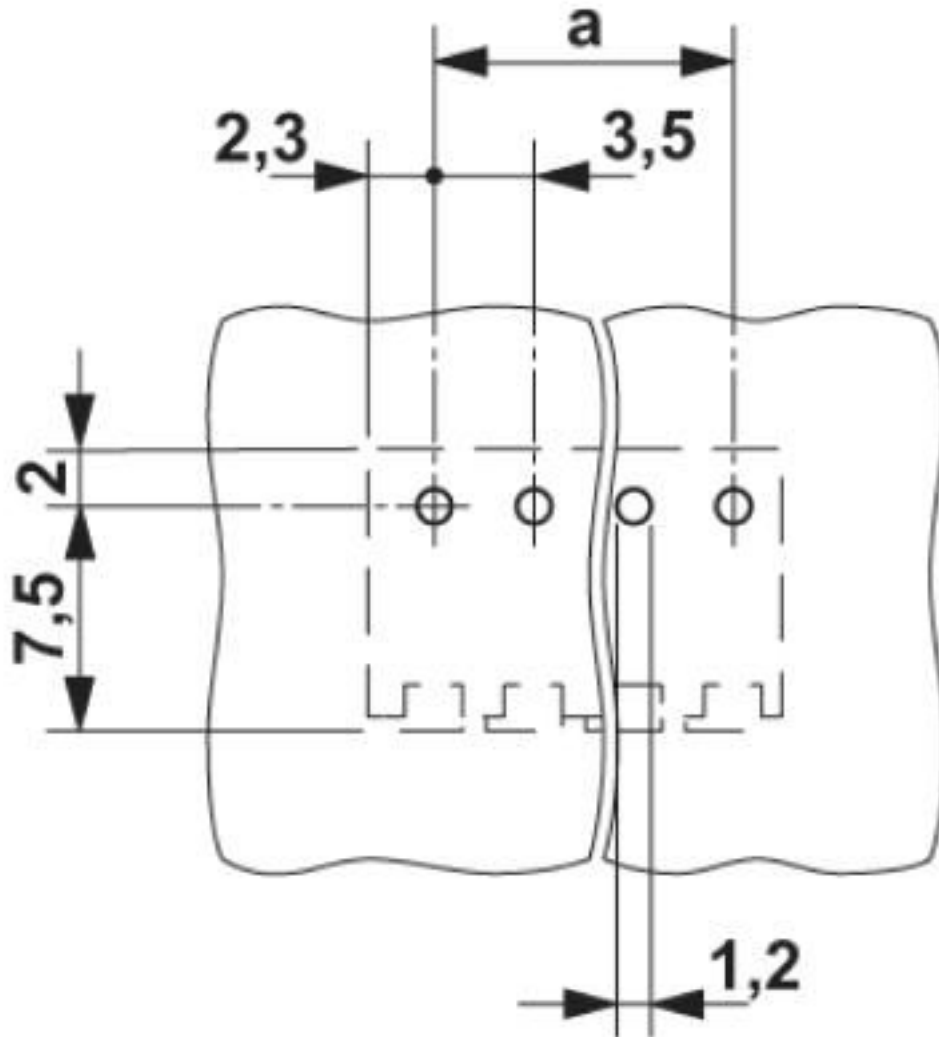
#### Environmental Product Compliance

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

### Drawings

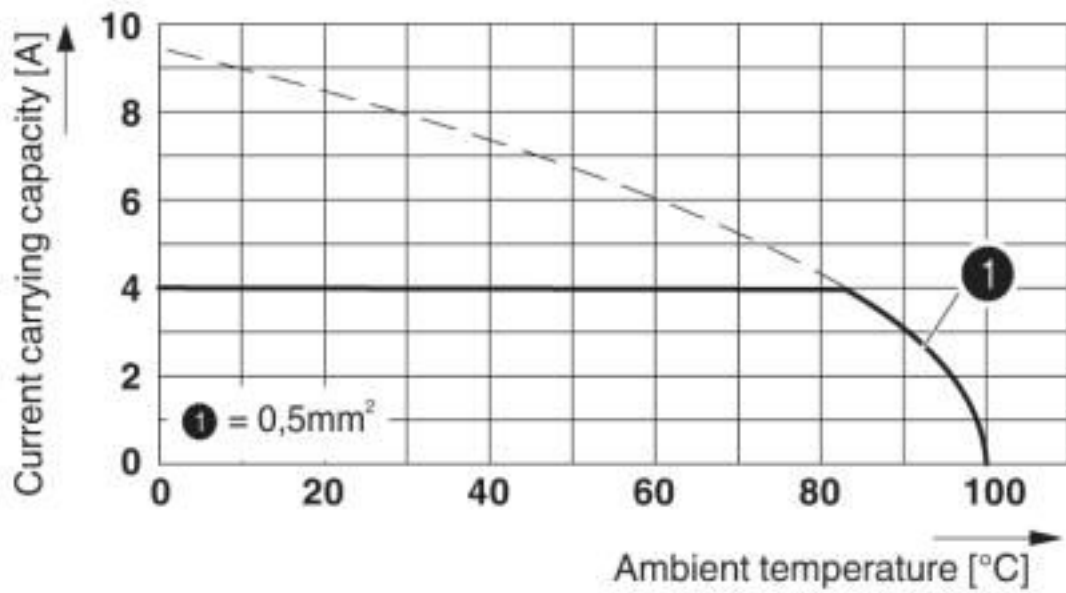
# PCB terminal block - FK-MPT 0,5/10-3,5-H - 1928848

Drilling diagram



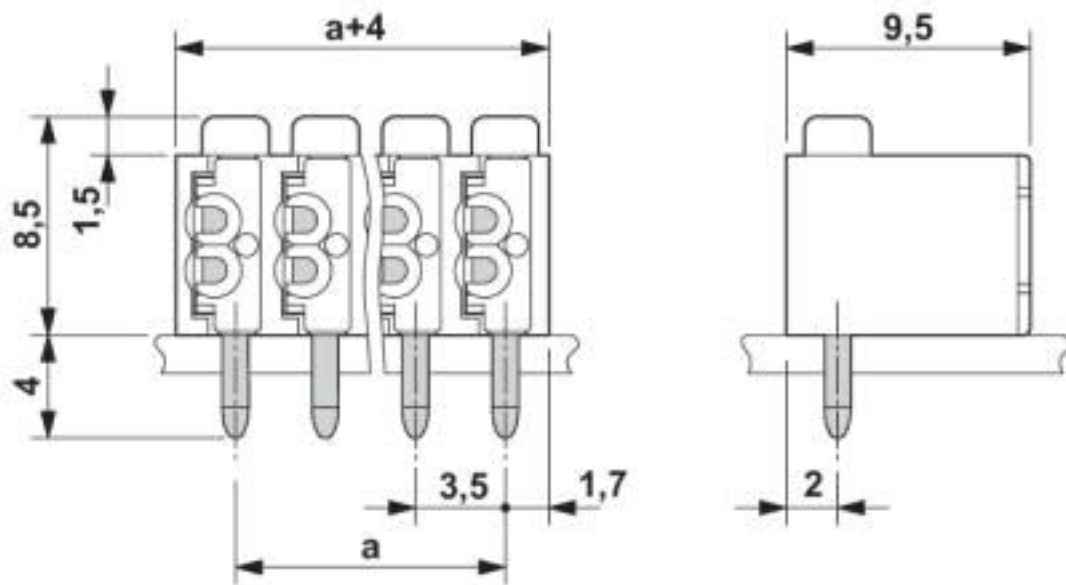
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Diagram



Derating diagram for 5 positions; reduction factor=0.8

Dimensional drawing



## Classifications

eCl@ss

eCl@ss 10.0.1	27440401
eCl@ss 4.0	27260700
eCl@ss 4.1	27141100

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## Classifications

### eCl@ss

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

### 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

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#### Approvals

UL Recognized / cUL Recognized / SEV / EAC / IECCEB Scheme / cULus Recognized

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#### Ex Approvals

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### Approval details

# PCB terminal block - FK-MPT 0,5/10-3,5-H - 1928848

## Approvals

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 60425
	B	D	
Nominal voltage UN	300 V	300 V	
Nominal current IN	4 A	4 A	
mm <sup>2</sup> /AWG/kcmil	28-20	28-20	

cUL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 60425
	B	D	
Nominal voltage UN	300 V	300 V	
Nominal current IN	4 A	4 A	
mm <sup>2</sup> /AWG/kcmil	28-20	28-20	

SEV		<a href="https://www.eurofins.ch/de/">https://www.eurofins.ch/de/</a>	IK-4496
Nominal voltage UN	250 V		
Nominal current IN	4 A		
mm <sup>2</sup> /AWG/kcmil	0.12-.5		

EAC		B.01687
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IECEE CB Scheme		<a href="http://www.iecee.org/">http://www.iecee.org/</a>	CH-10786
Nominal voltage UN	250 V		
Nominal current IN	4 A		
mm <sup>2</sup> /AWG/kcmil	0.12-.5		

cULus Recognized	
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## PCB terminal block - FK-MPT 0,5/10-3,5-H - 1928848

### 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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