

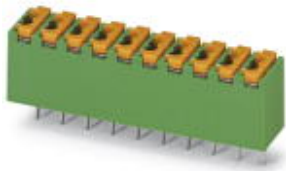
https://www.phoenixcontact.com/cn/products/1891069



## PCB terminal block - FK-MPT 0,5/ 2-3,5 - 1891069

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PCB terminal block, Nominal current: 4 A, Nom. voltage: 250 V, Pitch: 3.5 mm, Number of positions: 2, Connection method: Push-in spring connection, Mounting: Wave soldering, Conductor/PCB connection direction: 90 °, Color: green




The figure shows a 10-position version of the product

### Why buy this product

- 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
- Vertical connection enables multi-row arrangement on the PCB



### Key Commercial Data

Packing unit	50 STK
Minimum order quantity	50 STK
GTIN	 4 017918 169589
GTIN	4017918169589
Custom tariff number	8536901900
Sales Key	AACCAA

### Technical data

#### Dimensions

Length	7 mm
Pitch	3.5 mm
Dimension a	3.5 mm
Width	7.5 mm
Constructional height	9.5 mm
Height	13 mm

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### Technical data

#### Dimensions

Length of the solder pin	3.5 mm
Pin dimensions	0,35 x 0,9
Hole diameter	1 mm

#### General

Range of articles	FK-MPT 0,5/..-V
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)	160 V
Rated voltage (III/2)	250 V
Rated voltage (II/2)	250 V
Connection in acc. with standard	EN-VDE
Nominal current $I_N$	4 A
Nominal cross section	0.5 mm <sup>2</sup>
Maximum load current	4 A (with 0.5 mm <sup>2</sup> conductor cross section)
Insulating material	PBT
Solder pin surface	Sn
Flammability rating according to UL 94	V0
Stripping length	6.5 mm
Number of positions	2

#### Connection data

Conductor cross section solid min.	0.12 mm <sup>2</sup>
Conductor cross section solid max.	0.5 mm <sup>2</sup>
Conductor cross section AWG min.	26
Conductor cross section AWG max.	20

#### Standards and Regulations

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

#### Environmental Product Compliance

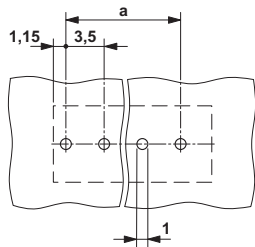
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

### Drawings

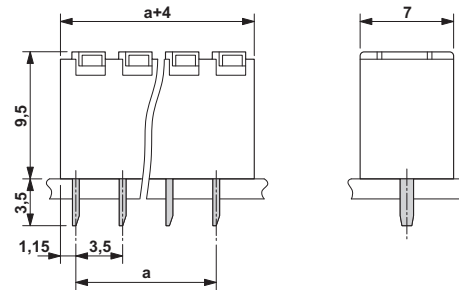


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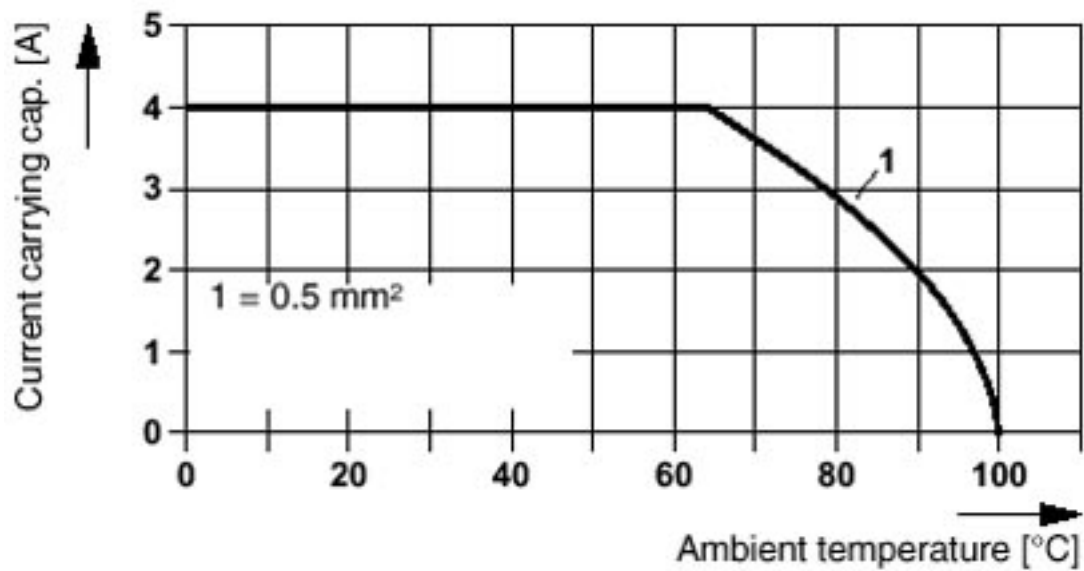
Drilling diagram



Dimensional drawing



Diagram



## Approvals

Approvals

Approvals

UL Recognized / SEV / cUL Recognized / CCA / EAC / cULus Recognized

Ex Approvals


## Approval details


<https://www.phoenixcontact.com/cn/products/1891069>




# PCB terminal block - FK-MPT 0,5/ 2-3,5 - 1891069


## 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	
mm <sup>2</sup> /AWG/kcmil	28-20	28-20	
Nominal current IN	4 A	4 A	
Nominal voltage UN	300 V	300 V	

SEV		<a href="https://www.electrosuisse.ch/en/meta/shop/product-certificates.html">https://www.electrosuisse.ch/en/meta/shop/product-certificates.html</a>	IK-3558
mm <sup>2</sup> /AWG/kcmil	0.5		
Nominal current IN	3 A		
Nominal voltage UN	160 V		

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	
mm <sup>2</sup> /AWG/kcmil	28-20	28-20	
Nominal current IN	4 A	4 A	
Nominal voltage UN	300 V	300 V	

CCA	IK-2681		
mm <sup>2</sup> /AWG/kcmil	0.5		
Nominal current IN	3 A		
Nominal voltage UN	160 V		

EAC		B.01742
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cULus 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>
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