

Printed-circuit board connector - FK-MC 0,5/10-ST-2,5 - 1881406

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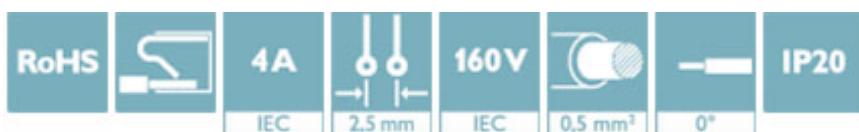
Plug component, Nominal current: 4 A, Rated voltage (III/2): 160 V, Number of positions: 10, Pitch: 2.5 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin



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
- ✓ Operation and conductor connection from one direction enable integration into front of device
- ✓ Quick and convenient testing using integrated test option



Key Commercial Data

Packing unit	50 STK
Minimum order quantity	50 STK
GTIN	 4 017918 156657
GTIN	4017918156657
Weight per Piece (excluding packing)	6.150 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Length	19.05 mm
Height	11.75 mm
Width	25.60 mm
Pitch	2.5 mm
Dimension a	22.50 mm

General

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Technical data

General

Range of articles	FK-MC 0,5/...-ST
Insulating material group	I
Rated surge voltage (III/3)	1.5 kV
Rated surge voltage (III/2)	2.5 kV
Rated surge voltage (II/2)	2.5 kV
Rated voltage (III/2)	160 V
Rated voltage (II/2)	320 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	4 A
Nominal voltage U_N	100 V 100 V
Nominal cross section	0.5 mm ²
Insulating material	PA
Flammability rating according to UL 94	V0
Stripping length	8 mm
Number of positions	10

Connection data

Conductor cross section solid min.	0.14 mm ²
Conductor cross section solid max.	0.5 mm ²
Conductor cross section flexible min.	0.14 mm ²
Conductor cross section flexible max.	0.5 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	0.5 mm ²
Conductor cross section AWG min.	26
Conductor cross section AWG max.	20
Minimum AWG according to UL/CUL	28
Maximum AWG according to UL/CUL	20

Standards and Regulations

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

Ambient conditions

Ambient temperature (storage/transport)	-40 °C ... 70 °C
Ambient temperature (assembly)	-5 °C ... 100 °C
Ambient temperature (operation)	-40 °C (dependent on the derating curve)

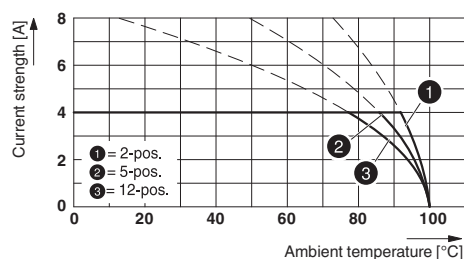
Environmental Product Compliance

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

Drawings

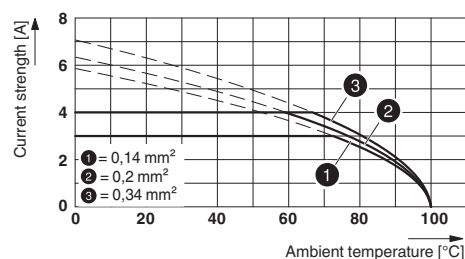
Printed-circuit board connector - FK-MC 0,5/10-ST-2,5 - 1881406

Diagram



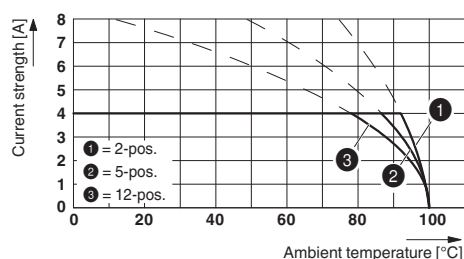
Type: FK-MC 0,5/10-ST-2,5 with MC 0,5/10-ST-2,5

Diagram



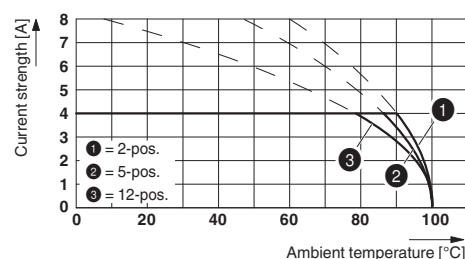
Type: FK-MC 0,5/10-ST-2,5 with MC 0,5/10-ST-2,5

Diagram



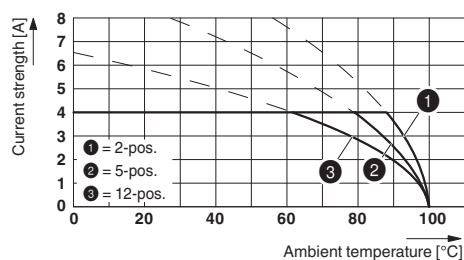
Type: FK-MC 0,5/10-ST-2,5 with MCV 0,5/10-ST-2,5 THT

Diagram



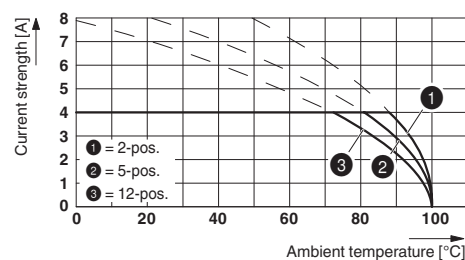
Type: FK-MC 0,5/10-ST-2,5 with MCV 0,5/10-ST-2,5 THT

Diagram



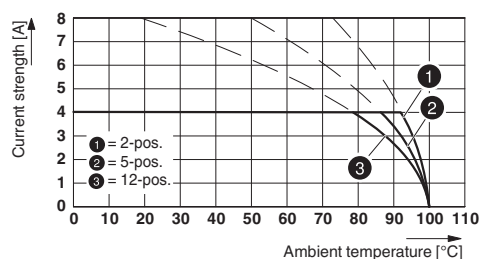
Type: FK-MC 0,5/10-ST-2,5 with MCD 0,5/10-ST-2,5

Diagram



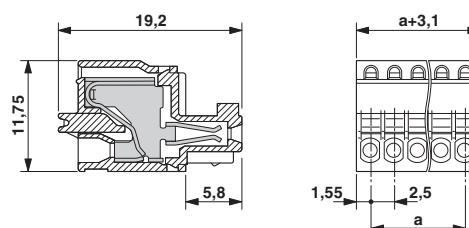
Type: FK-MC 0,5/10-ST-2,5 with MCD 0,5/10-ST-2,5

Diagram



Type: FK-MC 0,5/10-ST-2,5 with MCV 0,5/10-ST-2,5

Dimensional drawing



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Approvals

Approvals

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UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / IECCEB Scheme / CCA / EAC / cULus Recognized

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
		B	
mm ² /AWG/kcmil		28-20	
Nominal current I _N		4 A	
Nominal voltage U _N		125 V	

VDE Gutachten mit Fertigungsüberwachung		http://www.vde.com/en/Institute/OnlineService/ VDE-approved-products/Pages/Online-Search.aspx	40013394
mm ² /AWG/kcmil		0.2-0.5	
Nominal current I _N		4 A	
Nominal voltage U _N		100 V	

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
		B	
mm ² /AWG/kcmil		28-20	
Nominal current I _N		4 A	
Nominal voltage U _N		125 V	

IECEE CB Scheme		http://www.iecee.org/	DE1-56068-B1B2
mm ² /AWG/kcmil		0.2-0.5	
Nominal current I _N		4 A	
Nominal voltage U _N		100 V	

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Approvals

CCA		CCA/ DE1 34250
mm²/AWG/kcmil	0.2-0.5	
Nominal current I _N	4 A	
Nominal voltage U _N	100 V	

EAC		B.01742
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cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm
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