

Printed-circuit board connector - FK-MC 0,5/ 7-ST-2,5 - 1881370

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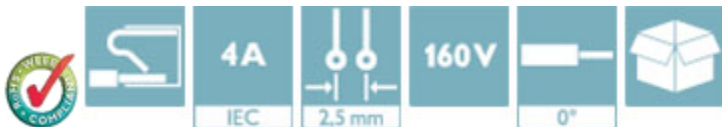
Plug component, Nominal current: 4 A, Rated voltage (III/2): 160 V, Number of positions: 7, Pitch: 2.5 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin



The figure shows a 10-position version of the product

Product Features

- Possible combinations with MC 0,5 and MCD 0,5 base strips with 2.5 mm pitch
- User-friendly actuation of the terminal point using a screwdriver
- Fast conductor connection thanks to Push-in spring-cage connection
- Individual position coding by removing the coding tab and connecting the coding profile to the header
- Test connection for accommodating 1 mm Ø test plug



Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
Weight per Piece (excluding packing)	4.55 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Length	19.05 mm
Height	11.75 mm
Width	18.1 mm
Pitch	2.50 mm
Dimension a	15 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/3)	100 V
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 cross section	0.5 mm ²
Maximum load current	4 A (with 0.5 mm ² conductor cross section)
Insulating material	PA
Flammability rating according to UL 94	V0
Stripping length	8 mm
Number of positions	7
Note	CR-MSTB may only be used after reflow soldering. CR-MSTB NAT HT may also be used prior to reflow soldering.

Connection data

Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	0.5 mm ²
Conductor cross section flexible min.	0.2 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

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Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27260701
eCl@ss 6.0	27260704
eCl@ss 7.0	27440402
eCl@ss 8.0	27440309

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002638
ETIM 5.0	EC002638

UNSPSC

UNSPSC 6.01	30211810
UNSPSC 7.0901	39121409
UNSPSC 11	39121409
UNSPSC 12.01	39121409
UNSPSC 13.2	39121409

Approvals

Approvals

Approvals

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

Ex Approvals

Approvals submitted

Approval details

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Approvals

UL Recognized 	
	B
mm²/AWG/kcmil	28-20
Nominal current I _N	4 A
Nominal voltage U _N	125 V

VDE Gutachten mit Fertigungsüberwachung 	
mm²/AWG/kcmil	0.2-0.5
Nominal current I _N	4 A
Nominal voltage U _N	100 V

cUL Recognized 	
	B
mm²/AWG/kcmil	28-20
Nominal current I _N	4 A
Nominal voltage U _N	125 V

IECEE CB Scheme 	
mm²/AWG/kcmil	0.2-0.5
Nominal current I _N	4 A
Nominal voltage U _N	100 V

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

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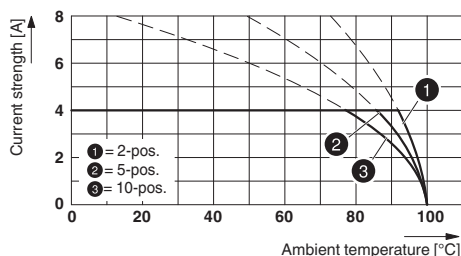
Approvals

EAC

cULus Recognized 

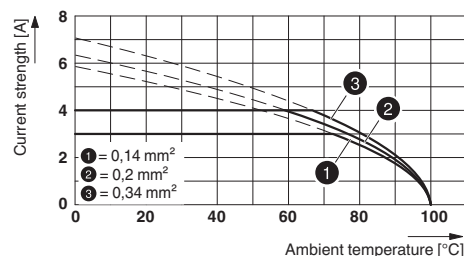
Drawings

Diagram



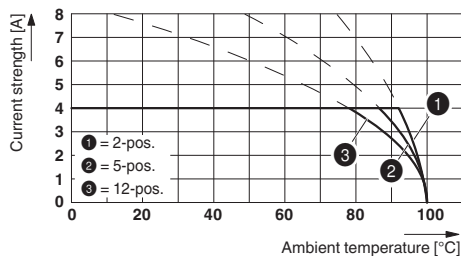
Type: FK-MC 0,5/...-ST-2,5 with MC 0,5/...-G-2,5

Diagram



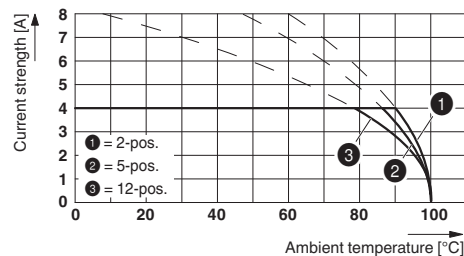
Type: FK-MC 0,5/...-ST-2,5 with MC 0,5/...-G-2,5

Diagram



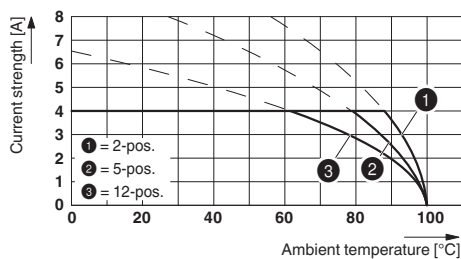
Type: FK-MC 0,5/...-ST-2,5 with MCV 0,5/...-G-2,5 THT

Diagram



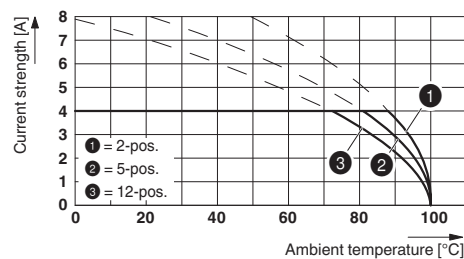
Type: FK-MC 0,5/...-ST-2,5 with MC 0,5/...-G-2,5 THT

Diagram



Type: FK-MC 0,5/...-ST-2,5 with MCD 0,5/...-G1-2,5

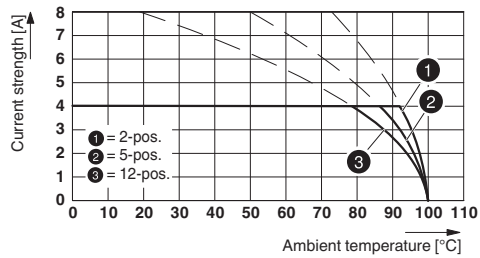
Diagram



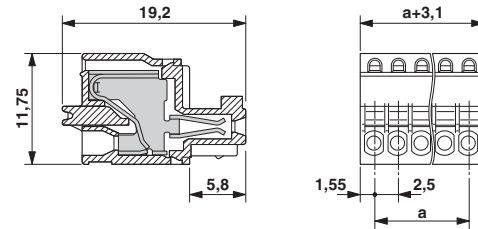
Type: FK-MC 0,5/...-ST-2,5 with MCDV 0,5/...-G1-2,5

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Diagram



Dimensional drawing



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