Printed-circuit board connector - FK-MC 0,5/12-ST-2,5 BK - 1755279

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Plug component, nominal current: 4 A, number of positions: 12, pitch: 2.5 mm, connection method: Push-in spring connection, Color: black, Contact surface: Tin

Key Commercial Data

Packing unit	50 STK
GTIN	4 046356 330862
GTIN	4046356330862
Weight per Piece (excluding packing)	6.845 g
Custom tariff number	85366990
Country of origin	Germany
Note	Made to Order (non-returnable)

Technical data

Dimensions

Length	19.05 mm
Pitch	2.5 mm
Dimension a	27.50 mm

General

Range of articles	FK-MC 0,5/..-ST
Connection in acc. with standard	EN-VDE
Nominal current I_N	4 A
Nominal voltage U_N	100 V
Nominal cross section	0.5 mm²
Number of positions	12

Connection data

Conductor cross section solid min.	0.14 mm²
Conductor cross section solid max.	0.5 mm²
Conductor cross section flexible min.	0.14 mm²
Conductor cross section flexible max.	0.5 mm²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	0.5 mm²

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Technical data

Connection data

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

Ambient conditions

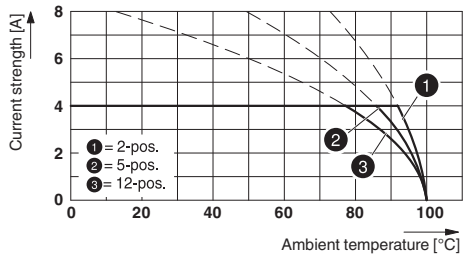
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Ambient temperature (assembly)	-5 °C ... 100 °C
Ambient temperature (operation)	-40 °C (dependent on the derating curve)

Environmental Product Compliance

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

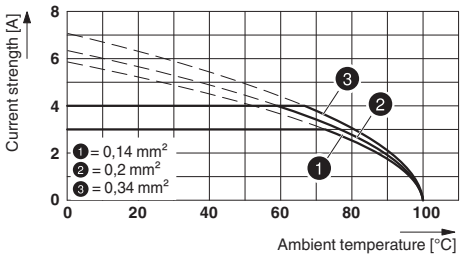
Drawings

Diagram



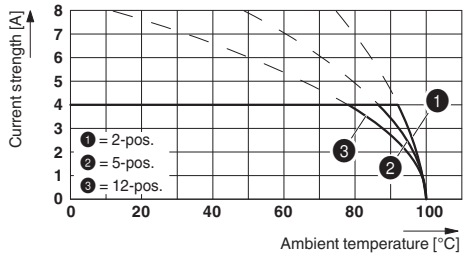
Type: FK-MC 0,5/...-ST-2,5 with MC 0,5/...-G-2,5

Diagram



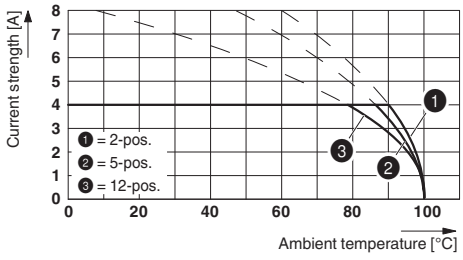
Type: FK-MC 0,5/...-ST-2,5 with MC 0,5/...-G-2,5

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

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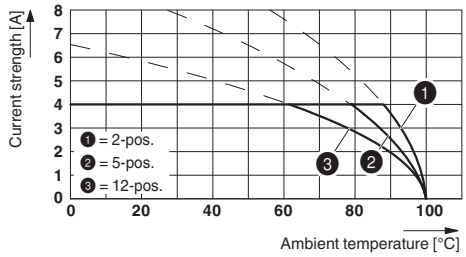
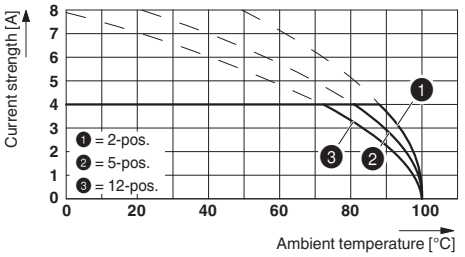
Diagram



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

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
eCl@ss 9.0	27440309

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002638
ETIM 5.0	EC002638
ETIM 6.0	EC002638

UNSPSC

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

Approvals

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

Ex Approvals

Printed-circuit board connector - FK-MC 0,5/12-ST-2,5 BK - 1755279

Approvals

Approval details

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

	B
mm²/AWG/kcmil	28-20
Nominal current IN	4 A
Nominal voltage UN	125 V

VDE Gutachten mit Fertigungsüberwachung		http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx	40013394

mm²/AWG/kcmil	0.2-0.5
Nominal current IN	4 A
Nominal voltage UN	100 V

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

	B
mm²/AWG/kcmil	28-20
Nominal current IN	4 A
Nominal voltage UN	125 V

IECEE CB Scheme		http://www.iecee.org/	DE1-56068-B1B2

mm²/AWG/kcmil	0.2-0.5
Nominal current IN	4 A
Nominal voltage UN	100 V

CCA	CCA/ DE1 34250

mm²/AWG/kcmil	0.2-0.5
Nominal current IN	4 A
Nominal voltage UN	100 V

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Approvals

EAC		B.01742

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