

Printed-circuit board connector - FK-MCP 1,5/ 3-STF-3,81 - 1851245

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Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.81 mm, Connection method: Spring-cage conn., Color: green, Contact surface: Tin



The figure shows a 10-position version of the product

Why buy this product

- User-friendly actuation of the terminal point using a screwdriver
- Fast conductor connection thanks to Push-in spring-cage connection
- Test connection for accommodating 1.2 mm Ø test pins or 1 mm Ø test plugs
- Wide range of possible combinations with MC base strips with 3.5/3.81 mm pitch



Key commercial data

Packing unit	1
Minimum order quantity	50
Catalog page	Page 187 (CC-2011)
GTIN	 4 017918 110291
Custom tariff number	85366990
Country of origin	GERMANY

Technical data

Dimensions / positions

Pitch	3.81 mm
Dimension a	7.62 mm
Number of positions	3

Technical data

Range of articles	FK-MCP 1,5/...-STF
Insulating material group	I
Rated surge voltage (III/3)	2.5 kV
Rated surge voltage (III/2)	2.5 kV
Rated surge voltage (II/2)	2.5 kV

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Technical data

Technical data

Rated voltage (III/2)	160 V
Rated voltage (II/2)	320 V
Connection in acc. with standard	EN-VDE
Nominal current I _N	8 A
Nominal voltage U _N	160 V
Nominal cross section	1.5 mm ²
Maximum load current	8 A (with 1.5 mm ² conductor cross section)
Insulating material	PA
Inflammability class according to UL 94	V0
Internal cylindrical gage	A1
Stripping length	9 mm
Nominal voltage, UL/CUL Use Group B	300 V
Nominal current, UL/CUL Use Group B	8 A
Nominal voltage, UL/CUL Use Group D	300 V
Nominal current, UL/CUL Use Group D	8 A

Connection data

Conductor cross section solid min.	0.14 mm ²
Conductor cross section solid max.	1.5 mm ²
Conductor cross section stranded min.	0.14 mm ²
Conductor cross section stranded max.	1.5 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	1.5 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	0.5 mm ²
Conductor cross section AWG/kcmil min.	26
Conductor cross section AWG/kcmil max	16
Minimum AWG according to UL/CUL	28
Maximum AWG according to UL/CUL	16

Classifications

eClass

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

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Classifications

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


CSA / UL Recognized / VDE report with production monitoring / cUL Recognized / GOST / IECEE CB Scheme / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

CSA 		
	B	D
mm ² /AWG/kcmil	28-16	28-16
Nominal current I _N	8 A	8 A
Nominal voltage U _N	300 V	300 V

UL Recognized 		
	B	D
mm ² /AWG/kcmil	28-16	28-16
Nominal current I _N	8 A	8 A
Nominal voltage U _N	300 V	300 V

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Approvals

VDE report with production monitoring

mm ² /AWG/kcmil	0.2-1.5
Nominal current I _N	8 A
Nominal voltage U _N	160 V

cUL Recognized

	B	D
mm ² /AWG/kcmil	28-16	28-16
Nominal current I _N	8 A	8 A
Nominal voltage U _N	300 V	300 V

GOST

IECEE CB Scheme

mm ² /AWG/kcmil	0.2-1.5
Nominal current I _N	8 A
Nominal voltage U _N	160 V

cULus Recognized

Accessories

Accessories

Marking

Marker cards - SK 3,81/2,8:FORTL.ZAHLEN - 0804109



Marker cards, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - (99)100, Mounting type: Adhesive, For terminal block width: 3.81 mm

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Accessories

Tools

Screwdriver - SZS 0,4X2,5 VDE - 1205037



Screwdriver, bladed, VDE insulated, size: 0.4 x 2.5 x 80 mm, 2-component grip, with non-slip grip

Additional products

Base strip - DFK-MC 1,5/ 3-GF-3,81 - 1829358



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.81 mm, Connection method: Solder/Slip-on connection, Color: green, Contact surface: Tin, Assembly: Direct mounting

Base strip - MCDV 1,5/ 3-GF-3,81 - 1830266



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Assembly: Soldering, In combination with MCV plug components, both an MCVW and an MCVR plug must be used.

Base strip - MCDV 1,5/ 3-G1F-3,81 - 1842775



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Assembly: Soldering, In combination with MCV plug components, both an MCVW and an MCVR plug must be used.

Base strip - MCD 1,5/ 3-GF-3,81 - 1830114



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Assembly: Soldering, In combination with MCV plug components, both an MCVW and an MCVR plug must be used.

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Accessories

Base strip - MCD 1,5/ 3-G1F-3,81 - 1842924



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Assembly: Soldering, In combination with MCV plug components, both an MCVW and an MCVR plug must be used.

Printed-circuit board connector - IMC 1,5/ 3-STGF-3,81 - 1858044



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.81 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

Base strip - MCVU 1,5/ 3-GFD-3,81 - 1833030



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.81 mm, Connection method: Screw connection, Color: green, Contact surface: Tin, Assembly: Direct mounting

Base strip - MCVK 1,5/ 3-GF-3,81 - 1832882



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.81 mm, Connection method: Screw connection, Color: green, Contact surface: Tin, Assembly: DIN rail

Base strip - MCV 1,5/ 3-GF-3,81 - 1830606



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Assembly: Soldering

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Accessories

Base strip - MC 1,5/ 3-GF-3,81 - 1827871

Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Assembly: Soldering



Base strip - MC 1,5/ 3-GF-3,81 THT - 1908884

Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.81 mm, Color: Black, Contact surface: Tin, Assembly: SMD/THT/THR, User information and design recommendations on through hole reflow technology can be found at: <http://www.combicon.com>



Base strip - SMC 1,5/ 3-GF-3,81 - 1827431

Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Assembly: Soldering



Base strip - EMCV 1,5/ 3-GF-3,81 - 1879298

Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Assembly: Press-in



Base strip - EMC 1,5/ 3-GF-3,81 - 1896954

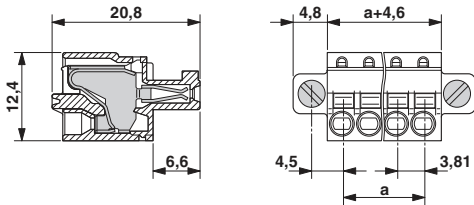
Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Assembly: Press-in



Drawings

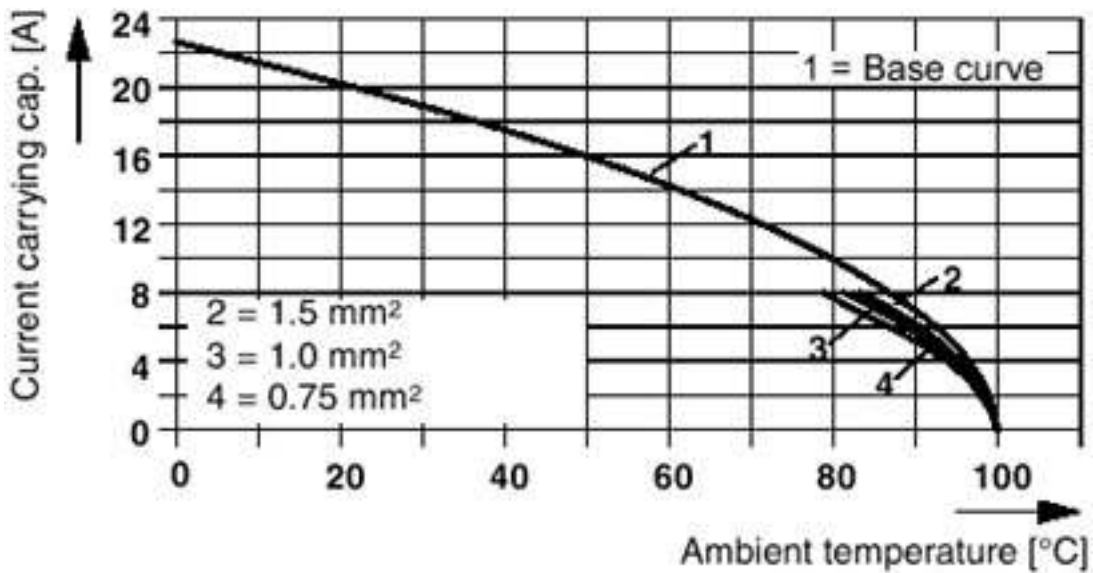
Printed-circuit board connector - FK-MCP 1,5/ 3-STF-3,81 - 1851245

Dimensioned drawing



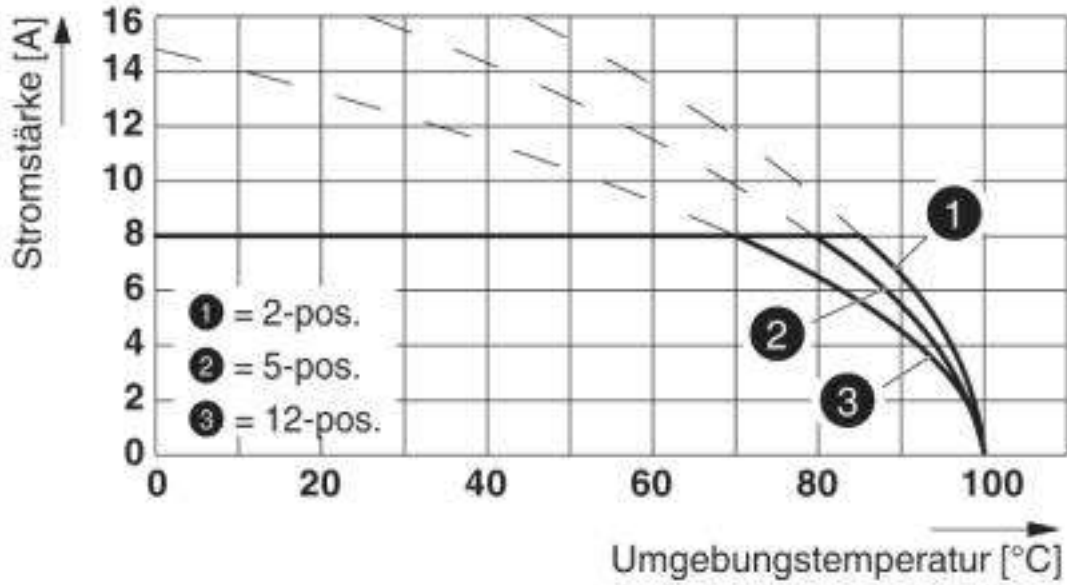
Diagram

Plug: FK-MCP 1,5/5-ST(F)-3,81
Header: MC(V) 1,5/5-G(F)-3,81



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Diagram



Type: FK-MCP 1,5/...-STF-3,81 with MC 1,5/...-GF-3,81 P.. THR

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