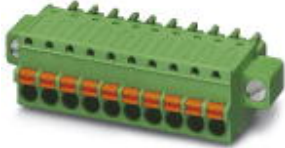


Printed-circuit board connector - FK-MCP 1,5/ 8-STF-3,81 - 1851290

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PCB connector, nominal current: 8 A, number of positions: 8, pitch: 3.81 mm, connection method: Push-in spring connection, color: green, contact surface: Tin



The figure shows a 10-position version of the product

Your advantages

- ✓ 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
- ✓ Screwable flange for superior mechanical stability
- ✓ Quick and convenient testing using integrated test option



Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4017918110109
Weight per Piece (excluding packing)	8.390 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Length [l]	20.8 mm
Width [w]	40.87 mm
Height [h]	12.4 mm
Pitch	3.81 mm

Printed-circuit board connector - FK-MCP 1,5/ 8-STF-3,81 - 1851290

Technical data

Dimensions

Dimension a	26.67 mm
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General

Range of articles	FK-MCP 1,5/...STF
Number of positions	8
Connection method	Push-in spring connection
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
Rated voltage (III/3)	160 V
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 cross section	1.5 mm ²
Maximum load current	8 A (with 1.5 mm ² conductor cross section)
Insulating material	PA
Flammability rating according to UL 94	V0
Internal cylindrical gage	A1
Stripping length	9 mm

Connection data

Conductor cross section solid min.	0.14 mm ²
Conductor cross section solid max.	1.5 mm ²
Conductor cross section flexible min.	0.14 mm ²
Conductor cross section flexible max.	1.5 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.	1.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	0.75 mm ²
Conductor cross section AWG min.	26
Conductor cross section AWG max.	16
Minimum AWG according to UL/CUL	28
Maximum AWG according to UL/CUL	16

Specifications for ferrules

Recommended crimping pliers	1212034 CRIMPFOX 6
Ferrules without insulating collar, according to DIN 46228-1	Cross section: 0.25 mm ² ; Length: 7 mm

Printed-circuit board connector - FK-MCP 1,5/ 8-STF-3,81 - 1851290

Technical data

Specifications for ferrules

	Cross section: 0.34 mm ² ; Length: 7 mm
	Cross section: 0.5 mm ² ; Length: 8 mm ... 10 mm
	Cross section: 0.75 mm ² ; Length: 8 mm ... 10 mm
	Cross section: 1 mm ² ; Length: 8 mm ... 10 mm
	Cross section: 1.5 mm ² ; Length: 10 mm

Standards and Regulations

Connection in acc. with standard	EN-VDE
	CSA
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

Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27260700
eCl@ss 6.0	27260700
eCl@ss 7.0	27440309
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
ETIM 7.0	EC002638

UNSPSC

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

Printed-circuit board connector - FK-MCP 1,5/ 8-STF-3,81 - 1851290

Classifications

UNSPSC

UNSPSC 13.2	39121409
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Approvals


Approvals


Approvals


CSA / IECCEB CB Scheme / VDE Gutachten mit Fertigungsüberwachung / EAC / cULus Recognized

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	13631
		B	
Nominal voltage UN			300 V
Nominal current IN			8 A
mm ² /AWG/kcmil			28-16


IECEE CB Scheme		http://www.iecee.org/	DE1-60987-B1B2
Nominal voltage UN			160 V
Nominal current IN			8 A
mm ² /AWG/kcmil			0.2-1.5

VDE Gutachten mit Fertigungsüberwachung		http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx	40011723
Nominal voltage UN			160 V
Nominal current IN			8 A
mm ² /AWG/kcmil			0.2-1.5

Printed-circuit board connector - FK-MCP 1,5/ 8-STF-3,81 - 1851290

Approvals

EAC		B.01742
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cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-19920306
		B	
Nominal voltage UN		300 V	
Nominal current IN		8 A	
mm ² /AWG/kcmil		28-16	

Accessories

Accessories

Crimping tool

Crimping pliers - CRIMPFOX 6 - 1212034



Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 0.25 mm² ... 6.0 mm², lateral entry, trapezoidal crimp

Labeled terminal marker

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



Marker card, 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, lettering field size: 3.81 x 2.8 mm

Screwdriver tools

Printed-circuit board connector - FK-MCP 1,5/ 8-STF-3,81 - 1851290

Accessories

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



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

Additional products

Printed-circuit board connector - MCV 1,5/ 8-GF-3,81 P14 THR - 1707272



PCB headers, nominal current: 8 A, number of positions: 8, pitch: 3.81 mm, color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"

Printed-circuit board connector - MCV 1,5/ 8-GF-3,81 P26 THR - 1707696



PCB headers, nominal current: 8 A, number of positions: 8, pitch: 3.81 mm, color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"

Feed-through header - MCV 1,5/ 8-GF-3,81 P26 THRR56 - 1713402



PCB headers, nominal current: 8 A, number of positions: 8, pitch: 3.81 mm, color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"

Printed-circuit board connector - MC 1,5/ 8-GF-3,81 P20 THRR56 - 1782080



PCB headers, nominal current: 8 A, number of positions: 8, pitch: 3.81 mm, color: black, contact surface: Tin, mounting: THR soldering

Printed-circuit board connector - FK-MCP 1,5/ 8-STF-3,81 - 1851290

Accessories

Feed-through header - SMC 1,5/ 8-GF-3,81 - 1827486

PCB headers, nominal current: 8 A, number of positions: 8, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering



Printed-circuit board connector - MC 1,5/ 8-GF-3,81 - 1827923

PCB headers, nominal current: 8 A, number of positions: 8, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering



Feed-through header - MCD 1,5/ 8-GF-3,81 - 1830169

PCB headers, nominal current: 8 A, number of positions: 8, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering, In combination with MCV plug components, both an MCVW and an MCVR plug must be used.



Feed-through header - MCDV 1,5/ 8-GF-3,81 - 1830318

PCB headers, nominal current: 8 A, number of positions: 8, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering, In combination with MCV plug components, both an MCVW and an MCVR plug must be used.



Printed-circuit board connector - MCV 1,5/ 8-GF-3,81 - 1830651

PCB headers, nominal current: 8 A, number of positions: 8, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering



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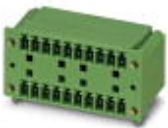
Accessories

Feed-through header - MCDV 1,5/ 8-G1F-3,81 - 1842827



PCB headers, nominal current: 8 A, number of positions: 8, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering. In combination with MCV plug components, both an MCVW and an MCVR plug must be used.

Printed-circuit board connector - MCD 1,5/ 8-G1F-3,81 - 1842979



PCB headers, nominal current: 8 A, number of positions: 8, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Wave soldering. In combination with MCV plug components, both an MCVW and an MCVR plug must be used.

Feed-through header - EMCV 1,5/ 8-GF-3,81 - 1879340



PCB headers, nominal current: 8 A, number of positions: 8, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Press-in technology

Feed-through header - EMC 1,5/ 8-GF-3,81 - 1897005



PCB headers, nominal current: 8 A, number of positions: 8, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Press-in technology

Feed-through header - MC 1,5/ 8-GF-3,81 THT - 1909090



PCB headers, number of positions: 8, pitch: 3.81 mm, color: black, User information and design recommendations for through hole reflow technology can be found under "Downloads"

Printed-circuit board connector - FK-MCP 1,5/ 8-STF-3,81 - 1851290

Accessories

Feed-through header - MC 1,5/ 8-GF-3,81 THT-R56 - 1996595



PCB headers, number of positions: 8, pitch: 3.81 mm, color: black, User information and design recommendations for through hole reflow technology can be found under "Downloads"