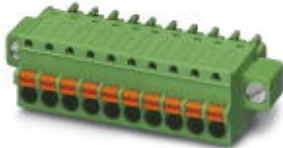


Printed-circuit board connector - FK-MCP 1,5/10-STF-3,5 - 1940172

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(<http://phoenixcontact.com/download>)

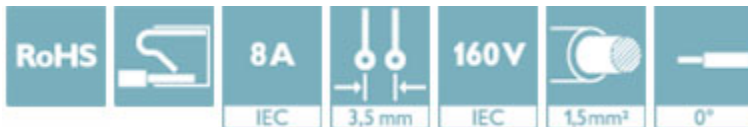
PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 10, pitch: 3.5 mm, connection method: Push-in spring connection, color: green, contact surface: Tin



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
Minimum order quantity	50 pc
GTIN	 4 017918 877415
GTIN	4017918877415
Weight per Piece (excluding packing)	9.600 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Length [l]	20.8 mm
Width [w]	45.3 mm
Height [h]	12.4 mm

Printed-circuit board connector - FK-MCP 1,5/10-STF-3,5 - 1940172

Technical data

Dimensions

Pitch	3.5 mm
Dimension a	31.5 mm

General

Range of articles	FK-MCP 1,5/...STF
Number of positions	10
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.	0.5 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
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Printed-circuit board connector - FK-MCP 1,5/10-STF-3,5 - 1940172

Technical data

Specifications for ferrules

Ferrules without insulating collar, according to DIN 46228-1	Cross section: 0.25 mm²; Length: 7 mm ... 9 mm
	Cross section: 0.34 mm²; Length: 7 mm ... 9 mm
	Cross section: 0.5 mm²; Length: 8 mm ... 9 mm
	Cross section: 0.75 mm²; Length: 8 mm ... 9 mm
	Cross section: 1 mm²; Length: 8 mm ... 9 mm
	Cross section: 1.5 mm²; Length: 8 mm ... 9 mm

Standards and Regulations

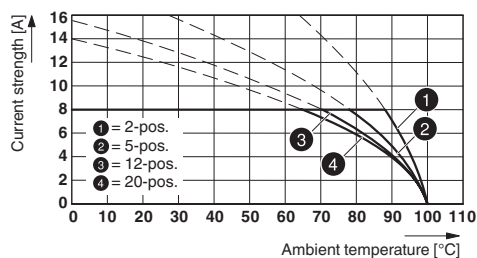
Connection in acc. with standard	EN-VDE
	CUL
Flammability rating according to UL 94	V0

Environmental Product Compliance

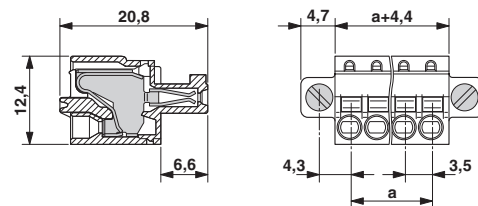
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Diagram



Dimensional drawing



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

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

Printed-circuit board connector - FK-MCP 1,5/10-STF-3,5 - 1940172

Classifications

eCl@ss

eCl@ss 9.0	27440309
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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

Approvals

Approvals

IECEE CB Scheme / VDE Gutachten mit Fertigungsüberwachung / EAC / cULus Recognized

Ex Approvals

Approval details

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		

Printed-circuit board connector - FK-MCP 1,5/10-STF-3,5 - 1940172

Approvals

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		
mm²/AWG/kcmil	0.2-1.5		

EAC		B.01742
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cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-19920306
Nominal voltage UN	300 V		
Nominal current IN	8 A		
mm²/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 3,5/2,8:FORTL.ZAHLEN - 0804073



Marker card, Card, white, labeled, Horizontal: consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - 99, mounting type: adhesive, for terminal block width: 3.5 mm, lettering field size: 3.5 x 2.8 mm

Printed-circuit board connector - FK-MCP 1,5/10-STF-3,5 - 1940172

Accessories

Screwdriver tools

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

Terminal marking

Marker card - SK U/2,8 WH:UNBEDRUCKT - 0803883



Marker card, Sheet, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, Office printing systems, mounting type: adhesive, for terminal block width: 210 mm, lettering field size: 186 x 2.8 mm

Test plug terminal block

Test plugs - MPS-MT 1-S - 1944372



, rated voltage (III/2): , nominal current (Ex): , nominal voltage (Ex): , number of positions: 1, pitch: 0 mm, : , mounting: ,

Additional products

Printed-circuit board connector - MCV 1,5/10-GF-3,5 P20 THRR72 - 1780820



PCB headers, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 10, pitch: 3.5 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 - FK-MCP 1,5/10-STF-3,5 - 1940172

Accessories

Printed-circuit board connector - MC 1,5/10-GF-3,5 P26 THR - 1789326

PCB headers, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 10, pitch: 3.5 mm, color: black, contact surface: Tin, mounting: THR soldering



Printed-circuit board connector - MC 1,5/10-GF-3,5 P26 THRR72 - 1789339

PCB headers, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 10, pitch: 3.5 mm, color: black, contact surface: Tin, mounting: THR soldering



Printed-circuit board connector - MC 1,5/10-GF-3,5 P20 THRR72 - 1789559

PCB headers, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 10, pitch: 3.5 mm, color: black, contact surface: Tin, mounting: THR soldering



Printed-circuit board connector - MC 1,5/10-GF-3,5 P14 THR - 1789766

PCB headers, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 10, pitch: 3.5 mm, color: black, contact surface: Tin, mounting: THR soldering



Printed-circuit board connector - MC 1,5/10-GF-3,5 P14 THRR72 - 1789779

PCB headers, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 10, pitch: 3.5 mm, color: black, contact surface: Tin, mounting: THR soldering



Printed-circuit board connector - FK-MCP 1,5/10-STF-3,5 - 1940172

Accessories

Feed-through header - MCV 1,5/10-GF-3,5 - 1843305

PCB headers, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 10, pitch: 3.5 mm, color: green, contact surface: Tin, mounting: Wave soldering



Feed-through header - MC 1,5/10-GF-3,5 - 1843871

PCB headers, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 10, pitch: 3.5 mm, color: green, contact surface: Tin, mounting: Wave soldering



Feed-through header - EMC 1,5/10-GF-3,5 - 1897322

PCB headers, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 10, pitch: 3.5 mm, color: green, contact surface: Tin, mounting: Press-in technology



Feed-through header - EMCV 1,5/10-GF-3,5 - 1911240

PCB headers, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 10, pitch: 3.5 mm, color: green, contact surface: Tin, mounting: Press-in technology

