Printed-circuit board connector - FMC 1,5/ 7-STF-3,5 - 1966143

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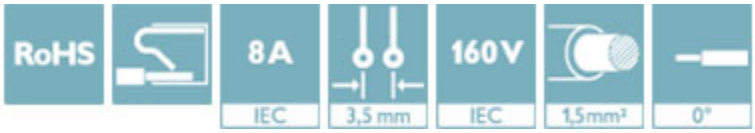
PCB connector, nominal current: 8 A, number of positions: 7, pitch: 3.5 mm, connection method: Push-in spring connection, color: green, contact surface: Tin

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
- Operation and conductor connection from one direction enable integration into front of device
- Screwable flange for superior mechanical stability



Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
GTIN	4 017918 943332
GTIN	4017918943332
Weight per Piece (excluding packing)	4.960 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Length [l]	22.9 mm
Width [w]	34.8 mm
Height [h]	7.8 mm

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Technical data

Dimensions

Pitch	3.5 mm
Dimension a	21 mm

General

Range of articles	FMC 1,5/..-STF
Number of positions	7
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 mm²
Maximum load current	8 A
Insulating material	PA
Flammability rating according to UL 94	V0
Internal cylindrical gage	A1
Stripping length	10 mm

Connection data

Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	1.5 mm²
Conductor cross section flexible min.	0.2 mm²
Conductor cross section flexible max.	1.5 mm²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	1.5 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	0.75 mm²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	16
Minimum AWG according to UL/CUL	24
Maximum AWG according to UL/CUL	16

Specifications for ferrules

Recommended crimping pliers	1212034 CRIMPFOX 6

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Technical data

Specifications for ferrules

Ferrules without insulating collar, according to DIN 46228-1	Cross section: 0.25 mm²; Length: 7 mm
	Cross section: 0.34 mm²; Length: 7 mm
	Cross section: 0.5 mm²; Length: 8 mm ... 10 mm
	Cross section: 0.75 mm²; Length: 8 mm ... 10 mm
	Cross section: 1 mm²; Length: 8 mm ... 10 mm
	Cross section: 1.5 mm²; Length: 10 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

Classifications

eCl@ss

eCl@ss 4.0	27260700
eCl@ss 4.1	27260700
eCl@ss 5.0	27260700
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

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Classifications

UNSPSC

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	CB scheme	http://www.iecee.org/	DE1-60987-B1B2

Nominal voltage UN	160 V
Nominal current IN	8 A
mm²/AWG/kcmil	0.2-1.5

VDE Gutachten mit Fertigungsüberwachung	VDE	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	EAC	B.01742

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Approvals

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-19920306

	B	C
Nominal voltage UN	150 V	50 V
Nominal current IN	8 A	8 A
mm²/AWG/kcmil	24-16	24-16

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

Marker pen

Marker pen - B-STIFT - 1051993

Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

Screwdriver tools

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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

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

Additional products

Printed-circuit board connector - MCV 1,5/ 7-GF-3,5 P20 THRR56 - 1780765

PCB headers, nominal current: 8 A, number of positions: 7, 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 - MC 1,5/ 7-GF-3,5 P26 THR - 1789261

PCB headers, nominal current: 8 A, number of positions: 7, pitch: 3.5 mm, color: black, contact surface: Tin, mounting: THR soldering

Printed-circuit board connector - MC 1,5/ 7-GF-3,5 P26 THRR56 - 1789274

PCB headers, nominal current: 8 A, number of positions: 7, pitch: 3.5 mm, color: black, contact surface: Tin, mounting: THR soldering

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Accessories

Printed-circuit board connector - MC 1,5/ 7-GF-3,5 P20 THRR56 - 1789494

PCB headers, nominal current: 8 A, number of positions: 7, pitch: 3.5 mm, color: black, contact surface: Tin, mounting: THR soldering

Printed-circuit board connector - MC 1,5/ 7-GF-3,5 P14 THR - 1789708

PCB headers, nominal current: 8 A, number of positions: 7, pitch: 3.5 mm, color: black, contact surface: Tin, mounting: THR soldering

Printed-circuit board connector - MC 1,5/ 7-GF-3,5 P14 THRR56 - 1789711

PCB headers, nominal current: 8 A, number of positions: 7, pitch: 3.5 mm, color: black, contact surface: Tin, mounting: THR soldering

Feed-through header - MCV 1,5/ 7-GF-3,5 - 1843279

PCB headers, nominal current: 8 A, number of positions: 7, pitch: 3.5 mm, color: green, contact surface: Tin, mounting: Wave soldering

Feed-through header - MC 1,5/ 7-GF-3,5 - 1843842

PCB headers, nominal current: 8 A, number of positions: 7, pitch: 3.5 mm, color: green, contact surface: Tin, mounting: Wave soldering

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Accessories

Feed-through header - EMC 1,5/ 7-GF-3,5 - 1897296

PCB headers, nominal current: 8 A, number of positions: 7, pitch: 3.5 mm, color: green, contact surface: Tin, mounting: Press-in technology

Feed-through header - EMCV 1,5/ 7-GF-3,5 - 1911211

PCB headers, nominal current: 8 A, number of positions: 7, pitch: 3.5 mm, color: green, contact surface: Tin, mounting: Press-in technology

Feed-through header - MC 1,5/ 7-GF-3,5 THT - 1937363

PCB headers, number of positions: 7, pitch: 3.5 mm, color: black, User information and design recommendations for through hole reflow technology can be found under “Downloads”

Feed-through header - MCV 1,5/ 7-GF-3,5 THT - 1937457

PCB headers, number of positions: 7, pitch: 3.5 mm, color: black, User information and design recommendations for through hole reflow technology can be found under “Downloads”

Feed-through header - MC 1,5/ 7-GF-3,5 THT-R56 - 1996919

PCB headers, number of positions: 7, pitch: 3.5 mm, color: black, User information and design recommendations for through hole reflow technology can be found under “Downloads”