

## Printed-circuit board connector - MC 1,5/ 9-STF-3,81 - 1827774

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Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 9, Pitch: 3.81 mm, Connection method: Screw connection, Color: green, Contact surface: Tin




The figure shows a 10-position version of the product

### Why buy this product

- Generously dimensioned wiring space
- Plug-in direction parallel to the conductor axis
- Low design height of the MC 1,5 plug range
- Individual position coding by removing the coding tab and connecting the coding profile to the header



### Key Commercial Data

Packing unit	50 pc
GTIN	 4 017918 050238
Weight per Piece (excluding packing)	7.12 g
Custom tariff number	85366990
Country of origin	Germany
Product key	AAAEAA

### Technical data

#### Dimensions

Height	11.1 mm
Width	44.68 mm
Pitch	3.81 mm
Dimension a	30.48 mm

#### General

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

# Printed-circuit board connector - MC 1,5/ 9-STF-3,81 - 1827774

## Technical data

### General

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 <sub>N</sub>	8 A
Nominal cross section	1.5 mm <sup>2</sup>
Maximum load current	8 A (with 1.5 mm <sup>2</sup> conductor cross section)
Insulating material	PA
Inflammability class according to UL 94	V0
Internal cylindrical gage	A1
Stripping length	7 mm
Number of positions	9
Screw thread	M2
Tightening torque, min	0.22 Nm
Tightening torque max	0.25 Nm

### Connection data

Conductor cross section solid min.	0.14 mm <sup>2</sup>
Conductor cross section solid max.	1.5 mm <sup>2</sup>
Conductor cross section flexible min.	0.14 mm <sup>2</sup>
Conductor cross section flexible max.	1.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	1.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	0.5 mm <sup>2</sup>
Conductor cross section AWG min.	28
Conductor cross section AWG max.	16
2 conductors with same cross section, solid min.	0.08 mm <sup>2</sup>
2 conductors with same cross section, solid max.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.08 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	0.75 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	0.34 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	0.5 mm <sup>2</sup>
Minimum AWG according to UL/CUL	30
Maximum AWG according to UL/CUL	14

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## 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

### 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

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#### Approvals

CSA / VDE Gutachten mit Fertigungsüberwachung / IECEx CB Scheme / CCA / EAC / cULus Recognized

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#### Ex Approvals

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#### Approvals submitted

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### Approval details

CSA 	B	D	
	mm <sup>2</sup> /AWG/kcmil	28-16	28-16
	Nominal current I <sub>N</sub>	8 A	8 A

# Printed-circuit board connector - MC 1,5/ 9-STF-3,81 - 1827774

## Approvals

	B	D
Nominal voltage UN	300 V	300 V

VDE Gutachten mit Fertigungsüberwachung

mm <sup>2</sup> /AWG/kcmil	0.2-1.5
Nominal current I <sub>N</sub>	8 A
Nominal voltage UN	160 V

IECEE CB Scheme

mm <sup>2</sup> /AWG/kcmil	0.2-1.5
Nominal current I <sub>N</sub>	8 A
Nominal voltage UN	160 V

CCA

mm <sup>2</sup> /AWG/kcmil	0.2-1.5
Nominal current I <sub>N</sub>	8 A
Nominal voltage UN	160 V

EAC

cULus Recognized

	B	D
mm <sup>2</sup> /AWG/kcmil	30-14	30-14
Nominal current I <sub>N</sub>	8 A	8 A
Nominal voltage UN	300 V	300 V

## Accessories

Accessories

Bridge

## Printed-circuit board connector - MC 1,5/ 9-STF-3,81 - 1827774

### Accessories

Insertion bridge - EBPL 2-3,81 - 1733495



Insertion bridge for plugs featuring a screw connection with a 3.81 mm pitch

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Insertion bridge - EBPL 3-3,81 - 1733505



Insertion bridge for plugs featuring a screw connection with a 3.81 mm pitch

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Insertion bridge - EBPL 4-3,81 - 1733518



Insertion bridge for plugs featuring a screw connection with a 3.81 mm pitch

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### Cable housing

Cable housing - KGG-MC 1,5/ 9 - 1834411



Cable housing, Pitch: 3.81 mm, Number of positions: 9, Dimension a: 36.68 mm, Color: green

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### 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: 3.81 x 2.8 mm

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### Screwdriver tools

## Printed-circuit board connector - MC 1,5/ 9-STF-3,81 - 1827774

### 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

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### Terminal marking

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



Marker card, Sheet, white, unlabeled, can be labeled with: Plotter, Office printing systems, Mounting type: Adhesive, Lettering field: 186 x 2.8 mm

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### Additional products

Base strip - DFK-MC 1,5/ 9-GF-3,81 - 1829400



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 9, Pitch: 3.81 mm, Connection method: Solder/Slip-on connection, Color: green, Contact surface: Tin, Mounting: Direct mounting

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Base strip - MCDV 1,5/ 9-G1F-3,81 - 1842830



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 9, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Mounting: Soldering, In combination with MCV plug components, both an MCVW and an MCVR plug must be used.

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Base strip - MCDV 1,5/ 9-GF-3,81 - 1830321



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 9, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Mounting: Soldering, In combination with MCV plug components, both an MCVW and an MCVR plug must be used.

## Printed-circuit board connector - MC 1,5/ 9-STF-3,81 - 1827774

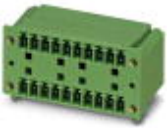
### Accessories

Base strip - MCD 1,5/ 9-GF-3,81 - 1830172



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 9, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Mounting: Soldering, In combination with MCV plug components, both an MCVW and an MCVR plug must be used.

Base strip - MCD 1,5/ 9-G1F-3,81 - 1842982



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 9, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Mounting: Soldering, In combination with MCV plug components, both an MCVW and an MCVR plug must be used.

Printed-circuit board connector - IMC 1,5/ 9-STGF-3,81 - 1858109



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 9, Pitch: 3.81 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

Base strip - MCVU 1,5/ 9-GFD-3,81 - 1833098



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 9, Pitch: 3.81 mm, Connection method: Screw connection, Color: green, Contact surface: Tin, Mounting: Direct mounting

Base strip - MCVK 1,5/ 9-GF-3,81 - 1832947



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 9, Pitch: 3.81 mm, Connection method: Screw connection, Color: green, Contact surface: Tin, Mounting: DIN rail

## Printed-circuit board connector - MC 1,5/ 9-STF-3,81 - 1827774

### Accessories

Base strip - MCV 1,5/ 9-GF-3,81 - 1830664

Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 9, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Mounting: Soldering



Base strip - MC 1,5/ 9-GF-3,81 - 1827936

Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 9, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Mounting: Soldering



Base strip - SMC 1,5/ 9-GF-3,81 - 1827499

Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 9, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Mounting: Soldering



Base strip - EMCV 1,5/ 9-GF-3,81 - 1879353

Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 9, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Mounting: Press-in



Base strip - EMC 1,5/ 9-GF-3,81 - 1897018

Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 9, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Mounting: Press-in

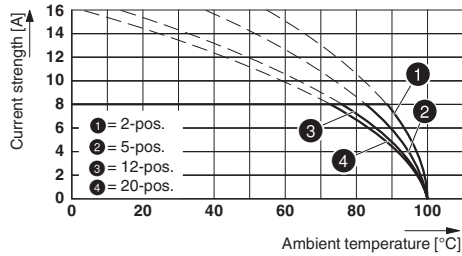


### Drawings



# Printed-circuit board connector - MC 1,5/ 9-STF-3,81 - 1827774

Diagram



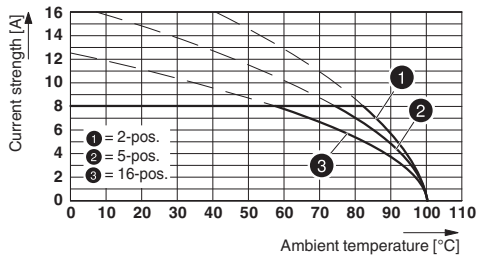
Type: MC 1,5/...-STF-3,81 with MCV 1,5/...-GF-3,81

Diagram



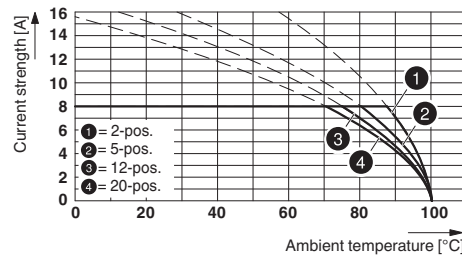
Type: MC 1,5/...-STF-3,81 with MCV 1,5/...-GF-3,81 P26 THR

Diagram



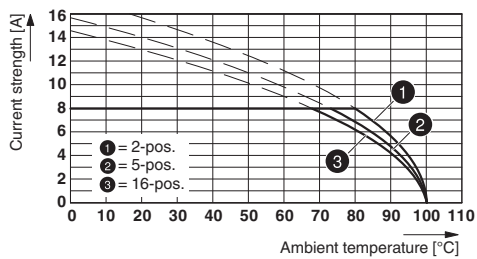
Type: MC 1,5/...-STF-3,81 with MCD 1,5/...-G1F-3,81

Diagram



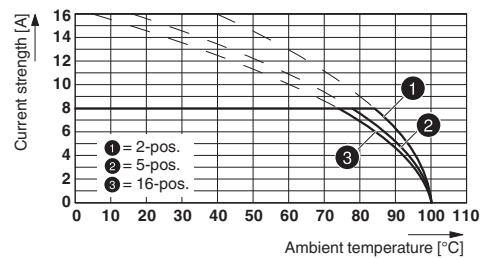
Type: MC 1,5/...-STF-3,81 with MC 1,5/...-GF-3,81

Diagram



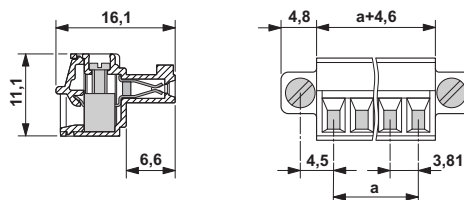
Type: MC 1,5/...-STF-3,81 with DFK-MC 1,5/...-GF-3,81 (with flat plug)

Diagram



Type: MC 1,5/...-STF-3,81 with DFK-MC 1,5/...-GF-3,81 (with solder connection)

Dimensional drawing





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