

## Printed-circuit board connector - MCC 1/16-STZ-3,81 - 1852312

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Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 16, Pitch: 3.81 mm, Connection method: Crimp connection, Color: green, Corresponding female crimp contacts with current [A] and conductor cross section range [mm²] data: 5A/MCC-MT 0,2-0,35 (1859988); 8A/MCC-MT 0,5-1,0 (1859991)

### Why buy this product

- ✓ Can be combined with MC 1,5 base strips and IMC 1,5 plugs
- ✓ Low design height of the MCC 1 plug range
- ✓ With snap-lock option for pull-out aid
- ✓ Two different crimp contacts can be used:



### Key commercial data

Packing unit	50 pc
GTIN	 4 017918 143879
Weight per Piece (excluding packing)	4.73 g
Custom tariff number	85366990
Country of origin	Poland
Note	Made to Order (non-returnable)

### Technical data

#### Dimensions

Pitch	3.81 mm
Dimension a	57.15 mm

#### General

Range of articles	MCC 1/...-STZ
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

# Printed-circuit board connector - MCC 1/16-STZ-3,81 - 1852312

## Technical data

### General

Rated voltage (II/2)	320 V
Connection in acc. with standard	EN-VDE
Nominal current $I_N$	8 A
Nominal cross section	1 mm <sup>2</sup>
Maximum load current	8 A
Insulating material	PA
Inflammability class according to UL 94	V0
Number of positions	16

### Connection data

Conductor cross section stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	1 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	18
Minimum AWG according to UL/CUL	20
Maximum AWG according to UL/CUL	18

## 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

## Printed-circuit board connector - MCC 1/16-STZ-3,81 - 1852312

### Approvals

#### Approvals

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#### Approvals

UL Recognized

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Ex Approvals

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Approvals submitted

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#### Approval details

UL Recognized 		
	B	D
mm <sup>2</sup> /AWG/kcmil	24-22	24-22
Nominal current I <sub>N</sub>	5 A	5 A
Nominal voltage U <sub>N</sub>	300 V	300 V

### Accessories

#### Accessories

#### Crimp contact

Accessories - MCC-MT 0,2-0,35 - 1859988



Female contact, is inserted into the plug after crimping the conductor, for the module plug housing MCC 1....-STZ-3,81 and MCC 1....-STZF-3,81, for cross sections of 0.2 mm<sup>2</sup> to 0.34 mm<sup>2</sup>

Female insert - MCC-MT 0,5-1,0 - 1859991



Female contact, is inserted into the plug after crimping the conductor, for the module plug housing MCC 1....-STZ-3,81 and MCC 1....-STZF-3,81, for cross sections of 0.5 mm<sup>2</sup> to 1 mm<sup>2</sup>

#### Labeled terminal marker

# Printed-circuit board connector - MCC 1/16-STZ-3,81 - 1852312

## Accessories

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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## Mounting material

Crimping pliers - CRIMPFOX-1,6-ER-1,50-GH - 1772793



Crimping pliers, for IBS DSUB.../C

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## 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

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Strain relief - STZ 2-PCC 4-7,62 - 1840214



Strain relief, for the 3 to 4-position MCC 1/...STZ-3,81 and MCC 1/...STZF-3,81 plugs, for snapping into the latching chambers, can be labeled with ZB 6

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Strain relief - STZ 3-PCC 4-7,62 - 1840227

Strain relief, for the 5 to 10-position MCC 1/...STZ-3,81 and MCC 1/...STZF-3,81 plugs, for snapping into the latching chambers, can be labeled with ZB 6

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Strain relief - STZ 5-PCC 4-7,62 GN - 1842005

Strain relief, for the 11 to 15-position MCC 1/...STZ-3,81 and MCC 1/...STZF-3,81 plugs, for snapping into the latching chambers, can be labeled with ZB 6

# Printed-circuit board connector - MCC 1/16-STZ-3,81 - 1852312

## Accessories

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### Strain relief - STZ 8-PCC 4-7,62 - 1840230

Strain relief, for the 16 to 20-position MCC 1/...STZ-3,81 and MCC 1/...STZF-3,81 plugs, for snapping into the latching chambers, can be labeled with ZB 6

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### Accessories - MCC-MT 0,2-0,35 (0,0) BA - 1923717



Female contact, is inserted into the plug after crimping the conductor, for the module plug housing MCC 1/...-STZ-3,81 and MCC 1/...-STZF-3,81, for cross sections of 0.2 mm<sup>2</sup> to 0.34 mm<sup>2</sup>

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### Female insert - MCC-MT 0,5-1,0 BAND - 1898622



Female contact, is inserted into the plug after crimping the conductor, for the module plug housing MCC 1/...-STZ-3,81 and MCC 1/...-STZF-3,81, for cross sections of 0.5 mm<sup>2</sup> to 1 mm<sup>2</sup>

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## Additional products

### Housing - MCDV 1,5/16-G-3,81 - 1830541



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 16, 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 1,5/16-G1-3,81 - 1847877



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 16, 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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## Printed-circuit board connector - MCC 1/16-STZ-3,81 - 1852312

### Accessories

Base strip - MCD 1,5/16-G-3,81 - 1830091



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 16, 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 1,5/16-G1-3,81 - 1843211



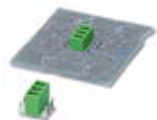
Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 16, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Mounting: Soldering, In combination with MCV plug components, both an MCVW and an MCVR plug must be used.

Printed-circuit board connector - IMC 1,5/16-ST-3,81 - 1858028



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 16, Pitch: 3.81 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

Housing - MCVDU 1,5/16-G-3,81 - 1837573



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 16, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Mounting: Soldering

Base strip - MCVK 1,5/16-G-3,81 - 1832879



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 16, Pitch: 3.81 mm, Connection method: Screw connection, Color: green, Contact surface: Tin, Mounting: DIN rail

## Printed-circuit board connector - MCC 1/16-STZ-3,81 - 1852312

### Accessories

Base strip - MCV 1,5/16-G-3,81 - 1803565



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 16, Pitch: 3.81 mm, Color: green,  
Contact surface: Tin, Mounting: Soldering

Base strip - MC 1,5/16-G-3,81 - 1803413



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 16, Pitch: 3.81 mm, Color: green,  
Contact surface: Tin, Mounting: Soldering

Base strip - SMC 1,5/16-G-3,81 - 1827415



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 16, Pitch: 3.81 mm, Color: green,  
Contact surface: Tin, Mounting: Soldering

Housing - EMCV 1,5/16-G-3,81 - 1860786



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 16, Pitch: 3.81 mm, Color: green,  
Contact surface: Tin, Mounting: Press-in

Base strip - EMC 1,5/16-G-3,81 - 1897940

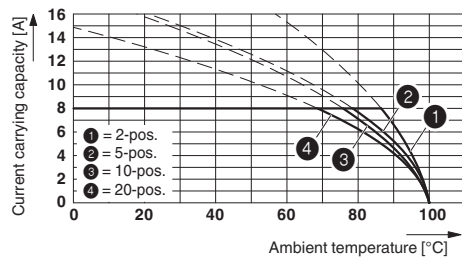


Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 16, Pitch: 3.81 mm, Color: green,  
Contact surface: Tin, Mounting: Press-in

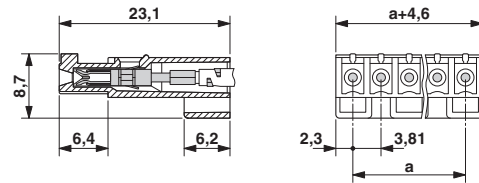
### Drawings

## Printed-circuit board connector - MCC 1/16-STZ-3,81 - 1852312

Diagram



Dimensioned drawing



Type: MCC 1/...-ST-3,81 with MC 1,5/...-G-3,81; contact: MCC-MT 0,5 - 1,0