

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

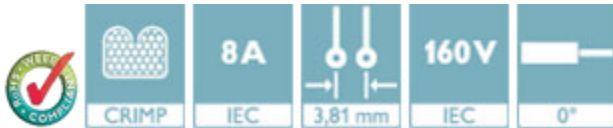
Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)

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)



Product Features

- 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 | 1 pc |
| Weight per Piece (excluding packing) | 4.73 g |
| Custom tariff number | 85366990 |
| Country of origin | Poland |

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 |

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

Technical data

General

| | |
|--|-------------------|
| 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 mm ² |
| Maximum load current | 8 A |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |
| Number of positions | 16 |

Connection data

| | |
|---------------------------------------|---------------------|
| Conductor cross section flexible min. | 0.2 mm ² |
| Conductor cross section flexible max. | 1 mm ² |
| Conductor cross section AWG min. | 24 |
| Conductor cross section AWG max. | 18 |
| Minimum AWG according to UL/CUL | 20 |
| Maximum AWG according to UL/CUL | 18 |

Standards and Regulations

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

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 |
| eCl@ss 9.0 | 27440309 |

ETIM

| | |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002638 |

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

Classifications

ETIM

| | |
|----------|----------|
| 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

Approvals

cULus Recognized / EAC

Ex Approvals

Approvals submitted

Approval details

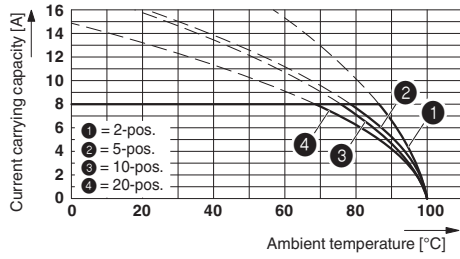
| cULus Recognized | | |
|--------------------------------|-------|-------|
| | B | D |
| mm ² /AWG/kcmil | 24-22 | 24-22 |
| Nominal current I _N | 5 A | 5 A |
| Nominal voltage U _N | 300 V | 300 V |

| |
|-----|
| EAC |
|-----|

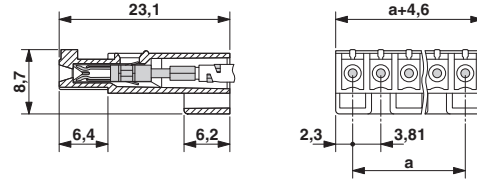
Drawings

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

Diagram



Dimensional drawing



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