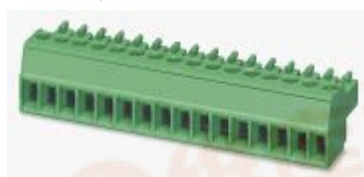


## MC 1,5/...-ST-...



Plug,  
plug-in direction **parallel** to the conductor axis  
Pitch 3.5 or 3.81

| (IEC)              | rigid    | flexible | I     | U     |
|--------------------|----------|----------|-------|-------|
| [mm <sup>2</sup> ] | solid    | stranded | AWG   | [A]   |
| Connection data    | 0.14-1.5 | 0.14-1.5 | 28-16 | 8 160 |



| Description                                  | No. of positions | Dim. a [mm] | Type              | Order No.  | Pcs. Pkt. |
|----------------------------------------------|------------------|-------------|-------------------|------------|-----------|
| <b>Plugs, 3.5 mm pitch,</b><br>color: green  | 2                | 3.5         | MC 1,5/2-ST-3,5   | 18 40 36 6 | 50        |
|                                              | 3                | 7           | MC 1,5/3-ST-3,5   | 18 40 37 9 |           |
|                                              | 4                | 10.5        | MC 1,5/4-ST-3,5   | 18 40 38 2 |           |
|                                              | 5                | 14          | MC 1,5/5-ST-3,5   | 18 40 39 5 |           |
|                                              | 6                | 17.5        | MC 1,5/6-ST-3,5   | 18 40 40 5 |           |
|                                              | 7                | 21          | MC 1,5/7-ST-3,5   | 18 40 41 8 |           |
|                                              | 8                | 24.5        | MC 1,5/8-ST-3,5   | 18 40 42 1 |           |
|                                              | 9                | 28          | MC 1,5/9-ST-3,5   | 18 40 43 4 |           |
|                                              | 10               | 31.5        | MC 1,5/10-ST-3,5  | 18 40 44 7 |           |
|                                              | 11               | 35          | MC 1,5/11-ST-3,5  | 18 40 45 0 |           |
|                                              | 12               | 38.5        | MC 1,5/12-ST-3,5  | 18 40 46 3 |           |
|                                              | 13               | 42          | MC 1,5/13-ST-3,5  | 18 40 47 6 |           |
|                                              | 14               | 45.5        | MC 1,5/14-ST-3,5  | 18 40 48 9 |           |
|                                              | 15               | 49          | MC 1,5/15-ST-3,5  | 18 40 49 2 |           |
|                                              | 16               | 52.5        | MC 1,5/16-ST-3,5  | 18 40 50 2 |           |
|                                              | 17               | 56          | MC 1,5/17-ST-3,5  | 18 40 51 5 |           |
|                                              | 18               | 59.5        | MC 1,5/18-ST-3,5  | 18 40 52 8 |           |
|                                              | 19               | 63          | MC 1,5/19-ST-3,5  | 18 40 53 1 |           |
|                                              | 20               | 66.5        | MC 1,5/20-ST-3,5  | 18 40 54 4 |           |
| <b>Plugs, 3.81 mm pitch,</b><br>color: green | 2                | 3.81        | MC 1,5/2-ST-3,81  | 18 03 57 8 | 50        |
|                                              | 3                | 7.62        | MC 1,5/3-ST-3,81  | 18 03 58 1 |           |
|                                              | 4                | 11.43       | MC 1,5/4-ST-3,81  | 18 03 59 4 |           |
|                                              | 5                | 15.24       | MC 1,5/5-ST-3,81  | 18 03 60 4 |           |
|                                              | 6                | 19.05       | MC 1,5/6-ST-3,81  | 18 03 61 7 |           |
|                                              | 7                | 22.86       | MC 1,5/7-ST-3,81  | 18 03 62 0 |           |
|                                              | 8                | 26.67       | MC 1,5/8-ST-3,81  | 18 03 63 3 |           |
|                                              | 9                | 30.48       | MC 1,5/9-ST-3,81  | 18 03 64 6 |           |
|                                              | 10               | 34.29       | MC 1,5/10-ST-3,81 | 18 03 65 9 |           |
|                                              | 11               | 38.10       | MC 1,5/11-ST-3,81 | 18 03 66 2 |           |

|    |       |                          |                   |
|----|-------|--------------------------|-------------------|
| 12 | 41.91 | <b>MC 1,5/12-ST-3,81</b> | <b>18 03 67 5</b> |
| 13 | 45.72 | MC 1,5/13-ST-3,81        | 18 03 68 8        |
| 14 | 49.53 | <b>MC 1,5/14-ST-3,81</b> | <b>18 03 69 1</b> |
| 15 | 53.34 | MC 1,5/15-ST-3,81        | 18 03 70 1        |
| 16 | 57.15 | <b>MC 1,5/16-ST-3,81</b> | <b>18 03 71 4</b> |
| 17 | 60.96 | MC 1,5/17-ST-3,81        | 18 40 32 4        |
| 18 | 64.77 | MC 1,5/18-ST-3,81        | 18 40 33 7        |
| 19 | 68.58 | MC 1,5/19-ST-3,81        | 18 40 34 0        |
| 20 | 72.39 | MC 1,5/20-ST-3,81        | 18 40 35 3        |

**Accessories**

(1) **Screwdriver**,  
blade: 0.4 x 2.5 x 80 mm,  
length: 160 mm

**SZS 0,4 x 2,5****12 05 03 7**

10

(2) **Marker card**, with 14 pcs.,  
10-section marker strips, white,  
self-adhesive, for 140 terminal blocks

**SK 3,5/2,8 or SK 3,81/2,8**(see [info 1](#), [info 2](#))**Technical data****Dimensions**

see description

Pitch [mm] 3.5 / 3.81

**Technical data in accordance with IEC / DIN VDE**

|                                              |                        |         |         |        |
|----------------------------------------------|------------------------|---------|---------|--------|
| Insulation material group                    | —                      | I       |         |        |
| Surge voltage category / contamination class | —/—                    | III / 3 | III / 2 | II / 2 |
| Rated voltage                                | [V]                    | 160     | 160     | 320    |
| Rated surge voltage                          | [kV]                   | 2.5     | 2.5     | 2.5    |
| Nominal current / cross section              | [A]/[mm <sup>2</sup> ] |         | 8 / 1.5 |        |
| Maximum load current / cross section         | [A]/[mm <sup>2</sup> ] |         | 8 / 1.5 |        |

**Connection capacity**solid / stranded / conductor sizes [mm<sup>2</sup>]/[mm<sup>2</sup>]/AWG 0.14 - 1.5 / 0.14 - 1.5 / 28 - 16stranded with ferrules without / with plastic collar [mm<sup>2</sup>] 0.25 - 1.5 / 0.25 - 0.5**Multiple connection (2 conductors with same cross section)**

|                                                 |                    |                          |
|-------------------------------------------------|--------------------|--------------------------|
| solid / stranded                                | [mm <sup>2</sup> ] | 0.14 - 0.5 / 0.14 - 0.75 |
| stranded with ferrules without plastic collar   | [mm <sup>2</sup> ] | 0.25 - 0.34              |
| stranded with TWIN ferrules with plastic collar | [mm <sup>2</sup> ] | 0.5                      |

Stripping length [mm] 7

Internal cylindrical gage (IEC 947-1:1988) — A 1

Thread — M 2

Torque [Nm] 0.22 - 0.25

Insulation material PA

Inflammability class acc. to UL 94 V2

Temperature indices RTI/Ti 125/100

**Approval data (UL and CSA)**

Nominal voltage / current /  
conductor sizes

UL: [V] / [A] / AWG

300 / 8 / 30 - 14

CSA: [V] / [A] / AWG

300 / 8 / 28 - 16

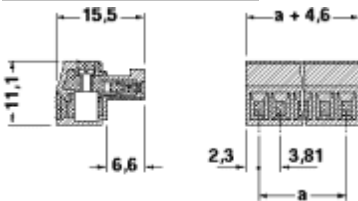
Articles printed in bold can be delivered at short notice.

Products with black or gray housing available on request.

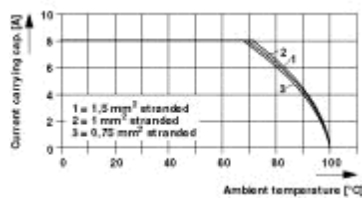
#### Note:

Only actuate MINI-COMBICON plug connectors when under no load condition. If for operating reasons small loads must be switched, experimental values are available on request.

#### Dimensional drawing



#### Diagram



Current carrying capacity depending on ambient temperature

Plug : MC 1,5/2-ST(F)-3,81(3,5)

Header : MC 1,5/2-ST(F)-3,81(3,5)

