

## IMC 1,5/ 8-STGF-3,81

Order No.: 1858099

The figure shows a 10-position version of the product



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1858099>

Plug component, Nominal current: 8 A, Nom. voltage: 160 V, Pitch:  
3.81 mm, Number of positions: 8, Connection type: Screw connection,  
Color: green

### Commercial data

|                          |                    |
|--------------------------|--------------------|
| EAN                      | 4017918144333      |
| Pack                     | 50 pcs.            |
| Customs tariff           | 85366990           |
| Weight/Piece             | 0.007346 KG        |
| Catalog page information | Page 149 (CC-2009) |

### Product notes

WEEE/RoHS-compliant since:  
01/01/2003



<http://www.download.phoenixcontact.com>  
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### Technical data

#### Dimensions / positions

|                     |          |
|---------------------|----------|
| Pitch               | 3.81 mm  |
| Dimension a         | 26.67 mm |
| Number of positions | 8        |
| Screw thread        | M2       |

|                        |         |
|------------------------|---------|
| Tightening torque, min | 0.22 Nm |
| Tightening torque max  | 0.25 Nm |

#### Technical data

|                                    |                                                        |
|------------------------------------|--------------------------------------------------------|
| 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/2)              | 160 V                                                  |
| Rated voltage (II/2)               | 320 V                                                  |
| Connection in acc. with standard   | EN-VDE                                                 |
| Nominal current $I_N$              | 8 A                                                    |
| Nominal voltage $U_N$              | 160 V                                                  |
| 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 acc. to UL 94 | V0                                                     |
| Internal cylindrical gage          | A1                                                     |
| Stripping length                   | 7 mm                                                   |

#### 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 stranded min.                                      | 0.14 mm <sup>2</sup> |
| Conductor cross section stranded max.                                      | 1.5 mm <sup>2</sup>  |
| Conductor cross section stranded, with ferrule without plastic sleeve min. | 0.25 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule without plastic sleeve max. | 1.5 mm <sup>2</sup>  |
| Conductor cross section stranded, with ferrule with plastic sleeve min.    | 0.25 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule with plastic sleeve max.    | 0.5 mm <sup>2</sup>  |
| Conductor cross section AWG/kcmil min.                                     | 28                   |
| Conductor cross section AWG/kcmil 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.   | 0.2 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>  |

#### Certificates / Approvals



Certification

CB, CUL, GOST, UL, VDE-PZI

#### CUL

|                                |       |
|--------------------------------|-------|
| Nominal voltage U <sub>N</sub> | 300 V |
| Nominal current I <sub>N</sub> | 8 A   |
| AWG/kcmil                      | 30-14 |

#### UL

|                                |       |
|--------------------------------|-------|
| Nominal voltage U <sub>N</sub> | 300 V |
| Nominal current I <sub>N</sub> | 8 A   |
| AWG/kcmil                      | 30-14 |

#### Accessories

| Item           | Designation   | Description                                                                                |
|----------------|---------------|--------------------------------------------------------------------------------------------|
| <b>General</b> |               |                                                                                            |
| 1834343        | KGG-MC 1,5/ 2 | Cable housing, Pitch: 3.81 mm, Number of positions: 2, Dimension a: 10.01 mm, Color: green |
| 1834385        | KGG-MC 1,5/ 6 | Cable housing, Pitch: 3.81 mm, Number of positions: 6, Dimension a: 25.25 mm, Color: green |

#### Marking

|         |                          |                                                                                                                                                                              |
|---------|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0804109 | SK 3,81/2,8:FORTL.ZAHLEN | Marker card, printed horizontally, self-adhesive, 10-section marker strip, 14 identical decades marked 1-10, 11-20 etc. up to 91-(99)100, sufficient for 140 terminal blocks |
|---------|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### Plug/Adapter

|         |         |                                                                                                   |
|---------|---------|---------------------------------------------------------------------------------------------------|
| 1734634 | CP-MSTB | Keying profile, is inserted into the slot on the plug or inverted header, red insulating material |
|---------|---------|---------------------------------------------------------------------------------------------------|

#### Tools

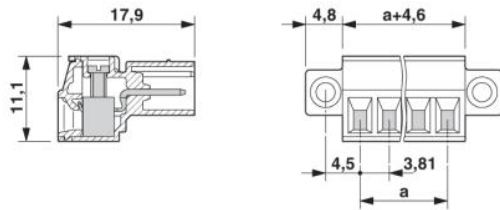
|         |             |                                                                                                                                |
|---------|-------------|--------------------------------------------------------------------------------------------------------------------------------|
| 1205037 | SZS 0,4X2,5 | Screwdriver, bladed, matches all screw terminal blocks up to 1.5 mm <sup>2</sup> connection cross section, blade: 0.4 x 2.5 mm |
|---------|-------------|--------------------------------------------------------------------------------------------------------------------------------|

#### Additional products

| Item           | Designation              | Description                                                                                                                                                                  |
|----------------|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General</b> |                          |                                                                                                                                                                              |
| 1851290        | FK-MCP 1,5/ 8-STF-3,81   | Plug component, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 8, Connection type: Spring-cage conn., Color: green                          |
| 1850916        | FRONT-MC 1,5/ 8-STF-3,81 | Plug component, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 8, Connection type: Screw connection, Color: green                           |
| 1827761        | MC 1,5/ 8-STF-3,81       | Plug component, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 8, Connection type: Screw connection, Color: green                           |
| 1852422        | MCC 1/ 8-STZF-3,81       | Plug component, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 8, Connection type: Crimp connection                                         |
| 1828401        | MCVR 1,5/ 8-STF-3,81     | Plug component, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 8, Connection type: Screw connection, Color: green                           |
| 1828553        | MCVW 1,5/ 8-STF-3,81     | Plug component, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 8, Connection type: Screw connection, Color: green                           |
| 1897607        | QC 0,5/ 8-STF-3,81       | Plug component, Nominal current: 6 A, Nom. voltage: 320 V, Pitch: 3.81 mm, Number of positions: 8, Connection type: Insulation displacement connection QUICKON, Color: green |

## Diagrams/Drawings

### Dimensioned drawing



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