

IMC 1,5/ 3-ST-3,81

Order No.: 1857896

The figure shows a 10-position version of the product

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1857896>

Plug component, Nominal current: 8 A, Nom. voltage: 160 V, Pitch:
3.81 mm, Number of positions: 3, Connection type: Screw connection,
Color: green

Commercial data

| | |
|--------------------------|--------------------|
| EAN | 4017918144135 |
| Pack | 50 pcs. |
| Customs tariff | 85366990 |
| Weight/Piece | 0.00273 KG |
| Catalog page information | Page 148 (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 | 7.62 mm |
| Number of positions | 3 |
| 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 ² |
| Maximum load current | 8 A (with 1.5 mm ² 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 ² |
| Conductor cross section solid max. | 1.5 mm ² |
| Conductor cross section stranded min. | 0.14 mm ² |
| Conductor cross section stranded max. | 1.5 mm ² |
| Conductor cross section stranded, with ferrule without plastic sleeve min. | 0.25 mm ² |
| Conductor cross section stranded, with ferrule without plastic sleeve max. | 1.5 mm ² |
| Conductor cross section stranded, with ferrule with plastic sleeve min. | 0.25 mm ² |
| Conductor cross section stranded, with ferrule with plastic sleeve max. | 0.5 mm ² |
| 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 ² |
| 2 conductors with same cross section, solid max. | 0.5 mm ² |

| | |
|---|----------------------|
| 2 conductors with same cross section, stranded min. | 0.08 mm ² |
| 2 conductors with same cross section, stranded max. | 0.75 mm ² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 0.2 mm ² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. | 0.34 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 0.5 mm ² |

Certificates / Approvals



Certification CB, CUL, GOST, UL, VDE-PZI

CUL

| | |
|--------------------------------|-------|
| Nominal voltage U _N | 300 V |
| Nominal current I _N | 8 A |
| AWG/kcmil | 30-14 |

UL

| | |
|--------------------------------|-------|
| Nominal voltage U _N | 300 V |
| Nominal current I _N | 8 A |
| AWG/kcmil | 30-14 |

Accessories

| Item | Designation | Description |
|----------------|---------------|--|
| General | | |
| 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

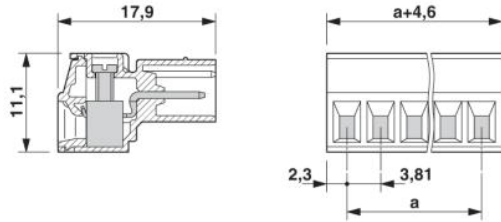
| | | |
|---------|-------------|--|
| 1205037 | SZS 0,4X2,5 | Screwdriver, bladed, matches all screw terminal blocks up to 1.5 mm ² connection cross section, blade: 0.4 x 2.5 mm |
|---------|-------------|--|

Additional products

| Item | Designation | Description |
|----------------|-------------------------|--|
| General | | |
| 1851054 | FK-MCP 1,5/ 3-ST-3,81 | Plug component, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 3, Connection type: Spring-cage conn., Color: green |
| 1850673 | FRONT-MC 1,5/ 3-ST-3,81 | Plug component, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 3, Connection type: Screw connection, Color: green |
| 1862580 | IMC 1,5/ 3-G-3,81 | Header, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 3, Color: green, Assembly: Soldering |
| 1875438 | IMCV 1,5/ 3-G-3,81 | Header, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 3, Color: green, Assembly: Soldering |
| 1803581 | MC 1,5/ 3-ST-3,81 | Plug component, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 3, Connection type: Screw connection, Color: green |
| 1852189 | MCC 1/ 3-STZ-3,81 | Plug component, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 3, Connection type: Crimp connection, Color: green |
| 1827130 | MCVR 1,5/ 3-ST-3,81 | Plug component, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 3, Connection type: Screw connection, Color: green |
| 1826982 | MCVW 1,5/ 3-ST-3,81 | Plug component, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 3, Connection type: Screw connection, Color: green |
| 1897403 | QC 0,5/ 3-ST-3,81 | Plug component, Nominal current: 6 A, Nom. voltage: 320 V, Pitch: 3.81 mm, Number of positions: 3, Connection type: Insulation displacement connection QUICKON, Color: green |

Diagrams/Drawings

Dimensioned drawing



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