

Printed-circuit board connector - IMC 1.5/12-ST-3.81 - 1857980

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Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 12, Pitch: 3.81 mm, Connection method: Screw connection, Color: green, Contact surface: Tin



The figure shows a 10-position version of the product

Why buy this product

- Possible combinations with IMC base strips for clear separation of PCB inputs/outputs
- Possible combinations with MC 1,5 plugs for free-hanging connections
- Pitch: 3.81 mm
- Individual position keying by connecting the keying profile to the inverted plug and removing the keying tab on the counterpart
- Use in shock-proof applications



Key commercial data

| | |
|------------------------|---|
| Packing unit | 1 |
| Minimum order quantity | 1 |
| Catalog page | Page 184 (CC-2011) |
| GTIN |  4 017918 144227 |
| Custom tariff number | 85366990 |
| Country of origin | POLAND |

Technical data

Dimensions / positions

| | |
|------------------------|----------|
| Pitch | 3.81 mm |
| Dimension a | 41.91 mm |
| Number of positions | 12 |
| Screw thread | M2 |
| Tightening torque, min | 0.22 Nm |
| Tightening torque max | 0.25 Nm |

Technical data

| | |
|---------------------------|---------------|
| Range of articles | IMC 1,5/..-ST |
| Insulating material group | I |

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Technical data

Technical data

| | |
|---|--|
| 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 according to UL 94 | V0 |
| Internal cylindrical gage | A1 |
| Stripping length | 7 mm |
| Nominal voltage, UL/CUL Use Group B | 300 V |
| Nominal current, UL/CUL Use Group B | 8 A |
| Nominal voltage, UL/CUL Use Group D | 300 V |
| Nominal current, UL/CUL Use Group D | 8 A |

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 |

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Technical data

Connection data

| | |
|---------------------------------|----|
| Minimum AWG according to UL/CUL | 30 |
| Maximum AWG according to UL/CUL | 14 |

Classifications

eclass

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

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 |

Approvals

Approvals

Approvals

UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / GOST / IECCEB Scheme / GOST / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

Printed-circuit board connector - IMC 1.5/12-ST-3.81 - 1857980

Approvals

UL Recognized

| | B | D |
|--------------------------------|-------|-------|
| mm ² /AWG/kcmil | 30-14 | 30-14 |
| Nominal current I _N | 8 A | 8 A |
| Nominal voltage U _N | 300 V | 300 V |

VDE Gutachten mit Fertigungsüberwachung

| | |
|--------------------------------|---------|
| mm ² /AWG/kcmil | 0.2-1.5 |
| Nominal current I _N | 8 A |
| Nominal voltage U _N | 160 V |

cUL Recognized

| | B | D |
|--------------------------------|-------|-------|
| mm ² /AWG/kcmil | 30-14 | 30-14 |
| Nominal current I _N | 8 A | 8 A |
| Nominal voltage U _N | 300 V | 300 V |

GOST

IECEE CB Scheme

| | |
|--------------------------------|---------|
| mm ² /AWG/kcmil | 0.2-1.5 |
| Nominal current I _N | 8 A |
| Nominal voltage U _N | 160 V |

GOST

cULus Recognized

Printed-circuit board connector - IMC 1.5/12-ST-3.81 - 1857980

Accessories

Accessories

Marking

Marker cards - SK 3,81/2,8:FORTL.ZAHLEN - 0804109



Marker cards, 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

Plug/Adapter

Coding profile - CP-MSTB - 1734634



Keying profile, is inserted into the slot on the plug or inverted header, red insulating material

Tools

Screwdriver - SZS 0,4X2,5 VDE - 1205037



Screwdriver, bladed, VDE insulated, size: 0.4 x 2.5 x 80 mm, 2-component grip, with non-slip grip

Additional products

Printed-circuit board connector - MCVW 1,5/12-ST-3,81 - 1827075



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Printed-circuit board connector - MCVR 1,5/12-ST-3,81 - 1827224

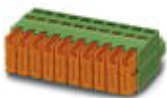


Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 12, Pitch: 3.81 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

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Accessories

Printed-circuit board connector - QC 0,5/12-ST-3,81 - 1897490



Plug component, Nominal current: 6 A, Rated voltage (III/2): 200 V, Number of positions: 12, Pitch: 3.81 mm, Connection method: Insulation displacement connection QUICKON, Color: green, Contact surface: Tin

Base strip - IMCV 1,5/12-G-3,81 - 1875522



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 12, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Assembly: Soldering

Printed-circuit board connector - FRONT-MC 1,5/12-ST-3,81 - 1850767



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 12, Pitch: 3.81 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

Printed-circuit board connector - MC 1,5/12-ST-3,81 - 1803675



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 12, Pitch: 3.81 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

Printed-circuit board connector - MCC 1/12-STZ-3,81 - 1852273



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 12, 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)

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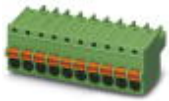
Accessories

Base strip - IMC 1,5/12-G-3,81 - 1862674



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 12, Pitch: 3.81 mm, Color: green, Contact surface: Tin, Assembly: Soldering

Printed-circuit board connector - FK-MCP 1,5/12-ST-3,81 - 1851148



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 12, Pitch: 3.81 mm, Connection method: Spring-cage conn., Color: green, Contact surface: Tin

Drawings

Dimensioned drawing

