Printed-circuit board connector - FKC 2.5/3-ST - 1910364

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Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5 mm, Connection method: Spring-cage conn., Color: green, Contact surface: Tin

The figure shows a 10-position version of the product

Product description
Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5 mm, Connection method: Spring-cage conn., Color: green, Contact surface: Tin

Why buy this product
- For larger numbers of positions up to 24-pos., visit: www.phoenixcontact.net/catalog
- Can be combined with the MSTB 2,5 range
- Fast conductor connection thanks to Push-in spring-cage connection
- Contacting of solid or stranded conductors with ferrules without actuating the opening lever directly in the terminal point
- Two test connections for accommodating 2 mm Ø test pins or 2.3 mm Ø test plug

Key commercial data

| Packing unit | 1 |
| Minimum order quantity | 50 |
| Catalog page | Page 248 (CC-2011) |
| GTIN | 40179181175146 |
| Weight per piece (including packing) | 0.0 GRM |
| Weight per Piece (excluding packing) | 4.97 GRM |
| Country of origin | GERMANY |

Technical data

Dimensions / positions

| Pitch | 5 mm |
| Dimension a | 10 mm |
| Number of positions | 3 |

Technical data

Range of articles | FKC 2,5/…-ST |
### Technical data

#### Insulating material group
- I

#### Rated surge voltage (III/3)
- 4 kV

#### Rated surge voltage (II/2)
- 4 kV

#### Rated surge voltage (II/2)
- 4 kV

#### Rated voltage (III/2)
- 320 V

#### Rated voltage (II/2)
- 630 V

#### Connection in acc. with standard
- EN-VDE

#### Nominal current IN
- 12 A

#### Nominal voltage UN
- 250 V

#### Nominal cross section
- 2.5 mm²

#### Maximum load current
- 12 A

#### Insulating material
- PA

#### Inflammability class according to UL 94
- V0

#### Internal cylindrical gage
- A2

#### Stripping length
- 10 mm

#### Nominal voltage, UL/CUL Use Group B
- 250 V

#### Nominal current, UL/CUL Use Group B
- 10 A

#### Nominal voltage, UL/CUL Use Group D
- 300 V

#### Nominal current, UL/CUL Use Group D
- 10 A

### Connection data

#### Conductor cross section solid min.
- 0.2 mm²

#### Conductor cross section solid max.
- 2.5 mm²

#### Conductor cross section stranded min.
- 0.2 mm²

#### Conductor cross section stranded max.
- 2.5 mm²

#### Conductor cross section stranded, with ferrule without plastic sleeve min.
- 0.25 mm²

#### Conductor cross section stranded, with ferrule without plastic sleeve max.
- 2.5 mm²

#### Conductor cross section stranded, with ferrule with plastic sleeve min.
- 0.25 mm²

#### Conductor cross section stranded, with ferrule with plastic sleeve max.
- 2.5 mm²

#### Conductor cross section AWG/kcmil min.
- 24

#### Conductor cross section AWG/kcmil max
- 12

#### 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.
- 0.5 mm²

#### 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.
- 1.5 mm²

#### Minimum AWG according to UL/CUL
- 26

#### Maximum AWG according to UL/CUL
- 12
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Classifications

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Approvals

Certificates

Certification

CSA / UL Recognized / VDE report with production monitoring / cUL Recognized / GOST / IECEE CB Scheme / GOST / cULus Recognized

Certification EX

Certification submitted

Approval details

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VDE report with production monitoring

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cUL Recognized

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GOST

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cULus Recognized

Accessories

Accessories

Assembly

Strain relief - STZ 4-FKC-5,08 - 1876877
Strain relief for snapping into the latching chambers of the plugs, 4-pos.

Strain relief - STZ 8-FKC-5,08 - 1876880
Strain relief for snapping into the latching chambers of the plug components, 8-pos.
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Accessories

Marking

Marker cards - SK 5/3,8:FORTL.ZAHLEN - 0804183

Marker cards, Card, white, Labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - (99)100, Mounting type: H Type

Plug/Adapter

Coding profile - CP-MSTB - 1734634

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

Test plugs - MPS-MT - 0201744

Test plugs

Reducing plug - RPS - 0201647

Reducing plug, Color: gray

Tools

Screwdriver - SZS 0,6X3,5 - 1205053

Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

Additional products
Printed-circuit board connector - FKC 2.5/3-ST - 1910364

Accessories

Base strip - DFK-MSTB 2,5/ 3-G - 0707112
Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5 mm, Connection method: Direct mounting, Accessory order no. 5030172 can only be used in conjunction with MSTB 2,5/...ST and MSTBT 2,5/...ST.

Base strip - MSTBW 2,5/ 3-G - 1736108
Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering

Base strip - MSTBVA 2,5/ 3-G - 1755529
Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering

Base strip - MSTBV 2,5/ 3-G - 1753453
Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering

Base strip - MSTB 2,5/ 3-G - 1754452
Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering

Base strip - MDSTBVA 2,5/ 3-G - 1845798
Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering
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Accessories

Base strip - MDSTBA 2,5/ 3-G - 1846522
Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Press-in

Base strip - EMSTBA 2,5/ 3-G - 1899854
Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Press-in

Base strip - EMSTBVA 2,5/ 3-G - 1914865
Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Press-in

Base strip - MSTBA 2,5/ 3-G-LA - 1770494
Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering

Base strip - MSTBA 2,5/ 3-G - 1757488
Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering
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Accessories

Base strip - MSTB 2,5/ 3-G-LA - 1768192
- Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering

Base strip - MDSTBW 2,5/ 3-G - 1802427
- Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering

Base strip - MDSTBV 2,5/ 3-G - 1763045
- Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering

Base strip - MDSTBV 2,5/ 3-G1 - 1736726
- Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering

Base strip - MDSTB 2,5/ 3-G - 1762059
- Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering

Base strip - MDSTB 2,5/ 3-G1 - 1736687
- Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering
Printed-circuit board connector - FKC 2.5/3-ST - 1910364

Accessories

Base strip - SMSTBA 2,5/ 3-G - 1769816
Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5 mm, Color: green, Contact surface:

Drawings

Dimensioned drawing

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