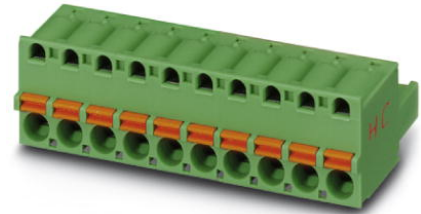


## FKC 2,5 HC/ 6-ST

Order No.: 1942196

The figure shows a 10-position version of the product

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1942196>

Plug component, Nominal current: 16 A, Nom. voltage: 250 V, Pitch:  
5 mm, Number of positions: 6, Connection type: Spring-cage conn.,  
Color: green

### Commercial data

|                          |                    |
|--------------------------|--------------------|
| EAN                      | 4017918878122      |
| Pack                     | 50 pcs.            |
| Customs tariff           | 85366990           |
| Weight/Piece             | 0.01091 KG         |
| Catalog page information | Page 352 (CC-2009) |

### Product notes

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



<http://www.download.phoenixcontact.com>  
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

### Technical data

#### Dimensions / positions

|                     |       |
|---------------------|-------|
| Pitch               | 5 mm  |
| Dimension a         | 25 mm |
| Number of positions | 6     |

**Technical data**

|                                    |   |
|------------------------------------|---|
| Insulating material group          | I   |
| Rated surge voltage (III/3)        | 4 kV  |
| Rated surge voltage (III/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 $I_N$              | 16 A  |
| Nominal voltage $U_N$              | 250 V   |
| Nominal cross section              | 2.5 mm <sup>2</sup>                                     |
| Maximum load current               | 16 A (with 2.5 mm <sup>2</sup> conductor cross section) |
| Insulating material                | PA  |
| Inflammability class acc. to UL 94 | V0  |
| Internal cylindrical gage          | A2  |
| Stripping length                   | 10 mm   |

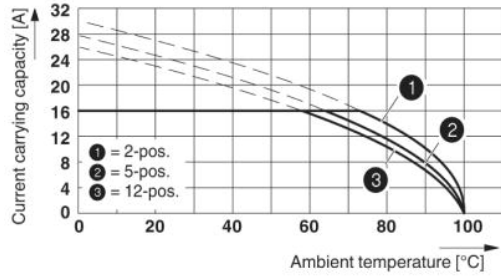
**Connection data**

|   |                      |
|---|----------------------|
| Conductor cross section solid min.  | 0.2 mm <sup>2</sup>  |
| Conductor cross section solid max.  | 2.5 mm <sup>2</sup>  |
| Conductor cross section stranded min.   | 0.2 mm <sup>2</sup>  |
| Conductor cross section stranded max.   | 2.5 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.              | 2.5 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.                 | 1.5 mm <sup>2</sup>  |
| 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 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 1.5 mm <sup>2</sup>  |

| <b>Accessories</b>  |                       |   |
|---------------------|-----------------------|---|
| Item                | Designation           | Description   |
| <b>Assembly</b>     |                       |   |
| 1876880             | STZ 8-FKC-5,08        | Strain relief for snapping into the latching chambers of the plug components, 8-pos.  |
| 1876877             | STZ 4-FKC-5,08        | Strain relief for snapping into the latching chambers of the plugs, 4-pos.  |
| <b>Marking</b>      |                       |   |
| 0804183             | SK 5/3,8:FORTL.ZAHLEN | Marker card, printed horizontally, self-adhesive, 12 identical decades marked 1-10, 11-20 etc. up to 91-(99)100, sufficient for 120 terminal blocks                         |
| 0805072             | SK 5/3,8:SO           | Marker card, special printing, self-adhesive, labeled acc. to customer requirements, 12 identical marker strips per card, max. 25-position labeling per strip, color: white |
| 0805409             | SK 5/3,8:UNBEDRUCKT   | Marker cards, unprinted, with pitch divisions, self-adhesive, 10-section marker strips, 12 strips per card, can be labeled with the M-PEN                                   |
| <b>Plug/Adapter</b> |                       |   |
| 1734634             | CP-MSTB               | Keying profile, is inserted into the slot on the plug or inverted header, red insulating material   |
| 0201731             | MPS-IH BK             | Insulating sleeve, for MPS metal part, Color: black   |
| 0201689             | MPS-IH BU             | Insulating sleeve, for MPS metal part, Color: blue  |
| 0201702             | MPS-IH GN             | Insulating sleeve, for MPS metal part, Color: green   |
| 0201728             | MPS-IH GY             | Insulating sleeve, for MPS metal part, Color: gray  |
| 0201676             | MPS-IH RD             | Insulating sleeve, for MPS metal part, Color: red   |
| 0201715             | MPS-IH VT             | Insulating sleeve, for MPS metal part, Color: violet  |
| 0201663             | MPS-IH WH             | Insulating sleeve, for MPS metal part, Color: white   |
| 0201692             | MPS-IH YE             | Insulating sleeve, for MPS metal part, Color: yellow  |
| 0201744             | MPS-MT                | Metal part for test connector   |
| 0201647             | RPS                   | Reducing plug, Color: gray  |
| <b>Tools</b>        |                       |   |
| 1205053             | SZS 0,6X3,5           | Screwdriver, bladed, matches all screw terminal blocks up to 4.0 mm <sup>2</sup> connection cross section, blade: 0.6 x 3.5 mm, without VDE approval                        |

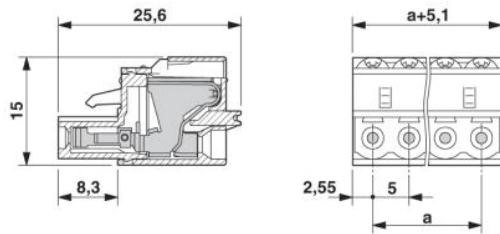
## Drawings

### Diagram



Derating curve for: FKC 2,5 HC/...ST with MSTBA 2,5 HC/...G

### Dimensioned drawing



**Address**

PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg, Germany  
Phone +49 5235 3 00  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>



© 2009 Phoenix Contact  
Technical modifications reserved;