

## IC 2,5/ 5-ST-5,08

Order No.: 1786200

The figure shows a 10-position version of the product



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1786200>

Plug component, Nominal current: 12 A, Nom. voltage: 250 V, Pitch:  
5.08 mm, Number of positions: 5, Connection type: Screw connection,  
Color: green

### Commercial data

|                          |                    |
|--------------------------|--------------------|
| EAN                      | 4017918042356      |
| Pack                     | 50 pcs.            |
| Customs tariff           | 85366990           |
| Weight/Piece             | 0.008744 KG        |
| Catalog page information | Page 208 (CC-2009) |

### Product notes

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



[http://  
www.download.phoenixcontact.com](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               | 5.08 mm  |
| Dimension a         | 20.32 mm |
| Number of positions | 5        |
| Screw thread        | M3       |

|                        |        |
|------------------------|--------|
| Tightening torque, min | 0.5 Nm |
| Tightening torque max  | 0.6 Nm |

#### 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 $I_N$              | 12 A                |
| Nominal voltage $U_N$              | 250 V               |
| Nominal cross section              | 2.5 mm <sup>2</sup> |
| Maximum load current               | 12 A                |
| Insulating material                | PA                  |
| Inflammability class acc. to UL 94 | V0                  |
| Internal cylindrical gage          | A3                  |
| Stripping length                   | 7 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.    | 2.5 mm <sup>2</sup>  |
| Conductor cross section AWG/kcmil min.                                     | 24                   |
| Conductor cross section AWG/kcmil max                                      | 12                   |
| 2 conductors with same cross section, solid min.                           | 0.2 mm <sup>2</sup>  |
| 2 conductors with same cross section, solid max.                           | 1 mm <sup>2</sup>    |

|                                                                                         |                      |
|-----------------------------------------------------------------------------------------|----------------------|
| 2 conductors with same cross section, stranded min.                                     | 0.2 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded max.                                     | 1.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.   | 0.25 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.   | 1 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. | 1.5 mm <sup>2</sup>  |

#### Certificates / Approvals



Certification

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

#### CSA

|                                |       |
|--------------------------------|-------|
| Nominal voltage U <sub>N</sub> | 300 V |
| Nominal current I <sub>N</sub> | 10 A  |
| AWG/kcmil                      | 28-12 |

#### CUL

|                                |       |
|--------------------------------|-------|
| Nominal voltage U <sub>N</sub> | 300 V |
| Nominal current I <sub>N</sub> | 10 A  |
| AWG/kcmil                      | 30-12 |

#### UL

|                                |       |
|--------------------------------|-------|
| Nominal voltage U <sub>N</sub> | 300 V |
| Nominal current I <sub>N</sub> | 10 A  |
| AWG/kcmil                      | 30-12 |

#### Accessories

| Item            | Designation | Description                                                                        |
|-----------------|-------------|------------------------------------------------------------------------------------|
| <b>Assembly</b> |             |                                                                                    |
| 1755477         | MSTB-BL     | Keying cap, for forming sections, plugs onto header pin, green insulating material |

#### General

|         |                 |                                                                                                       |
|---------|-----------------|-------------------------------------------------------------------------------------------------------|
| 1733169 | EBP 2- 5        | Insertion bridge, fully insulated, for plug connectors with 5.0 or 5.08 mm pitch, no. of positions: 2 |
| 1803934 | KGG-MSTB 2,5/ 2 | Cable housing, Number of positions: 2, Dimension a: 10 mm, Color: green                               |
| 1783779 | KGS-MSTB 2,5/ 8 | Cable housing, Number of positions: 8, Dimension a: 40 mm, Color: green                               |

#### Marking

|         |                          |                                                                                                                                                     |
|---------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| 0804293 | SK 5,08/3,8: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 |
|---------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|

#### Plug/Adapter

|         |         |                                                                                                      |
|---------|---------|------------------------------------------------------------------------------------------------------|
| 1734401 | CR-MSTB | Coding section, inserted into the recess in the header or the inverted plug, red insulating material |
|---------|---------|------------------------------------------------------------------------------------------------------|

#### Tools

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

#### Additional products

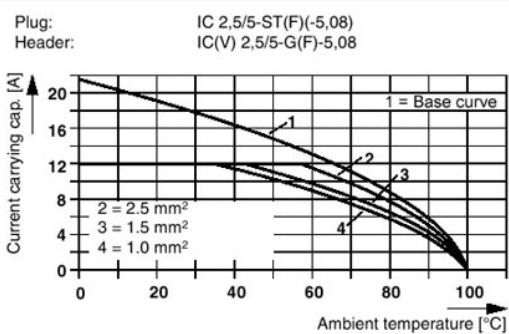
| Item           | Designation               | Description                                                                                                                                          |
|----------------|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General</b> |                           |                                                                                                                                                      |
| 1872729        | A-ICV 2,5/ 5-G-5,08       | Base strip, Nominal current: 12 A, Nominal voltage: 250 V, Mounting type: DIN rail mounting, Number of positions: 5, Pitch: 5.08 mm, Color: green    |
| 1873087        | FKC 2,5/ 5-ST-5,08        | Plug component, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 5, Connection type: Spring-cage conn., Color: green |
| 1902149        | FKCT 2,5/ 5-ST-5,08       | Plug component, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 5, Connection type: Spring-cage conn., Color: green |
| 1873980        | FKCVR 2,5/ 5-ST-5,08      | Plug component, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 5, Connection type: Spring-cage conn., Color: green |
| 1873689        | FKCVW 2,5/ 5-ST-5,08      | Plug component, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 5, Connection type: Spring-cage conn., Color: green |
| 1777316        | FRONT-MSTB 2,5/ 5-ST-5,08 | Plug component, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 5, Connection type: Screw connection, Color: green  |

|         |                        |                                                                                                                                                                                |
|---------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1786433 | IC 2,5/ 5-G-5,08       | Header, Nominal current: 12 A, Nom. voltage: 320 V, Pitch: 5.08 mm, Number of positions: 5, Color: green, Assembly: Soldering                                                  |
| 1785971 | ICV 2,5/ 5-G-5,08      | Header, Nominal current: 12 A, Nom. voltage: 320 V, Pitch: 5.08 mm, Number of positions: 5, Color: green, Assembly: Soldering                                                  |
| 1757048 | MSTB 2,5/ 5-ST-5,08    | Plug component, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 5, Connection type: Screw connection, Color: green                            |
| 1776142 | MSTB 2,5/ 5-STZ-5,08   | Plug component, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 5, Connection type: Screw connection, Color: green                            |
| 1808845 | MSTBC 2,5/ 5-ST-5,08   | Plug component, Nominal current: 12 A, Nom. voltage: 320 V, Pitch: 5.08 mm, Number of positions: 5, Connection type: Crimp connection, Color: green                            |
| 1809530 | MSTBC 2,5/ 5-STZ-5,08  | Plug component, Nominal current: 12 A, Nom. voltage: 320 V, Pitch: 5.08 mm, Number of positions: 5, Connection type: Crimp connection, Color: green                            |
| 1769049 | MSTBP 2,5/ 5-ST-5,08   | Plug component, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 5, Connection type: Screw connection, Color: green                            |
| 1781014 | MSTBT 2,5/ 5-ST-5,08   | Plug component, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 5, Connection type: Screw connection, Color: green                            |
| 1824159 | MSTBU 2,5/ 5-STD-5,08  | Plug component, Nominal current: 12 A, Nom. voltage: 320 V, Pitch: 5.08 mm, Number of positions: 5, Connection type: Screw connection, Assembly: Direct mounting, Color: green |
| 1831346 | MSTBVK 2,5/ 5-ST-5,08  | Plug component, Nominal current: 12 A, Nom. voltage: 320 V, Pitch: 5.08 mm, Number of positions: 5, Connection type: Screw connection, Assembly: DIN rail, Color: green        |
| 1792278 | MVSTBR 2,5/ 5-ST-5,08  | Plug component, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 5, Connection type: Screw connection, Color: green                            |
| 1792786 | MVSTBW 2,5/ 5-ST-5,08  | Plug component, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 5, Connection type: Screw connection, Color: green                            |
| 1883284 | QC 1/ 5-ST-5,08        | Plug component, Nominal current: 10 A, Nom. voltage: 500 V, Pitch: 5.08 mm, Number of positions: 5, Connection type: Insulation displacement connection QUICKON, Color: green  |
| 1826319 | SMSTB 2,5/ 5-ST-5,08   | Plug component, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 5, Connection type: Screw connection, Color: green                            |
| 1853049 | TMSTBP 2,5/ 5-ST-5,08  | Plug component, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 5, Connection type: Screw connection, Color: green                            |
| 1833849 | UMSTBVK 2,5/ 5-ST-5,08 | Plug component, Nominal current: 12 A, Nom. voltage: 320 V, Pitch: 5.08 mm, Number of positions: 5, Connection type: Screw connection, Assembly: DIN rail, Color: green        |

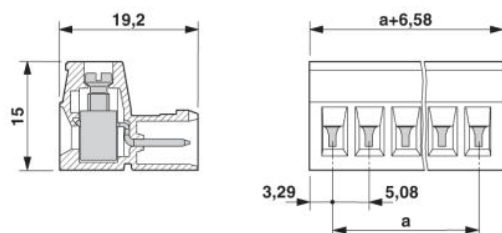
|         |                   |                                                                                                                                                                              |
|---------|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1873029 | ZFKK 1,5-ICV-5,08 | Feed-through modular terminal block, Connection method: Special and hybrid connection, Cross section: 0.2 mm <sup>2</sup> - 2.5 mm <sup>2</sup> , Width: 5.1 mm, Color: gray |
|---------|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Diagrams/Drawings

### Diagram



### Dimensioned drawing



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