

## IC 2,5/16-STGF-5,08

Order No.: 1825640

The figure shows a 10-position version of the product



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1825640>

Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V,  
Number of positions: 16, Pitch: 5.08 mm, Connection method: Screw  
connection, Color: Green

### Commercial data

|                          |                                                                                                        |
|--------------------------|--------------------------------------------------------------------------------------------------------|
| GTIN (EAN)               | <br>4 017918 049805 |
| sales group              | E131                                                                                                   |
| Pack                     | 50 pcs.                                                                                                |
| Customs tariff           | 85366990                                                                                               |
| Catalog page information | Page 247 (CC-2011)                                                                                     |

### Product notes

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



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### Technical data

#### Dimensions / positions

|                     |         |
|---------------------|---------|
| Pitch               | 5.08 mm |
| Dimension a         | 76.2 mm |
| Number of positions | 16      |
| Screw thread        | M3      |

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

#### Technical data

|                                     |                     |
|-------------------------------------|---------------------|
| Range of articles                   | IC 2,5/..-STGF      |
| 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                |
| Nominal voltage, UL/CUL Use Group B | 250 V               |
| Nominal current, UL/CUL Use Group B | 12 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 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>  |
| Minimum AWG according to UL/CUL                                                         | 30                   |
| Maximum AWG according to UL/CUL                                                         | 12                   |

#### Certificates / Approvals



Certification

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

#### Accessories

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

#### Assembly

|         |         |                                                                                    |
|---------|---------|------------------------------------------------------------------------------------|
| 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                                             |
| 1852163 | IC-DFR 16 | accessories, Number of positions: 16, Pitch: 5.08 mm, Color: Green, This assembly frame can only be used in combination with IC 2,5/...-STGF-5,08 |

|         |                 |                                                                                       |
|---------|-----------------|---------------------------------------------------------------------------------------|
| 1783850 | KGS-MSTB 2,5/16 | Cable housing, Pitch: 0 mm, Number of positions: 16, Dimension a: 80 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 | 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 |
|---------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|

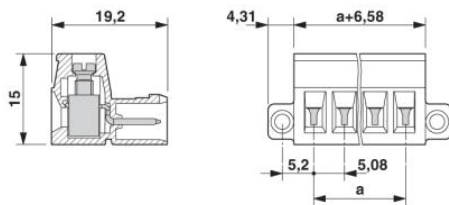
#### Additional products

| Item           | Designation                | Description                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General</b> |                            |                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 1873346        | FKC 2,5/16-STF-5,08        | Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 16, Pitch: 5.08 mm, Connection method: Spring-cage conn., Color: Green                                                                                                                                                                                                                                                            |
| 1902440        | FKCT 2,5/16-STF-5,08       | Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 16, Pitch: 5.08 mm, Connection method: Spring-cage conn., Color: Green                                                                                                                                                                                                                                                            |
| 1874248        | FKCVR 2,5/16-STF-5,08      | Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 16, Pitch: 5.08 mm, Connection method: Spring-cage conn., Color: Green                                                                                                                                                                                                                                                            |
| 1873948        | FKCVW 2,5/16-STF-5,08      | Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 16, Pitch: 5.08 mm, Connection method: Spring-cage conn., Color: Green                                                                                                                                                                                                                                                            |
| 1777934        | FRONT-MSTB 2,5/16-STF-5,08 | Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 16, Pitch: 5.08 mm, Connection method: Screw connection, Color: Green                                                                                                                                                                                                                                                             |
| 1778124        | MSTB 2,5/16-STF-5,08       | Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 16, Pitch: 5.08 mm, Connection method: Screw connection, Color: Green                                                                                                                                                                                                                                                             |
| 1809873        | MSTBC 2,5/16-STZF-5,08     | Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 16, Pitch: 5.08 mm, Connection method: Crimp connection, Color: Green, Corresponding female crimp contacts with current [A] and conductor cross section range [mm²] data: 10A/MSTBC-MT 0,5-1,0 (3190564); 10A/MSTBC-MT 0,5-1,0 BA (3190645); 12A/MSTBC-MT 1,5-2,5 (3190551); 12A/MSTBC-MT 1,5-2,5 BA (3190658). BA = Bandkontakte |

|         |                        |                                                                                                                                                                                           |
|---------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1805437 | MSTBT 2,5/16-STF-5,08  | Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 16, Pitch: 5.08 mm, Connection method: Screw connection, Color: Green                           |
| 1835232 | MVSTBR 2,5/16-STF-5,08 | Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 16, Pitch: 5.08 mm, Connection method: Screw connection, Color: Green                           |
| 1835041 | MVSTBW 2,5/16-STF-5,08 | Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 16, Pitch: 5.08 mm, Connection method: Screw connection, Color: Green                           |
| 1883899 | QC 1/16-STF-5,08       | Plug component, Nominal current: 10 A, Rated voltage (III/2): 630 V, Number of positions: 16, Pitch: 5.08 mm, Connection method: Insulation displacement connection QUICKON, Color: Green |

## Diagrams/Drawings

### Dimensioned drawing



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