

## ICC 2,5/12-STZ-5,08

Order No.: 1823943

The illustration shows a 15-position version



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1823943>

Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Corresponding male crimp contacts with current [A] and conductor cross section range [mm<sup>2</sup>] data: 10A/ICC-MT 0,5-1,0 (3190577); 10A/ICC-MT 0,5-1,0 BA (3190603); 12A/ICC-MT 1,5-2,5 (3190580); 12A/ICC-MT 1,5-2,5 BA (3190593). BA = Bandkontakte

### Commercial data

|                          |                    |
|--------------------------|--------------------|
| GTIN (EAN)               | 4017918048792      |
| Note                     | Made-to-order      |
| sales group              | E134               |
| Pack                     | 50 pcs.            |
| Customs tariff           | 85366990           |
| Weight/Piece             | 0.00773 KG         |
| Catalog page information | Page 232 (CC-2009) |

### Product notes

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



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### Technical data

#### Dimensions / positions

|             |          |
|-------------|----------|
| Pitch       | 5.08 mm  |
| Dimension a | 55.88 mm |

|                                     |                     |
|-------------------------------------|---------------------|
| Number of positions                 | 12                  |
| <b>Technical data</b>               |                     |
| 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                  |
| 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                |

|                                        |                     |
|----------------------------------------|---------------------|
| <b>Connection data</b>                 |                     |
| Conductor cross section stranded min.  | 0.5 mm <sup>2</sup> |
| Conductor cross section stranded max.  | 2.5 mm <sup>2</sup> |
| Conductor cross section AWG/kcmil min. | 20                  |
| Conductor cross section AWG/kcmil max  | 14                  |
| Minimum AWG according to UL/CUL        | 20                  |
| Maximum AWG according to UL/CUL        | 14                  |

#### Certificates / Approvals



Certification

CB, CSA, CUL, UL, VDE-PZI

#### CSA

|                       |       |
|-----------------------|-------|
| Nominal voltage $U_N$ | 300 V |
| Nominal current $I_N$ | 10 A  |
| AWG/kcmil             | 20-14 |

#### CUL

|                       |       |
|-----------------------|-------|
| Nominal voltage $U_N$ | 300 V |
| Nominal current $I_N$ | 10 A  |
| AWG/kcmil             | 20-14 |

#### UL

|                       |       |
|-----------------------|-------|
| Nominal voltage $U_N$ | 300 V |
| Nominal current $I_N$ | 10 A  |
| AWG/kcmil             | 20-14 |

#### Accessories

| Item           | Designation              | Description                                                                                                                                                                  |
|----------------|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Marking</b> |                          |                                                                                                                                                                              |
| 0804280        | SK 5,08/2,8:FORTL.ZAHLEN | Marker card, printed horizontally, self-adhesive, 10-section marker strip, 14 identical decades marked 1-10, 11-20 etc. up to 91-(99)100, sufficient for 140 terminal blocks |

#### Plug/Adapter

|         |                   |                                                                                                                                                                  |
|---------|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3190577 | ICC-MT 0,5-1,0    | Module male contact, is inserted into the ICC connector shell after the conductor has been crimped, for conductors from 0.5-1.0 mm <sup>2</sup>                  |
| 3190603 | ICC-MT 0,5-1,0 BA | Module male contact, is inserted into the ICC connector shell after the conductor has been crimped, for conductors from 0.5-1.0 mm <sup>2</sup> , ribbon contact |
| 3190580 | ICC-MT 1,5-2,5    | Module male contact, is inserted into the ICC connector shell after the conductor has been crimped, for conductors from 1.5-2.5 mm <sup>2</sup>                  |
| 3190593 | ICC-MT 1,5-2,5 BA | Module male contact, is inserted into the ICC connector shell after the conductor has been crimped, for conductors from 1.5-2.5 mm <sup>2</sup> , ribbon contact |
| 1810529 | STZ 2-MSTBC-5,08  | Strain relief for snapping into the latching chambers of the plug components, 2-pos., labeling with ZB 6                                                         |
| 1810532 | STZ 4-MSTBC-5,08  | Strain relief for snapping into the latching chambers of the plug components, 4-pos., labeling with ZB 6                                                         |
| 1810516 | STZ 8-MSTBC-5,08  | Strain relief for snapping into the latching chambers of the plug components, 8-pos., labeling with ZB 6                                                         |
| 1810503 | STZ 12-MSTBC-5,08 | Strain relief for snapping into the latching chambers of the plug components, 12-pos., labeling with ZB 6                                                        |

#### Tools

|         |                 |                                                                                                                                   |
|---------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------|
| 1204038 | CRIMPFOX MT 2,5 | Crimping pliers, for crimping conductors to the module female contacts STG-MTN, crimp range: 0.5-2.5 mm <sup>2</sup> , AWG: 20-14 |
| 1205037 | SZS 0,4X2,5     | Screwdriver, bladed, matches all screw terminal blocks up to 1.5 mm <sup>2</sup> connection cross section, blade: 0.4 x 2.5 mm    |

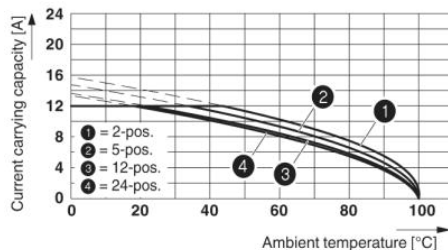
#### Additional products

| Item           | Designation               | Description                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General</b> |                           |                                                                                                                                                                                                                                                                                                                                                                                               |
| 1872790        | A-ICV 2,5/12-G-5,08       | Base strip, Nominal current: 12 A, Nominal voltage: 250 V, Mounting type: DIN rail mounting, Number of positions: 12, Pitch: 5.08 mm, Color: green                                                                                                                                                                                                                                            |
| 1873155        | FKC 2,5/12-ST-5,08        | Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Pitch: 5.08 mm, Color: green, Metal surface: Sn                                                                                                                                                                                                                                                                          |
| 1902217        | FKCT 2,5/12-ST-5,08       | Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Pitch: 5.08 mm, Color: green, Metal surface: Sn                                                                                                                                                                                                                                                                          |
| 1874057        | FKCVR 2,5/12-ST-5,08      | Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Pitch: 5.08 mm, Color: green, Metal surface: Sn                                                                                                                                                                                                                                                                          |
| 1873757        | FKCVW 2,5/12-ST-5,08      | Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Pitch: 5.08 mm, Color: green, Metal surface: Sn                                                                                                                                                                                                                                                                          |
| 1777387        | FRONT-MSTB 2,5/12-ST-5,08 | Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Pitch: 5.08 mm, Color: green, Metal surface: Sn                                                                                                                                                                                                                                                                          |
| 1786501        | IC 2,5/12-G-5,08          | Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: Soldering                                                                                                                                                                                                                                                             |
| 1786048        | ICV 2,5/12-G-5,08         | Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: Soldering                                                                                                                                                                                                                                                             |
| 1757116        | MSTB 2,5/12-ST-5,08       | Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Pitch: 5.08 mm, Color: green, Metal surface: Sn                                                                                                                                                                                                                                                                          |
| 1764280        | MSTB 2,5/12-STZ-5,08      | Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Pitch: 5.08 mm, Color: green, Metal surface: Sn                                                                                                                                                                                                                                                                          |
| 1808913        | MSTBC 2,5/12-ST-5,08      | Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Corresponding female crimp contacts with current [A] and conductor cross section range [mm <sup>2</sup> ] 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 |
| 1809608        | MSTBC 2,5/12-STZ-5,08     | Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Corresponding female crimp contacts with current [A] and conductor cross section range [mm <sup>2</sup> ] 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 |

|         |                         |                                                                                                                                                                                                                                                                                                                                                                                               |
|---------|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1809145 | MSTBC 2,5/12-STZ-5,08-R | Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Corresponding female crimp contacts with current [A] and conductor cross section range [mm <sup>2</sup> ] 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 |
| 1769117 | MSTBP 2,5/12-ST-5,08    | Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Pitch: 5.08 mm, Color: green, Metal surface: Sn                                                                                                                                                                                                                                                                          |
| 1781085 | MSTBT 2,5/12-ST-5,08    | Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Pitch: 5.08 mm, Color: green, Metal surface: Sn                                                                                                                                                                                                                                                                          |
| 1824227 | MSTBU 2,5/12-STD-5,08   | Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: Direct mounting                                                                                                                                                                                                                                               |
| 1831414 | MSTBVK 2,5/12-ST-5,08   | Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: DIN rail                                                                                                                                                                                                                                                      |
| 1792346 | MVSTBR 2,5/12-ST-5,08   | Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Pitch: 5.08 mm, Color: green, Metal surface: Sn                                                                                                                                                                                                                                                                          |
| 1792854 | MVSTBW 2,5/12-ST-5,08   | Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Pitch: 5.08 mm, Color: green, Metal surface: Sn                                                                                                                                                                                                                                                                          |
| 1883705 | QC 1/12-ST-5,08         | Plug component, Nominal current: 10 A, Rated voltage (III/2): 630 V, Pitch: 5.08 mm, Color: green, Metal surface: Sn                                                                                                                                                                                                                                                                          |
| 1826380 | SMSTB 2,5/12-ST-5,08    | Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Pitch: 5.08 mm, Color: green, Metal surface: Sn                                                                                                                                                                                                                                                                          |
| 1833917 | UMSTBVK 2,5/12-ST-5,08  | Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: DIN rail                                                                                                                                                                                                                                                      |
| 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

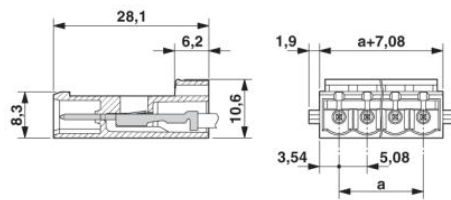
### Diagram



**Type: ICC 2,5/...-ST-5,08 with IC 2,5/...-G-5,08; contact: ICC-MT 1,5 - 2,5**

Dimensioned drawing

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