# Printed-circuit board connector - ICC 2,5/ 2-STZFD-5,08 - 1823613

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The figure shows an 10-position version

PCB connector, nominal current: 12 A, rated voltage (III/2): 320 V, nominal cross section: 2.5 mm², number of positions: 2, pitch: 5.08 mm, connection method: Crimp connection, color: green, Corresponding male crimp contacts with current [A] and conductor cross section range [mm²] 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

## Your advantages

- Inexpensive connection of large quantities of pre-assembled conductors
- Pull-out aid facilitates handling and allows the tensile force to be reduced at the contact point
- Screwable flange for superior mechanical stability
- Can be combined with the MSTB 2,5 range

## Key Commercial Data

| | |
|---|---|
| Packing unit | 50 pc |
| GTIN | 4 017918 048471 |
| GTIN | 4017918048471 |

## Technical data

### Item properties

| | |
|---|---|
| Brief article description | Printed-circuit board connector |
| Plug-in system | CLASSIC COMBICON |
| Type of contact | Male connector |
| Range of articles | ICC 2,5/..-STZFD |
| Pitch | 5.08 mm |
| Number of positions | 2 |
| Connection method | Crimp connection |
| Locking | Screw flange |
| Number of levels | 1 |
| Number of connections | 2 |
| Number of potentials | 2 |

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## Technical data

### Electrical parameters

| | |
|---|---|
| Nominal current | 12 A |
| Nom. voltage | 320 V |
| Rated voltage | 250 V |
| Rated voltage (III/2) | 320 V |
| Rated voltage (II/2) | 630 V |
| Rated surge voltage (III/3) | 4 kV |
| Rated surge voltage (III/2) | 4 kV |
| Rated surge voltage (II/2) | 4 kV |

### Connection capacity

| | |
|---|---|
| Connection method | Crimp connection |
| pluggable | Yes |
| Conductor cross section flexible | 0.5 mm² ... 2.5 mm² |
| Conductor cross section AWG / kcmil | 20 ... 14 |

### Material data - contact

| | |
|---|---|
| Note | WEEE/RoHS-compliant, free of whiskers according to IEC 60068-2-82/ JEDEC JESD 201 |
| Contact material | Cu alloy |
| Metal surface terminal point (top layer) | Tin (Sn) |
| Metal surface contact area (top layer) | Tin (Sn) |

### Material data - housing

| | |
|---|---|
| Housing color | green (6021) |
| Insulating material | PA |
| Insulating material group | I |
| CTI according to IEC 60112 | 600 |
| Flammability rating according to UL 94 | V0 |
| Glow wire flammability index GWFI according to EN 60695-2-12 | 850 |
| Glow wire ignition temperature GWIT according to EN 60695-2-13 | 775 |
| Temperature for the ball pressure test according to EN 60695-10-2 | 125 °C |

### Dimensions for the product

| | |
|---|---|
| Length [ l ] | 28.1 mm |
| Width [ w ] | 19.07 mm |
| Height [ h ] | 10.6 mm |
| Pitch | 5.08 mm |
| Height (without solder pin) | 10.6 mm |

### Packaging information

| | |
|---|---|
| Type of packaging | packed in cardboard |
| Pieces per package | 50 |
| Denomination packing units | Pcs. |

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## Technical data

### Environmental Product Compliance

| | |
|---|---|
| REACh SVHC | Lead 7439-92-1 |
| China RoHS | Environmentally Friendly Use Period = 50 years |
| | For details about hazardous substances go to tab “Downloads”, Category “Manufacturer's declaration” |

## Classifications

### eCl@ss

| | |
|---|---|
| eCl@ss 10.0.1 | 27440309 |
| eCl@ss 4.0 | 27260700 |
| eCl@ss 4.1 | 27260700 |
| eCl@ss 5.0 | 27260700 |
| eCl@ss 5.1 | 27260700 |
| eCl@ss 6.0 | 27260700 |
| eCl@ss 7.0 | 27440309 |
| eCl@ss 8.0 | 27440309 |
| eCl@ss 9.0 | 27440309 |

### ETIM

| | |
|---|---|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002637 |
| ETIM 5.0 | EC002638 |
| ETIM 6.0 | EC002638 |
| ETIM 7.0 | EC002638 |

### UNSPSC

| | |
|---|---|
| UNSPSC 6.01 | 30211810 |
| UNSPSC 7.0901 | 39121409 |
| UNSPSC 11 | 39121409 |
| UNSPSC 12.01 | 39121409 |
| UNSPSC 13.2 | 39121409 |
| UNSPSC 18.0 | 39121409 |
| UNSPSC 19.0 | 39121409 |
| UNSPSC 20.0 | 39121409 |
| UNSPSC 21.0 | 39121409 |

## Approvals

### Approvals

Approvals

CSA / UL Recognized / cUL Recognized / IECEE CB Scheme / EAC / VDE Zeichengenehmigung / cULus Recognized

# Printed-circuit board connector - ICC 2,5/ 2-STZFD-5,08 - 1823613

## Approvals

Ex Approvals

### Approval details

| CSA | | http://www.csagroup.org/services-industries/product-listing/ | 13631 |
|---|---|---|---|

| | B | D |
|---|---|---|
| Nominal voltage UN | 300 V | 300 V |
| Nominal current IN | 10 A | 10 A |
| mm²/AWG/kcmil | 20-14 | 20-14 |

| UL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 60425 |
|---|---|---|---|

| | B | D |
|---|---|---|
| Nominal voltage UN | 250 V | 300 V |
| Nominal current IN | 10 A | 10 A |
| mm²/AWG/kcmil | 20-14 | 20-14 |

| cUL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 60425 |
|---|---|---|---|

| | B | D |
|---|---|---|
| Nominal voltage UN | 250 V | 300 V |
| Nominal current IN | 10 A | 10 A |
| mm²/AWG/kcmil | 20-14 | 20-14 |

| IECEE CB Scheme | | http://www.iecee.org/ | DE1-60988-B1B2 |
|---|---|---|---|

| | |
|---|---|
| Nominal voltage UN | 250 V |
| Nominal current IN | 10 A |
| mm²/AWG/kcmil | 0.5-1 |

| EAC | | B.01687 |
|---|---|---|

# Printed-circuit board connector - ICC 2,5/ 2-STZFD-5,08 - 1823613

## Approvals

| | | | |
|---|---|---|---|
| VDE Zeichengenehmigung | | http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx | 40050648 |

| | |
|---|---|
| Nominal voltage UN | 250 V |
| Nominal current IN | 10 A |
| mm²/AWG/kcmil | 0.5-1 |

cULus Recognized

## Accessories

### Accessories

### Crimp contact

Accessories - ICC-MT 0,5-1,0 - 3190577



Module male contact, is inserted into the ICC connector shell after the conductor has been crimped, for conductors from 0.5-1.0 mm²

Male insert - ICC-MT 0,5-1,0 BA - 3190603



Module male contact, is inserted into the ICC connector shell after the conductor has been crimped, for conductors from 0.5-1.0 mm², ribbon contact

Accessories - ICC-MT 1,5-2,5 - 3190580



Module male contact, is inserted into the ICC connector shell after the conductor has been crimped, for conductors from 1.5-2.5 mm²

# Printed-circuit board connector - ICC 2,5/ 2-STZFD-5,08 - 1823613

## Accessories

Accessories - ICC-MT 1,5-2,5 BA - 3190593



Module male contact, is inserted into the ICC connector shell after the conductor has been crimped, for conductors from 1.5-2.5 mm², ribbon contact

### Crimping tool

Crimping pliers - CRIMPFOX MT 2,5 - 1204038



Crimping pliers, for crimping conductors to the module female contacts STG-MTN, crimp range: 0.5-2.5 mm², AWG: 20-14

### Labeled terminal marker

Marker card - SK 5,08/2,8:FORTL.ZAHLEN - 0804280



Marker card, Card, white, labeled, horizontal: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... (99)100, mounting type: adhesive, for terminal block width: 5.08 mm, lettering field size: 5.08 x 2.8 mm

### Screwdriver tools

Screwdriver - SZS 0,4X2,5 VDE - 1205037



Screwdriver, slot-headed, VDE insulated, size: 0.4 x 2.5 x 80 mm, 2-component grip, with non-slip grip

### Strain relief

Strain relief - STZ 2-MSTBC-5,08 - 1810529



Strain relief for snapping into the latching chambers of the plug components, 2-pos., labeling with ZB 6

# Printed-circuit board connector - ICC 2,5/ 2-STZFD-5,08 - 1823613

## Accessories

Strain relief - STZ 4-MSTBC-5,08 - 1810532



Strain relief for snapping into the latching chambers of the plug components, 4-pos., labeling with ZB 6

Strain relief - STZ 8-MSTBC-5,08 - 1810516



Strain relief for snapping into the latching chambers of the plug components, 8-pos., labeling with ZB 6

Strain relief - STZ 12-MSTBC-5,08 - 1810503



Strain relief for snapping into the latching chambers of the plug components, 12-pos., labeling with ZB 6

## Additional products

Printed-circuit board connector - FRONT-MSTB 2,5/ 2-STF-5,08 - 1777808



PCB connector, nominal current: 12 A, rated voltage (III/2): 320 V, nominal cross section: 2.5 mm², number of positions: 2, pitch: 5.08 mm, connection method: Front screw connection, color: green, contact surface: Tin

Printed-circuit board connector - FKCT 2,5/ 2-STF-5,08 - 1902301



PCB connector, nominal current: 12 A, rated voltage (III/2): 320 V, nominal cross section: 2.5 mm², number of positions: 2, pitch: 5.08 mm, connection method: Push-in spring connection, color: green, contact surface: Tin

# Printed-circuit board connector - ICC 2,5/ 2-STZFD-5,08 - 1823613

## Accessories

Printed-circuit board connector - QC 1/ 2-STF-5,08 - 1883352



PCB connector, nominal current: 10 A, rated voltage (III/2): 630 V, nominal cross section: 1 mm², number of positions: 2, pitch: 5.08 mm, connection method: Displacement connection, color: green, contact surface: Tin

Printed-circuit board connector - FKCVR 2,5/ 2-STF-5,08 - 1874109



PCB connector, nominal current: 12 A, rated voltage (III/2): 320 V, nominal cross section: 2.5 mm², number of positions: 2, pitch: 5.08 mm, connection method: Push-in spring connection, color: green, contact surface: Tin

Printed-circuit board connector - FKCVW 2,5/ 2-STF-5,08 - 1873809



PCB connector, nominal current: 12 A, rated voltage (III/2): 320 V, nominal cross section: 2.5 mm², number of positions: 2, pitch: 5.08 mm, connection method: Push-in spring connection, color: green, contact surface: Tin

Printed-circuit board connector - FKC 2,5/ 2-STF-5,08 - 1873207



PCB connector, nominal current: 12 A, rated voltage (III/2): 320 V, nominal cross section: 2.5 mm², number of positions: 2, pitch: 5.08 mm, connection method: Push-in spring connection, color: green, contact surface: Tin

Printed-circuit board connector - TMSTBP 2,5/ 2-STF-5,08 - 1853104



PCB connector, nominal current: 12 A, rated voltage (III/2): 320 V, nominal cross section: 2.5 mm², number of positions: 2, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin, The plug allows conductors to be looped through from module to module.

# Printed-circuit board connector - ICC 2,5/ 2-STZFD-5,08 - 1823613

## Accessories

Printed-circuit board connector - MVSTBW 2,5/ 2-STF-5,08 - 1834903



PCB connector, nominal current: 12 A, rated voltage (III/2): 320 V, nominal cross section: 2.5 mm², number of positions: 2, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin

Printed-circuit board connector - MSTBC 2,5/ 2-STZF-5,08 - 1809734



PCB connector, nominal current: 12 A, rated voltage (III/2): 320 V, nominal cross section: 2.5 mm², number of positions: 2, 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

Printed-circuit board connector - MSTBT 2,5/ 2-STF-5,08 - 1805301



PCB connector, nominal current: 12 A, rated voltage (III/2): 320 V, nominal cross section: 2.5 mm², number of positions: 2, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin

Printed-circuit board connector - MSTB 2,5/ 2-STF-5,08 - 1777989



PCB connector, nominal current: 12 A, rated voltage (III/2): 320 V, nominal cross section: 2.5 mm², number of positions: 2, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin

Printed-circuit board connector - MVSTBR 2,5/ 2-STF-5,08 - 1835096



PCB connector, nominal current: 12 A, rated voltage (III/2): 320 V, nominal cross section: 2.5 mm², number of positions: 2, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin

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PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
http://www.phoenixcontact.com