

# Printed-circuit board connector - MSTBC 2,5/ 3-ST-5,08 GNTQ CP3 - 1710501

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PCB connector, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5.08 mm, connection method: Crimp connection, color: turquoise green, contact surface: Tin, 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




The figure shows an 10-position version

## Your advantages

- Inexpensive connection of large quantities of pre-assembled conductors



## Key Commercial Data

|              |   |
|--------------|---|
| Packing unit | 50 pc   |
| GTIN         | <br>4 055626 157337 |
| GTIN         | 4055626157337   |

## Technical data

### Item properties

|                           |                                 |
|---------------------------|---------------------------------|
| Brief article description | Printed-circuit board connector |
| Plug-in system            | CLASSIC COMBICON                |
| Type of contact           | Female connector                |
| Range of articles         | MSTBC 2,5/..-ST                 |
| Pitch                     | 5.08 mm                         |
| Number of positions       | 3                               |
| Connection method         | Crimp connection                |
| Number of levels          | 1                               |

### Electrical parameters

|                                  |       |
|----------------------------------|-------|
| Rated current                    | 12 A  |
| Rated insulation voltage (III/2) | 320 V |
| Rated surge voltage (III/2)      | 4 kV  |

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## Technical data

### Connection capacity

|                                     |   |
|-------------------------------------|---|
| Conductor cross section flexible    | 0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> |
| Conductor cross section AWG / kcmil | 20 ... 14                                   |

### Material data - contact

|  |  |
|--|--|
| Note                                     | WEEE/RoHS-compliant, free of whiskers according to IEC 60068-2-82/<br>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

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

|       |         |
|-------|---------|
| Pitch | 5.08 mm |
|-------|---------|

### Packaging information

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

### Mechanical tests according to standard

|                    |           |
|--------------------|-----------|
| Test specification | IEC 61984 |
|--------------------|-----------|

### Air clearances and creepage distances

|                                  |       |
|----------------------------------|-------|
| Insulating material group        | I     |
| Rated insulation voltage (III/3) | 320 V |
| Rated insulation voltage (III/2) | 320 V |
| Rated insulation 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  |

### Current carrying capacity / derating curves

|               |           |
|---------------|-----------|
| Specification | IEC 61984 |
|---------------|-----------|

### Mechanical tests (A)

|                    |           |
|--------------------|-----------|
| Test specification | IEC 61984 |
|--------------------|-----------|

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## Technical data

### Standards and Regulations

|  |    |
|--|----|
| Flammability rating according to UL 94 | V0 |
|--|----|

### Environmental Product Compliance

|            |   |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

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