# Printed-circuit board connector - BCP-508- 3 BK - 5452236

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The figure shows a 5-pos. version of the product in gray

Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5.08 mm, Connection method: Screw connection with tension sleeve, Color: black, Contact surface: Tin




## Key Commercial Data

| | |
|---|---|
| Packing unit | 1 pc |
| Minimum order quantity | 100 pc |
| Weight per Piece (excluding packing) | 5.2 g |
| Custom tariff number | 85366990 |
| Country of origin | China |

## Technical data

### Dimensions

| | |
|---|---|
| Pitch | 5.08 mm |
| Dimension a | 10.16 mm |

### General

| | |
|---|---|
| Range of articles | BCP |
| 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 |

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## Technical data

### General

| | |
|---|---|
| Nominal cross section | 2.5 mm² |
| Maximum load current | 12 A (with a 2.5 mm² conductor cross section) |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |
| Stripping length | 7 mm |
| Number of positions | 3 |
| Tightening torque, min | 0.4 Nm |
| Tightening torque max | 0.5 Nm |

### Connection data

| | |
|---|---|
| Conductor cross section solid min. | 0.2 mm² |
| Conductor cross section solid max. | 2.5 mm² |
| Conductor cross section flexible min. | 0.2 mm² |
| Conductor cross section flexible max. | 2.5 mm² |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.25 mm² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 2.5 mm² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.25 mm² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 2.5 mm² |
| Conductor cross section AWG min. | 24 |
| Conductor cross section AWG max. | 12 |
| 2 conductors with same cross section, solid min. | 0.2 mm² |
| 2 conductors with same cross section, solid max. | 1 mm² |
| 2 conductors with same cross section, stranded min. | 0.2 mm² |
| 2 conductors with same cross section, stranded max. | 1.5 mm² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 0.25 mm² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. | 1 mm² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 1.5 mm² |

### Standards and Regulations

| | |
|---|---|
| Connection in acc. with standard | EN-VDE |
| | CUL |
| Flammability rating according to UL 94 | V0 |

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## Classifications

### eCl@ss

| | |
|---|---|
| eCl@ss 4.0 | 272607xx |
| eCl@ss 4.1 | 27260701 |
| eCl@ss 5.0 | 27260701 |
| eCl@ss 5.1 | 27260701 |
| eCl@ss 6.0 | 27260705 |
| eCl@ss 7.0 | 27440401 |
| eCl@ss 8.0 | 27440309 |
| eCl@ss 9.0 | 27440309 |

### ETIM

| | |
|---|---|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002638 |
| ETIM 5.0 | EC002638 |

### UNSPSC

| | |
|---|---|
| UNSPSC 6.01 | 30211801 |
| UNSPSC 7.0901 | 39121432 |
| UNSPSC 11 | 39121432 |
| UNSPSC 12.01 | 39121409 |
| UNSPSC 13.2 | 39121432 |

## Approvals

### Approvals

Approvals

UL Recognized / cUL Recognized / VDE Gutachten mit Fertigungsüberwachung / IECEE CB Scheme / cULus Recognized

Ex Approvals

Approvals submitted

### Approval details

# Printed-circuit board connector - BCP-508- 3 BK - 5452236

## Approvals

UL Recognized

| | B | D |
|---|---|---|
| mm²/AWG/kcmil | 30-12 | 30-12 |
| Nominal current IN | 15 A | 15 A |
| Nominal voltage UN | 300 V | 150 V |

cUL Recognized

| | B | D |
|---|---|---|
| mm²/AWG/kcmil | 30-12 | 30-12 |
| Nominal current IN | 15 A | 15 A |
| Nominal voltage UN | 300 V | 150 V |

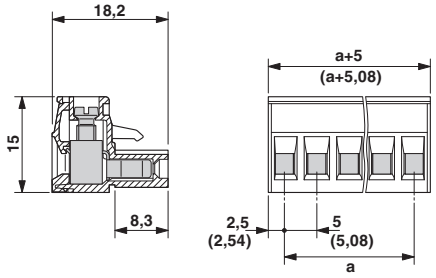
VDE Gutachten mit Fertigungsüberwachung

IECEE CB Scheme

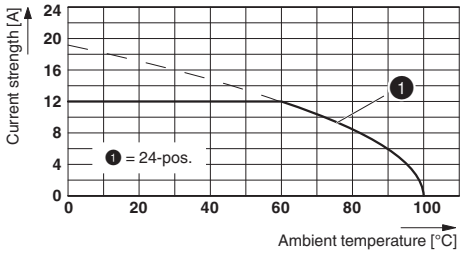
cULus Recognized

## Drawings

Dimensional drawing




Diagram



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