

## Printed-circuit board connector - BCVP-508R- 8 GN - 5451022

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Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 8, Pitch: 5.08 mm, Connection method: Screw connection with tension sleeve, Color: pastel green, Contact surface: Tin

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



### Key Commercial Data

|                                      |          |
|--------------------------------------|----------|
| Packing unit                         | 1 pc     |
| Minimum order quantity               | 100 pc   |
| Weight per Piece (excluding packing) | 16.8 g   |
| Custom tariff number                 | 85366990 |
| Country of origin                    | Germany  |

### Technical data

#### Dimensions

|             |          |
|-------------|----------|
| Pitch       | 5.08 mm  |
| Dimension a | 35.56 mm |

#### General

|                             |        |
|-----------------------------|--------|
| Range of articles           | BCVP-R |
| 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/3)       | 250 V  |
| Rated voltage (III/2)       | 320 V  |
| Rated voltage (II/2)        | 630 V  |
| Nominal current $I_N$       | 12 A   |

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## Technical data

### General

|                                        |                                                           |
|----------------------------------------|-----------------------------------------------------------|
| Nominal cross section                  | 2.5 mm <sup>2</sup>                                       |
| Maximum load current                   | 12 A (with a 2.5 mm <sup>2</sup> conductor cross section) |
| Insulating material                    | PA                                                        |
| Flammability rating according to UL 94 | V0                                                        |
| Stripping length                       | 7 mm                                                      |
| Number of positions                    | 8                                                         |
| Screw thread                           | M3                                                        |
| Tightening torque, min                 | 0.5 Nm                                                    |
| Tightening torque max                  | 0.6 Nm                                                    |

### 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 flexible min.                                                   | 0.2 mm <sup>2</sup>  |
| Conductor cross section flexible max.                                                   | 2.5 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule without plastic sleeve min.              | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule without plastic sleeve max.              | 2.5 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule with plastic sleeve min.                 | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve max.                 | 2.5 mm <sup>2</sup>  |
| Conductor cross section AWG min.                                                        | 24                   |
| Conductor cross section AWG 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>  |

### Standards and Regulations

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

## Printed-circuit board connector - BCVP-508R- 8 GN - 5451022

### 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 | 27261101 |
| 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

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#### Approvals

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

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#### Ex Approvals

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#### Approvals submitted

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#### Approval details

## Printed-circuit board connector - BCVP-508R- 8 GN - 5451022

### Approvals

| UL Recognized  |       |       |
|-------------------------------------------------------------------------------------------------|-------|-------|
|                                                                                                 | B     | D     |
| mm <sup>2</sup> /AWG/kcmil                                                                      | 30-12 | 30-12 |
| Nominal current I <sub>N</sub>                                                                  | 12 A  | 10 A  |
| Nominal voltage U <sub>N</sub>                                                                  | 300 V | 300 V |

| cUL Recognized  |       |       |
|--------------------------------------------------------------------------------------------------|-------|-------|
|                                                                                                  | B     | D     |
| mm <sup>2</sup> /AWG/kcmil                                                                       | 30-12 | 30-12 |
| Nominal current I <sub>N</sub>                                                                   | 12 A  | 10 A  |
| Nominal voltage U <sub>N</sub>                                                                   | 300 V | 300 V |

|                                                                                                                             |  |  |
|-----------------------------------------------------------------------------------------------------------------------------|--|--|
| VDE Gutachten mit Fertigungsüberwachung  |  |  |
|-----------------------------------------------------------------------------------------------------------------------------|--|--|

|                                                                                                     |  |  |
|-----------------------------------------------------------------------------------------------------|--|--|
| IECEE CB Scheme  |  |  |
|-----------------------------------------------------------------------------------------------------|--|--|

|                                                                                                      |  |  |
|------------------------------------------------------------------------------------------------------|--|--|
| cULus Recognized  |  |  |
|------------------------------------------------------------------------------------------------------|--|--|

### Accessories

#### Accessories

#### Bridge

Insertion bridge - EBP 2- 5 - 1733169

Insertion bridge, fully insulated, for connectors with 5.0 or 5.08 mm pitch, no. of positions: 2



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### Accessories

#### Coding element

Coding profile - CP-BC-F - 5436144

Coding profile



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#### Labeled terminal marker

Marker card - SK 5/3,8:FORTL.ZAHLEN - 0804183



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 mm, Lettering field: 5 x 3.8 mm

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#### Marker pen

Marker pen - B-STIFT - 1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

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#### Screwdriver tools

Screwdriver - SZS 0,6X3,5 - 1205053



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

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#### Terminal marking

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### Accessories

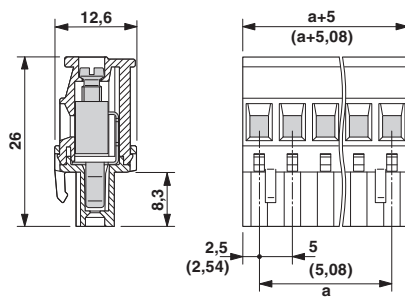
Marker card - SK 5/3,8:UNBEDRUCKT - 0805409



Marker card, Card, white, unlabeled, can be labeled with: Marker pen, Mounting type: Adhesive, for terminal block width: 5 mm, Lettering field: 5 x 3.8 mm

### Drawings

Dimensional drawing



Diagram

