

## Printed-circuit board connector - MVSTBR 2,5/ 5-ST BK - 1746567

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Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 5, Pitch: 5 mm, Connection method: Screw connection, Color: black, Contact surface: Tin

The illustration shows version  
MVSTBR 2,5/5-ST-5,08 AU

### Key commercial data

|                                      |           |
|--------------------------------------|-----------|
| Packing unit                         | 1 pc      |
| Weight per Piece (excluding packing) | 10.79 GRM |
| Custom tariff number                 | 85366990  |
| Country of origin                    | Germany   |

### Technical data

#### Dimensions

|             |       |
|-------------|-------|
| Pitch       | 5 mm  |
| Dimension a | 20 mm |

#### General

|                                  |                                                         |
|----------------------------------|---------------------------------------------------------|
| Range of articles                | MVSTBR 2,5/...-ST                                       |
| 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                                                   |
| Connection in acc. with standard | EN-VDE                                                  |
| Nominal current $I_N$            | 12 A                                                    |
| Nominal cross section            | 2.5 mm <sup>2</sup>                                     |
| Maximum load current             | 12 A (with 2.5 mm <sup>2</sup> conductor cross section) |
| Insulating material              | PA                                                      |

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## Technical data

### General

|                                         |        |
|-----------------------------------------|--------|
| Inflammability class according to UL 94 | V0     |
| Internal cylindrical gage               | A3     |
| Stripping length                        | 7 mm   |
| Number of positions                     | 5      |
| 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 stranded min.                                                   | 0.2 mm <sup>2</sup>  |
| Conductor cross section stranded max.                                                   | 2.5 mm <sup>2</sup>  |
| Conductor cross section stranded, with ferrule without plastic sleeve min.              | 0.25 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule without plastic sleeve max.              | 2.5 mm <sup>2</sup>  |
| Conductor cross section stranded, with ferrule with plastic sleeve min.                 | 0.25 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule with plastic sleeve max.                 | 2.5 mm <sup>2</sup>  |
| Conductor cross section AWG/kcmil min.                                                  | 24                   |
| Conductor cross section AWG/kcmil 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>  |
| Minimum AWG according to UL/CUL                                                         | 30                   |
| Maximum AWG according to UL/CUL                                                         | 12                   |

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 272607xx |
| eCl@ss 4.1 | 27260701 |

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### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 5.0 | 27260701 |
| eCl@ss 5.1 | 27260701 |
| eCl@ss 6.0 | 27260704 |
| eCl@ss 7.0 | 27440402 |
| eCl@ss 8.0 | 27440402 |

#### ETIM

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

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211810 |
| UNSPSC 7.0901 | 39121409 |
| UNSPSC 11     | 39121409 |
| UNSPSC 12.01  | 39121409 |
| UNSPSC 13.2   | 39121409 |

### Approvals

#### Approvals

#### Approvals

CSA / VDE Gutachten mit Fertigungsüberwachung / IECCEB Scheme / UL Recognized / cUL Recognized / GOST / CCA / GOST / cULus Recognized

#### Ex Approvals

#### Approvals submitted

#### Approval details

|                                                                                         |       |       |
|-----------------------------------------------------------------------------------------|-------|-------|
| CSA  |       |       |
|                                                                                         | B     | D     |
| mm²/AWG/kcmil                                                                           | 28-12 | 28-12 |

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### Approvals

|                                | B     | D     |
|--------------------------------|-------|-------|
| Nominal current I <sub>N</sub> | 10 A  | 10 A  |
| Nominal voltage U <sub>N</sub> | 300 V | 300 V |

|                                                                                                                           |         |
|---------------------------------------------------------------------------------------------------------------------------|---------|
| VDE Gutachten mit Fertigungsüberwachung  |         |
| mm <sup>2</sup> /AWG/kcmil                                                                                                | 0.2-2.5 |
| Nominal current I <sub>N</sub>                                                                                            | 12 A    |
| Nominal voltage U <sub>N</sub>                                                                                            | 250 V   |

|                                                                                                   |         |
|---------------------------------------------------------------------------------------------------|---------|
| IECEE CB Scheme  |         |
| mm <sup>2</sup> /AWG/kcmil                                                                        | 0.2-2.5 |
| Nominal current I <sub>N</sub>                                                                    | 12 A    |
| Nominal voltage U <sub>N</sub>                                                                    | 250 V   |

| UL Recognized  |       |       |
|---------------------------------------------------------------------------------------------------|-------|-------|
|                                                                                                   | B     | D     |
| mm <sup>2</sup> /AWG/kcmil                                                                        | 30-12 | 30-12 |
| Nominal current I <sub>N</sub>                                                                    | 15 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>                                                                     | 15 A  | 10 A  |
| Nominal voltage U <sub>N</sub>                                                                     | 300 V | 300 V |

|                                                                                          |  |
|------------------------------------------------------------------------------------------|--|
| GOST  |  |
|------------------------------------------------------------------------------------------|--|

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### Approvals

|                                |         |
|--------------------------------|---------|
| CCA                            |         |
|                                |         |
| mm <sup>2</sup> /AWG/kcmil     | 0.2-2.5 |
| Nominal current I <sub>N</sub> | 12 A    |
| Nominal voltage U <sub>N</sub> | 250 V   |

|                                                                                        |
|----------------------------------------------------------------------------------------|
| GOST  |
|----------------------------------------------------------------------------------------|

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