

## Printed-circuit board connector - MCVR 1,5/13-ST-3,81 BK - 1859726

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Plug component, Nominal current: 8 A, Number of positions: 13, Pitch: 3.81 mm, Connection method: Screw connection, Color: black, Contact surface: Tin



### Key commercial data

|                                      |           |
|--------------------------------------|-----------|
| Packing unit                         | 1 pc      |
| Minimum order quantity               | 50 pc     |
| Weight per Piece (excluding packing) | 10.64 GRM |
| Custom tariff number                 | 85366990  |
| Country of origin                    | Germany   |

### Technical data

#### Dimensions

|             |          |
|-------------|----------|
| Pitch       | 3.81 mm  |
| Dimension a | 45.72 mm |

#### General

|                                  |                     |
|----------------------------------|---------------------|
| Range of articles                | MCVR 1,5/...-ST     |
| Rated voltage (III/3)            | 160 V               |
| Connection in acc. with standard | EN-VDE              |
| Nominal current $I_N$            | 8 A                 |
| Nominal cross section            | 1.5 mm <sup>2</sup> |
| Number of positions              | 13                  |

#### Connection data

|                                                                            |                      |
|----------------------------------------------------------------------------|----------------------|
| Conductor cross section solid min.                                         | 0.14 mm <sup>2</sup> |
| Conductor cross section solid max.                                         | 1.5 mm <sup>2</sup>  |
| Conductor cross section stranded min.                                      | 0.14 mm <sup>2</sup> |
| Conductor cross section stranded max.                                      | 1.5 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. | 1.5 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.    | 0.5 mm <sup>2</sup>  |
| Conductor cross section AWG/kcmil min.                                     | 28                   |

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### Technical data

#### Connection data

|                                                                                         |                      |
|-----------------------------------------------------------------------------------------|----------------------|
| Conductor cross section AWG/kcmil max                                                   | 16                   |
| 2 conductors with same cross section, solid min.                                        | 0.08 mm <sup>2</sup> |
| 2 conductors with same cross section, solid max.                                        | 0.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded min.                                     | 0.08 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded max.                                     | 0.75 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.   | 0.34 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. | 0.5 mm <sup>2</sup>  |
| Minimum AWG according to UL/CUL                                                         | 30                   |
| Maximum AWG according to UL/CUL                                                         | 14                   |

### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 272607xx |
| eCl@ss 4.1 | 27260701 |
| eCl@ss 5.0 | 27260701 |
| eCl@ss 5.1 | 27141190 |
| eCl@ss 6.0 | 27260704 |
| eCl@ss 7.0 | 27440402 |
| eCl@ss 8.0 | 27440309 |

#### 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 |

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### Approvals

#### Approvals

#### Approvals

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

#### Ex Approvals

#### Approvals submitted

### Approval details

| CSA  |       |       |       |
|----------------------------------------------------------------------------------------|-------|-------|-------|
|                                                                                        |       | B     | D     |
| mm <sup>2</sup> /AWG/kcmil                                                             | 28-16 | 28-16 | 28-16 |
| Nominal current I <sub>N</sub>                                                         | 8 A   | 8 A   | 8 A   |
| Nominal voltage U <sub>N</sub>                                                         | 300 V | 300 V | 300 V |

| UL Recognized  |       |       |       |
|---------------------------------------------------------------------------------------------------|-------|-------|-------|
|                                                                                                   |       | B     | D     |
| mm <sup>2</sup> /AWG/kcmil                                                                        | 30-14 | 30-14 | 30-14 |
| Nominal current I <sub>N</sub>                                                                    | 8 A   | 8 A   | 8 A   |
| Nominal voltage U <sub>N</sub>                                                                    | 300 V | 300 V | 300 V |

| VDE Gutachten mit Fertigungsüberwachung  |         |
|-----------------------------------------------------------------------------------------------------------------------------|---------|
|                                                                                                                             |         |
| mm <sup>2</sup> /AWG/kcmil                                                                                                  | 0.2-1.5 |
| Nominal current I <sub>N</sub>                                                                                              | 8 A     |
| Nominal voltage U <sub>N</sub>                                                                                              | 160 V   |

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### Approvals

| cUL Recognized  |       |       |       |
|--------------------------------------------------------------------------------------------------|-------|-------|-------|
|                                                                                                  |       | B     | D     |
| mm²/AWG/kcmil                                                                                    | 30-14 | 30-14 | 30-14 |
| Nominal current I <sub>N</sub>                                                                   | 8 A   | 8 A   | 8 A   |
| Nominal voltage U <sub>N</sub>                                                                   | 300 V | 300 V | 300 V |

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

| IECEE CB Scheme  |         |
|---------------------------------------------------------------------------------------------------|---------|
|                                                                                                   |         |
| mm²/AWG/kcmil                                                                                     | 0.2-1.5 |
| Nominal current I <sub>N</sub>                                                                    | 8 A     |
| Nominal voltage U <sub>N</sub>                                                                    | 160 V   |

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

| CCA                            |         |
|--------------------------------|---------|
|                                |         |
| mm²/AWG/kcmil                  | 0.2-1.5 |
| Nominal current I <sub>N</sub> | 8 A     |
| Nominal voltage U <sub>N</sub> | 160 V   |

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

### Drawings

## Printed-circuit board connector - MCVR 1,5/13-ST-3,81 BK - 1859726

### Diagram

Type:  
MCVR  
1,5/...-  
ST-3,81  
with  
MCDV  
1,5/...-  
G-3,81

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