

# Printed-circuit board connector - FRONT-MSTB 2,5/ 4-ST BK - 1998218

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PCB connector, nominal current: 12 A, number of positions: 4, pitch: 5 mm, connection method: Front screw connection, color: black, contact surface: Tin



The figure shows a 10-position version of the product

## Your advantages

- ✓ Well-known connection principle allows worldwide use
- ✓ Optimized for tight installation situations: operation and conductor connection from one direction
- ✓ Low temperature rise, thanks to maximum contact force
- ✓ Allows connection of two conductors



## Key Commercial Data

|                      |               |
|----------------------|---------------|
| Packing unit         | 1             |
| GTIN                 |               |
| GTIN                 | 4017918964115 |
| Custom tariff number | 85366990      |

## Technical data

### Dimensions

|              |         |
|--------------|---------|
| Length [ l ] | 27.2 mm |
| Width [ w ]  | 20 mm   |
| Height [ h ] | 15 mm   |
| Pitch        | 5 mm    |
| Dimension a  | 15 mm   |

### General

|                       |                        |
|-----------------------|------------------------|
| Range of articles     | FRONT-MSTB 2,5/..-ST   |
| Number of positions   | 4                      |
| Connection method     | Front screw connection |
| Rated voltage (III/3) | 250 V                  |

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## Technical data

### General

|                                  |                     |
|----------------------------------|---------------------|
| Connection in acc. with standard | EN-VDE              |
| Nominal current I <sub>N</sub>   | 12 A                |
| Nominal cross section            | 2.5 mm <sup>2</sup> |

### Connection data

|   |                      |
|---|----------------------|
| Conductor cross section solid min.  | 0.34 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.  | 1.5 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 mm <sup>2</sup>    |
| Minimum AWG according to UL/CUL   | 30                   |
| Maximum AWG according to UL/CUL   | 12                   |

### Standards and Regulations

|                                  |        |
|----------------------------------|--------|
| Connection in acc. with standard | EN-VDE |
|                                  | CSA    |

### Environmental Product Compliance

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

### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 272607xx |
| eCl@ss 4.1 | 27260701 |
| eCl@ss 5.0 | 27260701 |

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## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 5.1 | 27260700 |
| eCl@ss 6.0 | 27260700 |
| eCl@ss 7.0 | 27440309 |
| eCl@ss 8.0 | 27440309 |
| eCl@ss 9.0 | 27440309 |

### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002638 |
| ETIM 5.0 | EC002638 |
| ETIM 6.0 | 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 / IEC/CEB Scheme / VDE Gutachten mit Fertigungsüberwachung / EAC / cULus Recognized


#### Ex Approvals


### Approval details

|                            |   |   |       |
|----------------------------|---|---|-------|
| CSA                        |  | <a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a> | 13631 |
|                            | D   | B   |       |
| Nominal voltage UN         | 300 V   | 300 V   |       |
| Nominal current IN         | 10 A  | 15 A  |       |
| mm <sup>2</sup> /AWG/kcmil | 22-12   | 22-12   |       |


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## Approvals

|                            |   |   |                |
|----------------------------|---|---|----------------|
| IECEE CB Scheme            |  | <a href="http://www.iecee.org/">http://www.iecee.org/</a> | DE1-58978-B1B2 |
| Nominal voltage UN         | 250 V   |   |                |
| Nominal current IN         | 12 A  |   |                |
| mm <sup>2</sup> /AWG/kcmil | 0.34-2.5  |   |                |

|   |   |   |          |
|---|---|---|----------|
| VDE Gutachten mit Fertigungsüberwachung |  | <a href="http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx">http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx</a> | 40004701 |
| Nominal voltage UN                      | 250 V   |   |          |
| Nominal current IN                      | 12 A  |   |          |
| mm <sup>2</sup> /AWG/kcmil              | 0.34-2.5  |   |          |

|     |   |         |
|-----|---|---------|
| EAC |  | B.01742 |
|-----|---|---------|

|                            |   |   |                 |
|----------------------------|---|---|-----------------|
| cULus Recognized           |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | E60425-19931011 |
|                            | D   | B   |                 |
| Nominal voltage UN         | 300 V   | 300 V   |                 |
| Nominal current IN         | 10 A  | 15 A  |                 |
| mm <sup>2</sup> /AWG/kcmil | 30-12   | 30-12   |                 |