

## Printed-circuit board connector - MC 1,5/ 2-ST1F-5,08 - 1900882

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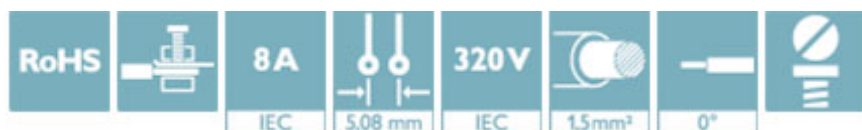
Plug component, nominal current: 8 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin



The figure shows a 10-position version of the product

### Why buy this product

- ✓ Well-known connection principle allows worldwide use
- ✓ Low temperature rise, thanks to maximum contact force
- ✓ Allows connection of two conductors
- ✓ Screwable flange for superior mechanical stability



### Key Commercial Data

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 50 STK                                                                                                  |
| GTIN         | <br>4 017918 429287 |
| GTIN         | 4017918429287                                                                                           |

### Technical data

#### Dimensions

|              |          |
|--------------|----------|
| Length [ l ] | 15.5 mm  |
| Width [ w ]  | 19.28 mm |
| Height [ h ] | 11.1 mm  |
| Pitch        | 5.08 mm  |
| Dimension a  | 5.08 mm  |

#### General

|                           |                                      |
|---------------------------|--------------------------------------|
| Range of articles         | MC 1,5/...ST1F                       |
| Type of contact           | Female connector                     |
| Number of positions       | 2                                    |
| Connection method         | Screw connection with tension sleeve |
| Insulating material group | I                                    |

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## Technical data

### General

|                                        |                                                        |
|----------------------------------------|--------------------------------------------------------|
| 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 $I_N$                  | 8 A                                                    |
| Nominal cross section                  | 1.5 mm <sup>2</sup>                                    |
| Maximum load current                   | 8 A (with 1.5 mm <sup>2</sup> conductor cross section) |
| Insulating material                    | PA                                                     |
| Flammability rating according to UL 94 | V0                                                     |
| Internal cylindrical gage              | A1                                                     |
| Stripping length                       | 7 mm                                                   |
| Screw thread                           | M2                                                     |
| Tightening torque, min                 | 0.22 Nm                                                |
| Tightening torque max                  | 0.25 Nm                                                |

### 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 flexible min.                                                   | 0.14 mm <sup>2</sup> |
| Conductor cross section flexible max.                                                   | 1.5 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.              | 1.5 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.                 | 0.5 mm <sup>2</sup>  |
| Conductor cross section AWG min.                                                        | 28                   |
| Conductor cross section AWG 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                   |

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## Technical data

### Connection data

|                                 |    |
|---------------------------------|----|
| Maximum AWG according to UL/CUL | 14 |
|---------------------------------|----|

### Standards and Regulations

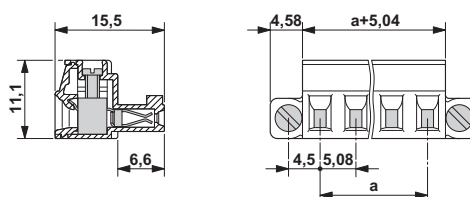
|                                        |        |
|----------------------------------------|--------|
| Connection in acc. with standard       | EN-VDE |
|                                        | CUL    |
| Flammability rating according to UL 94 | V0     |

### Environmental Product Compliance

|            |                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------|
| China RoHS | Environmentally Friendly Use Period = 50                                                            |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

## Drawings

### Dimensional drawing



## Approvals

### Approvals

#### Approvals

VDE Gutachten mit Fertigungsüberwachung / IEC CB Scheme / CCA / cULus Recognized / EAC

#### Ex Approvals

### Approval details

|                                            |                                                                                     |                                                                                                                                                                                                              |          |
|--------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| VDE Gutachten mit<br>Fertigungsüberwachung |  | <a href="http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx">http://www.vde.com/en/Institute/OnlineService/<br/>VDE-approved-products/Pages/Online-Search.aspx</a> | 40011723 |
| mm²/AWG/kcmil                              | 0.2-1.5                                                                             |                                                                                                                                                                                                              |          |
| Nominal current I <sub>N</sub>             | 8 A                                                                                 |                                                                                                                                                                                                              |          |
| Nominal voltage U <sub>N</sub>             | 250 V                                                                               |                                                                                                                                                                                                              |          |

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### Approvals

|                                |                     |                                                           |                |
|--------------------------------|---------------------|-----------------------------------------------------------|----------------|
| IECEE CB Scheme                | <b>CB</b><br>scheme | <a href="http://www.iecee.org/">http://www.iecee.org/</a> | DE1-59621-B1B2 |
| mm²/AWG/kcmil                  | 0.2-1.5             |                                                           |                |
| Nominal current I <sub>N</sub> | 8 A                 |                                                           |                |
| Nominal voltage U <sub>N</sub> | 250 V               |                                                           |                |

|                                |                |  |  |
|--------------------------------|----------------|--|--|
| CCA                            | CCA/ DE1 34219 |  |  |
| mm²/AWG/kcmil                  | 0.2-1.5        |  |  |
| Nominal current I <sub>N</sub> | 8 A            |  |  |
| Nominal voltage U <sub>N</sub> | 250 V          |  |  |

|                                |              |                                                                                                                                                       |                 |
|--------------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| cULus Recognized               | <b>cULus</b> | <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> | E60425-20110128 |
|                                | B            | D                                                                                                                                                     |                 |
| mm²/AWG/kcmil                  | 30-14        | 30-14                                                                                                                                                 |                 |
| Nominal current I <sub>N</sub> | 8 A          | 8 A                                                                                                                                                   |                 |
| Nominal voltage U <sub>N</sub> | 300 V        | 300 V                                                                                                                                                 |                 |

|     |            |         |
|-----|------------|---------|
| EAC | <b>EAC</b> | B.01742 |
|-----|------------|---------|

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