

## Plug - GMSTB 2,5 HCV/ 9-ST-7,62 - 1714346

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PCB connector, nominal current: 16 A, rated voltage (III/2): 1000 V, number of positions: 9, pitch: 7.62 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin, mounting: Wave soldering



The figure shows the 5-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
- Integrated double steel spring provides additional safety in the event of temperature and power fluctuations
- 600 V UL approval in the smallest of dimensions



### Key Commercial Data

|              |               |
|--------------|---------------|
| Packing unit | 50 pc         |
| GTIN         |               |
| GTIN         | 4046356095631 |

### Technical data

#### Dimensions

|              |          |
|--------------|----------|
| Length [ l ] | 21 mm    |
| Width [ w ]  | 68.36 mm |
| Height [ h ] | 17.5 mm  |
| Pitch        | 7.62 mm  |
| Dimension a  | 60.96 mm |

#### General

|                     |                                      |
|---------------------|--------------------------------------|
| Range of articles   | GMSTB 2,5 HCV/...-ST                 |
| Type of contact     | Female connector                     |
| Number of positions | 9                                    |
| Connection method   | Screw connection with tension sleeve |

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## Technical data

### General

|  |                     |
|--|---------------------|
| Insulating material group              | I                   |
| Rated surge voltage (III/3)            | 8 kV                |
| Rated surge voltage (III/2)            | 8 kV                |
| Rated surge voltage (II/2)             | 6 kV                |
| Rated voltage (III/3)                  | 1000 V              |
| Rated voltage (III/2)                  | 1000 V              |
| Rated voltage (II/2)                   | 1000 V              |
| Connection in acc. with standard       | EN-VDE              |
| Nominal current $I_N$                  | 16 A                |
| Nominal cross section                  | 2.5 mm <sup>2</sup> |
| Maximum load current                   | 16 A                |
| Insulating material                    | PA                  |
| Flammability rating according to UL 94 | V0                  |
| Internal cylindrical gage              | A3                  |
| Stripping length                       | 8 mm                |
| 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 mm <sup>2</sup>    |

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## Technical data

### Connection data

|                                 |    |
|---------------------------------|----|
| Minimum AWG according to UL/CUL | 30 |
| Maximum AWG according to UL/CUL | 12 |

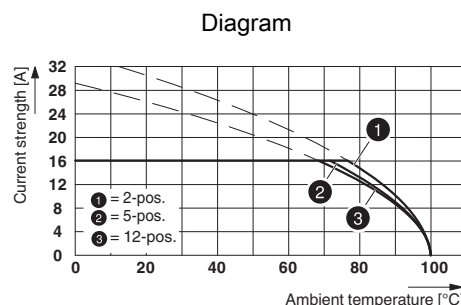
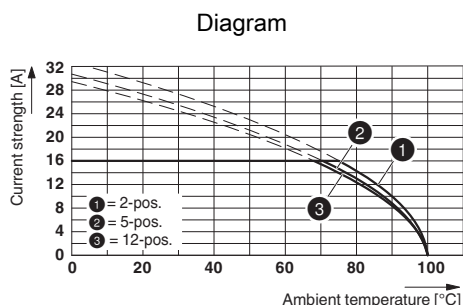
### Standards and Regulations

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

### Environmental Product Compliance

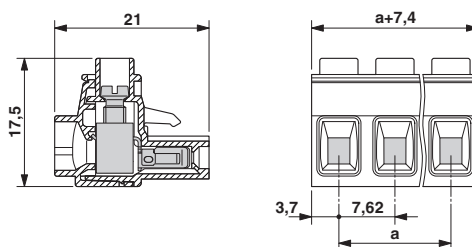
|            |   |
|------------|---|
| REACH SVHC | Lead 7439-92-1  |
| China RoHS | Environmentally Friendly Use Period = 50  |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

## Drawings



Derating curve for: GMSTB 2,5 HCV/...-ST-7,62 with GMSTBA 2,5 HC/...- Type: GMSTB 2.5 HCV/...-ST-7.62(-LR) with GMSTBVA 2.5 HC/...-G-7,62

### Dimensional drawing



## Approvals

### Approvals

Approvals

EAC / cULus Recognized


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## Approvals

Ex Approvals

### Approval details

|     |   |         |
|-----|---|---------|
| 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> | E60425-19931013 |
|                            | B   | C   |                 |
| Nominal voltage UN         | 600 V   | 600 V   |                 |
| Nominal current IN         | 20 A  | 20 A  |                 |
| mm <sup>2</sup> /AWG/kcmil | 30-12   | 30-12   |                 |

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