

Printed-circuit board connector - GMSTB 2,5/ 2-ST BK - 1788482

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PCB connector, nominal current: 12 A, rated voltage (III/2): 630 V, number of positions: 2, pitch: 7.5 mm, connection method: Screw connection with tension sleeve, color: black, contact surface: Tin




The figure shows a 10-position version of the product

Your advantages

- Well-known connection principle allows worldwide use
- Low temperature rise, thanks to maximum contact force
- Larger pitch for increased voltage requirements



Key Commercial Data

| | |
|----------------------|---|
| Packing unit | 1 |
| GTIN |  4 046356 606295 |
| GTIN | 4046356606295 |
| Custom tariff number | 85366990 |

Technical data

Dimensions

| | |
|--------------|---------|
| Length [l] | 18.2 mm |
| Width [w] | 13 mm |
| Height [h] | 15 mm |
| Pitch | 7.5 mm |
| Dimension a | 7.5 mm |

General

| | |
|---------------------------|--------------------------------------|
| Range of articles | GMSTB 2,5/..-ST |
| 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) | 6 kV |
| Rated surge voltage (III/2) | 6 kV |
| Rated surge voltage (II/2) | 6 kV |
| Rated voltage (III/3) | 400 V |
| Rated voltage (III/2) | 630 V |
| Rated voltage (II/2) | 1000 V |
| Connection in acc. with standard | EN-VDE |
| Nominal current I_N | 12 A |
| Nominal cross section | 2.5 mm ² |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |
| Internal cylindrical gage | A3 |
| Stripping length | 7 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 ² |
| Conductor cross section solid max. | 2.5 mm ² |
| Conductor cross section flexible min. | 0.2 mm ² |
| Conductor cross section flexible max. | 2.5 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.25 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 2.5 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.25 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 2.5 mm ² |
| Conductor cross section AWG min. | 24 |
| Conductor cross section AWG max. | 12 |
| 2 conductors with same cross section, solid min. | 0.2 mm ² |
| 2 conductors with same cross section, solid max. | 1 mm ² |
| 2 conductors with same cross section, stranded min. | 0.2 mm ² |
| 2 conductors with same cross section, stranded max. | 1.5 mm ² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 0.25 mm ² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. | 1 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 1 mm ² |
| Minimum AWG according to UL/CUL | 30 |
| Maximum AWG according to UL/CUL | 12 |

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Technical data

Standards and Regulations

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

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27141109 |
| eCl@ss 4.1 | 27141109 |
| eCl@ss 5.0 | 27141190 |
| 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 | EC002643 |
| ETIM 5.0 | EC002638 |
| ETIM 6.0 | EC002638 |

UNSPSC

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|---------------|----------|
| UNSPSC 6.01 | 30211801 |
| UNSPSC 7.0901 | 39121432 |
| UNSPSC 11 | 39121432 |
| UNSPSC 12.01 | 39121432 |
| UNSPSC 13.2 | 39121409 |

Approvals

Approvals

Approvals

CSA / IECCEB CB Scheme / VDE Gutachten mit Fertigungsüberwachung / EAC / cULus Recognized

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Approvals

Ex Approvals

Approval details

| | | | |
|----------------------------|-------|---|-----------------|
| CSA | | http://www.csagroup.org/services-industries/product-listing/ | LR13631-2585950 |
| | D | | B |
| Nominal voltage UN | 300 V | | 300 V |
| Nominal current IN | 10 A | | 10 A |
| mm ² /AWG/kcmil | 28-12 | | 28-12 |

| | | | |
|----------------------------|---------|---|----------------|
| IECEE CB Scheme | | http://www.iecee.org/ | DE1-58978-B1B2 |
| Nominal voltage UN | 400 V | | |
| Nominal current IN | 12 A | | |
| mm ² /AWG/kcmil | 0.2-2.5 | | |

| | | | |
|---|---------|---|----------|
| VDE Gutachten mit Fertigungsüberwachung | | http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx | 40004701 |
| Nominal voltage UN | 400 V | | |
| Nominal current IN | 12 A | | |
| mm ² /AWG/kcmil | 0.2-2.5 | | |

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

| | | | |
|----------------------------|-------|---|-----------------|
| cULus Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | E60425-19931013 |
| | D | | B |
| Nominal voltage UN | 300 V | | 300 V |
| Nominal current IN | 10 A | | 15 A |
| mm ² /AWG/kcmil | 30-12 | | 30-12 |

