

Printed-circuit board connector - GMSTB 2,5/ 4-STF-7,62 - 1858785

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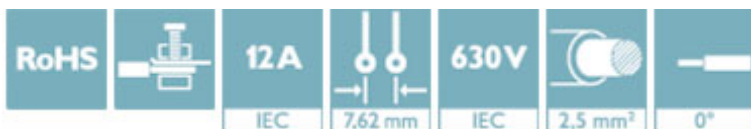
Plug component, nominal current: 12 A, rated voltage (III/2): 630 V, number of positions: 4, pitch: 7.62 mm, connection method: Screw connection with tension sleeve, Color: green, contact surface: Tin




The figure shows a 10-position version of the product

Why buy this product

- ✓ Plug-in direction parallel to the conductor axis
- ✓ Plugs for 630 V applications (III/2)
- ✓ FRONT-GMSTB 2,5 plug with front screw connection
- ✓ Well-known connection principle allows worldwide use
- ✓ Low temperature rise, thanks to maximum contact force
- ✓ Screwable flange for superior mechanical stability
- ✓ Larger pitch for increased voltage requirements
- ✓ Allows connection of two conductors



Key Commercial Data

| | |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 50 STK |
| GTIN |  4 017918 105853 |
| GTIN | 4017918105853 |
| Weight per Piece (excluding packing) | 8.420 g |
| Custom tariff number | 85366990 |
| Country of origin | Germany |

Technical data

Dimensions

| | |
|--------------|----------|
| Length [l] | 18.2 mm |
| Width [w] | 40.87 mm |
| Height [h] | 15 mm |
| Pitch | 7.62 mm |

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Technical data

Dimensions

| | |
|-------------|----------|
| Dimension a | 22.86 mm |
|-------------|----------|

General

| | |
|----------------------------------------|--------------------------------------|
| Range of articles | GMSTB 2,5/..-STF |
| Type of contact | Female connector |
| Number of positions | 4 |
| Connection method | Screw connection with tension sleeve |
| Insulating material group | I |
| 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 |
| Maximum load current | 12 A |
| 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 |

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Technical data

Connection data

| | |
|-----------------------------------------------------------------------------------------|----------------------|
| 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 |

Standards and Regulations

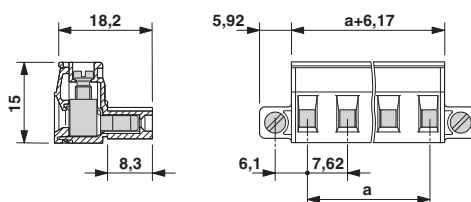
| | |
|----------------------------------------|--------|
| Connection in acc. with standard | EN-VDE |
| | CUL |
| Flammability rating according to UL 94 | V0 |

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



Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 272607xx |
| eCl@ss 4.1 | 27260701 |
| eCl@ss 5.0 | 27260701 |
| eCl@ss 5.1 | 27260701 |
| eCl@ss 6.0 | 27260704 |
| eCl@ss 7.0 | 27440402 |
| eCl@ss 8.0 | 27440309 |
| eCl@ss 9.0 | 27440309 |

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Classifications

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

UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / IECCEB Scheme / EAC / cULus Recognized

Ex Approvals

Approval details

| | | | |
|----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| UL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 60425 |
| | B | D | |
| mm ² /AWG/kcmil | 30-12 | 30-12 | |
| Nominal current IN | 15 A | 10 A | |
| Nominal voltage UN | 300 V | 300 V | |

| | | | |
|-----------------------------------------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| VDE Gutachten mit Fertigungsüberwachung | | http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx | 40004701 |
| | | | |
| mm ² /AWG/kcmil | 0.2-2.5 | | |
| Nominal current IN | 12 A | | |
| Nominal voltage UN | 400 V | | |

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Approvals

| | | | |
|----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| cUL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 60425 |
| | B | D | |
| mm ² /AWG/kcmil | 30-12 | 30-12 | |
| Nominal current IN | 15 A | 10 A | |
| Nominal voltage UN | 300 V | 300 V | |

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

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

| | | |
|------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| cULus Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm |
|------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------|

Accessories

Accessories

Coding element

Coding profile - CP-MSTB - 1734634

Coding profile, is inserted into the slot on the plug or inverted header, red insulating material



Labeled terminal marker

Printed-circuit board connector - GMSTB 2,5/ 4-STF-7,62 - 1858785

Accessories

Marker card - SK 7,62/3,8:FORTL.ZAHLEN - 0804549



Marker card, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - 100, Mounting type: adhesive, for terminal block width: 7.62 mm, Lettering field: 7.62 x 3.8 mm

Screwdriver tools

Screwdriver - SZS 0,6X3,5 - 1205053



Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

Additional products

Base strip - GMSTB 2,5/ 4-GF-7,62 - 1806245



Header, nominal current: 12 A, rated voltage (III/2): 630 V, number of positions: 4, pitch: 7.62 mm, Color: green, contact surface: Tin, mounting: Wave soldering

Base strip - GMSTBV 2,5/ 4-GF-7,62 - 1829170



Header, nominal current: 12 A, rated voltage (III/2): 630 V, number of positions: 4, pitch: 7.62 mm, Color: green, contact surface: Tin, mounting: Wave soldering

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