

# Printed-circuit board connector - GMVSTBR 2,5/ 5-STF-7,62 - 1847916

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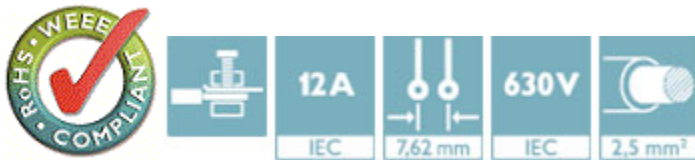
Plug component, Nominal current: 12 A, Rated voltage (III/2): 630 V, Number of positions: 5, Pitch: 7.62 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin



The figure shows a 10-position version of the product

## Why buy this product

- Versions with screw flange and 7.62 mm pitch
- Plug-in direction vertical to the conductor axis
- Plugs for 630 V applications (III/2)



## Key Commercial Data

Packing unit	1 STK
Custom tariff number	85366990
Country of origin	Germany

## Technical data

### Environmental Product Compliance

China RoHS	Hazardous substances above threshold values;
	Environmentally Friendly Use Period = 50;
	For details go to tab "Downloads", Category "Manufacturer's declaration"

### Dimensions

Length	26 mm
Height	12.5 mm
Width	48.54 mm
Pitch	7.62 mm
Dimension a	30.48 mm

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## Technical data

### General

Range of articles	GMVSTBR 2,5/...-STF
Type of contact	Female connector
Number of positions	5
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)	500 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 <sup>2</sup>
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 <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>

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## Technical data

### Connection data

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

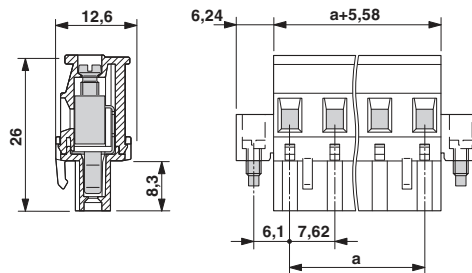
### Standards and Regulations

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

## Drawings

Dimensional drawing

Diagram



## 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

### UNSPSC

UNSPSC 6.01	30211810
UNSPSC 7.0901	39121409
UNSPSC 11	39121409
UNSPSC 12.01	39121409
UNSPSC 13.2	39121409

## Approvals


### Approvals


#### Approvals

CSA / UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / IECCE CB Scheme / EAC / EAC / cULus Recognized

#### Ex Approvals

### Approval details


CSA  <a href="http://www.csagroup.org/us/en/services/testing-and-certification/certified-product-listing-13631">http://www.csagroup.org/us/en/services/testing-and-certification/certified-product-listing-13631</a>		
	B	D
mm <sup>2</sup> /AWG/kcmil	28-12	28-12
Nominal current IN	10 A	10 A
Nominal voltage UN	300 V	300 V

UL 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> FILE E 60425		
	B	D
mm <sup>2</sup> /AWG/kcmil	30-12	30-12
Nominal current IN	15 A	10 A


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## Approvals


	B	D
Nominal voltage UN	300 V	300 V

VDE Gutachten mit Fertigungsüberwachung  <http://www.vde.de> 40004701

mm <sup>2</sup> /AWG/kcmil	0.2-2.5
Nominal current IN	12 A
Nominal voltage UN	400 V

cUL Recognized  <http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm> FILE E 60425


	B	D
mm <sup>2</sup> /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/> DE1-56062-B1B2

mm <sup>2</sup> /AWG/kcmil	0.2-2.5
Nominal current IN	12 A
Nominal voltage UN	400 V

EAC EAC-Zulassung

EAC B.01742

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

## Accessories

Accessories

Coding element

## Printed-circuit board connector - GMVSTBR 2,5/ 5-STF-7,62 - 1847916

### Accessories

Coding profile - CP-MSTB - 1734634

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



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### Labeled terminal marker

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

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### 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

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### Additional products

Base strip - GMSTB 2,5/ 5-GF-7,62 - 1806258

Header, Nominal current: 12 A, Rated voltage (III/2): 630 V, Number of positions: 5, Pitch: 7.62 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering



## Printed-circuit board connector - GMVSTBR 2,5/ 5-STF-7,62 - 1847916

### Accessories

Base strip - GMSTBV 2,5/ 5-GF-7,62 - 1829183

Header, Nominal current: 12 A, Rated voltage (III/2): 630 V, Number of positions: 5, Pitch: 7.62 mm, Color: green,  
Contact surface: Tin, Mounting: Wave soldering

