

# Printed-circuit board connector - GMVSTBR 2,5/12-STF-7,62 EX - 1809995

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PCB connector, nominal current: 12 A, rated voltage (III/2): 630 V, nominal current (Ex): 12 A, nominal voltage (Ex): 352 V, number of positions: 12, 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

- Well-known connection principle allows worldwide use
- Low temperature rise, thanks to maximum contact force
- Larger pitch for increased voltage requirements
- Satisfies the more stringent safety requirements of "Ex e" protection according to IEC 60079-7 for potentially explosive areas
- Screwable flange for superior mechanical stability



## Key Commercial Data

Packing unit	50 STK
GTIN	
GTIN	4046356705929

## Technical data

### Dimensions

Length [ l ]	12.5 mm
Width [ w ]	89.4 mm
Height [ h ]	26 mm
Pitch	7.62 mm
Dimension a	83.82 mm

### General

Range of articles	GMVSTBR 2,5/..-STF-EX
Type of contact	Female connector

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## Technical data

### General

Number of positions	12
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>
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>

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## Technical data

### Connection data

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>

### Standards and Regulations

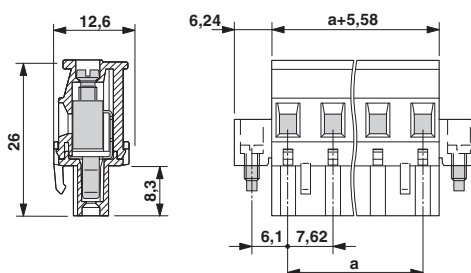
Connection in acc. with standard	EN-VDE
Flammability rating according to UL 94	V0

### 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

Dimensional drawing



## Approvals

### Approvals

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Approvals

EAC

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Ex Approvals

EAC Ex

### Approval details

## Printed-circuit board connector - GMVSTBR 2,5/12-STF-7,62 EX - 1809995

### Approvals

EAC		B.01742
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