Printed-circuit board connector - FRONT-GMSTB 2,5/ 7-ST-7,62 - 1806164

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Plug component, Nominal current: 12 A, Rated voltage (III/2): 630 V, Number of positions: 7, Pitch: 7.62 mm, Connection method: Screw connection, 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

Key commercial data

Packing unit	50 pc
GTIN	4 017918 046835
Weight per Piece (excluding packing)	23.07 g
Custom tariff number	85366990
Country of origin	Germany
Note	Made to Order (non-returnable)

Technical data

Dimensions

Pitch	7.62 mm
Dimension a	45.72 mm

General

Range of articles	FRONT-GMSTB 2,5/..-ST
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

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Technical data

General

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 mm²
Maximum load current	12 A
Insulating material	PA
Inflammability class according to UL 94	V0
Internal cylindrical gage	A3
Stripping length	10 mm
Number of positions	7
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

Connection data

Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	2.5 mm²
Conductor cross section stranded min.	0.2 mm²
Conductor cross section stranded max.	2.5 mm²
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm²
Conductor cross section stranded, with ferrule without plastic sleeve max.	2.5 mm²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm²
Conductor cross section stranded, with ferrule with plastic sleeve max.	2.5 mm²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12
2 conductors with same cross section, solid min.	0.2 mm²
2 conductors with same cross section, solid max.	1.5 mm²
2 conductors with same cross section, stranded min.	0.2 mm²
2 conductors with same cross section, stranded max.	1.5 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1 mm²
Minimum AWG according to UL/CUL	30

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Technical data

Connection data

Maximum AWG according to UL/CUL	12

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

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 / IECEE CB Scheme / CCA / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

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Approvals

CSA

	B	D
mm²/AWG/kcmil	22-12	22-12
Nominal current IN	10 A	10 A
Nominal voltage UN	300 V	300 V

UL Recognized

	B	D
mm²/AWG/kcmil	30-12	30-12
Nominal current IN	15 A	10 A
Nominal voltage UN	300 V	300 V

VDE Gutachten mit Fertigungsüberwachung

mm²/AWG/kcmil	0.34-2.5
Nominal current IN	12 A
Nominal voltage UN	400 V

cUL Recognized

	B	D
mm²/AWG/kcmil	30-12	30-12
Nominal current IN	15 A	10 A
Nominal voltage UN	300 V	300 V

IECEE CB Scheme

mm²/AWG/kcmil	0.34-2.5
Nominal current IN	12 A
Nominal voltage UN	400 V

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Approvals

CCA	
mm²/AWG/kcmil	0.34-2.5
Nominal current IN	12 A
Nominal voltage UN	400 V

EAC

cULus Recognized

Accessories

Accessories

Bridge

Insertion bridge - EBP 2- 5 - 1733169

Insertion bridge, fully insulated, for connectors with 5.0 or 5.08 mm pitch, no. of positions: 2

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

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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Accessories

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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Accessories - FRONT-MSTB-EW - 1763058

Removal aid, for FRONT-MSTB, facilitates extraction of several plugs mounted behind each other

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Additional products

Base strip - GMSTBV 2,5/ 7-G-7,62 - 1766615

Header, Nominal current: 12 A, Rated voltage (III/2): 630 V, Number of positions: 7, Pitch: 7.62 mm, Color: green, Contact surface: Tin, Mounting: Soldering

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Base strip - GMSTB 2,5/ 7-G-7,62 - 1766178

Header, Nominal current: 12 A, Rated voltage (III/2): 630 V, Number of positions: 7, Pitch: 7.62 mm, Color: green, Contact surface: Tin, Mounting: Soldering

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Base strip - GMSTBA 2,5/ 7-G-7,62 - 1766288

Header, Nominal current: 12 A, Rated voltage (III/2): 630 V, Number of positions: 7, Pitch: 7.62 mm, Color: green, Contact surface: Tin, Mounting: Soldering

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Accessories

Base strip - GMSTBVA 2,5/ 7-G-7,62 - 1766822

Header, Nominal current: 12 A, Rated voltage (III/2): 630 V, Number of positions: 7, Pitch: 7.62 mm, Color: green, Contact surface: Tin, Mounting: Soldering

Printed-circuit board connector - GIC 2,5/ 7-ST-7,62 - 1828854

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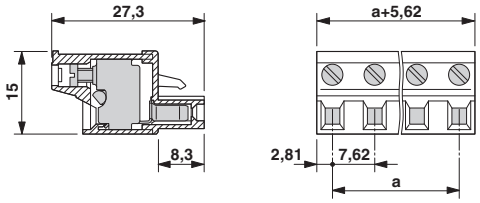
Drawings

Dimensioned drawing



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