

# Printed-circuit board connector - FRONT-MSTB 2,5/ 2-ST - 1779411

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Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5 mm, Connection method: Screw connection, Color: green, Contact surface: Tin



The figure shows a 10-position version of the product

## Product description


Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

## Why buy this product

- With front screw connection
- Plug-in direction parallel to the conductor axis
- For larger numbers of positions up to 24-pos., visit: [www.phoenixcontact.net/catalog](http://www.phoenixcontact.net/catalog)



## Key commercial data

Packing unit	1
Minimum order quantity	50
Catalog page	Page 242 (CC-2011)
GTIN	 4 017918 040109
Weight per piece (including packing)	0.0 GRM
Weight per Piece (excluding packing)	5.77 GRM
Country of origin	GERMANY

## Technical data

### Dimensions / positions

Pitch	5 mm
Dimension a	5 mm
Number of positions	2
Screw thread	M2,5
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

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## Technical data

### Technical data

Range of articles	FRONT-MSTB 2,5/..-ST
Insulating material group	I
Rated surge voltage (III/3)	4 kV
Rated surge voltage (III/2)	4 kV
Rated surge voltage (II/2)	4 kV
Rated voltage (III/2)	320 V
Rated voltage (II/2)	630 V
Connection in acc. with standard	EN-VDE
Nominal current I <sub>N</sub>	12 A
Nominal voltage U <sub>N</sub>	250 V
Nominal cross section	2.5 mm <sup>2</sup>
Maximum load current	12 A
Insulating material	PA
Inflammability class according to UL 94	V0
Internal cylindrical gage	A3
Stripping length	10 mm
Nominal voltage, UL/CUL Use Group B	250 V
Nominal current, UL/CUL Use Group B	12 A
Nominal voltage, UL/CUL Use Group D	300 V
Nominal current, UL/CUL Use Group D	10 A

### Connection data

Conductor cross section solid min.	0.34 mm <sup>2</sup>
Conductor cross section solid max.	2.5 mm <sup>2</sup>
Conductor cross section stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	2.5 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve max.	2.5 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve max.	2.5 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil 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.	1.5 mm <sup>2</sup>
Minimum AWG according to UL/CUL	30
Maximum AWG according to UL/CUL	12

## Classifications

### eclass

eClass 4.0	272607xx
eClass 4.1	27260701
eClass 5.0	27260701
eClass 5.1	27260701
eClass 6.0	27260704

### etim

ETIM 3.0	EC001121
ETIM 4.0	EC002638

### unspsc

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

## Approvals

### Certificates

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#### Certification

CSA / UL Recognized / VDE report with production monitoring / cUL Recognized / GOST / IECEE CB Scheme / cULus Recognized

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#### Certification EX

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#### Certification submitted

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### Approval details

# Printed-circuit board connector - FRONT-MSTB 2,5/ 2-ST - 1779411

## Approvals

CSA		
	B	D
mm <sup>2</sup> /AWG/kcmil	22-12	22-12
Nominal current I <sub>N</sub>	10 A	10 A
Nominal voltage U <sub>N</sub>	300 V	300 V

UL Recognized		
	B	D
mm <sup>2</sup> /AWG/kcmil	30-12	30-12
Nominal current I <sub>N</sub>	12 A	10 A
Nominal voltage U <sub>N</sub>	250 V	300 V

VDE report with production monitoring	
mm <sup>2</sup> /AWG/kcmil	0.34-2.5
Nominal current I <sub>N</sub>	12 A
Nominal voltage U <sub>N</sub>	250 V

cUL Recognized		
	B	D
mm <sup>2</sup> /AWG/kcmil	30-12	30-12
Nominal current I <sub>N</sub>	12 A	10 A
Nominal voltage U <sub>N</sub>	250 V	300 V

GOST
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IECEE CB Scheme	
mm <sup>2</sup> /AWG/kcmil	0.34-2.5
Nominal current I <sub>N</sub>	12 A
Nominal voltage U <sub>N</sub>	250 V

cULus Recognized
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## Accessories

Accessories

Assembly

# Printed-circuit board connector - FRONT-MSTB 2,5/ 2-ST - 1779411

## Accessories

Accessories - FRONT-MSTB-EW - 1763058

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



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## Bridges

Insertion bridge - EBL 2- 5 - 2303145

Insertion bridge, Number of positions: 2, Color: gray



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## Marking

Marker cards - SK 5/3,8:FORTL.ZAHLEN - 0804183

Marker cards, Card, white, Labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - (99)100, Mounting type:



Marker cards - SK 5/3,8:SO - 0805072

Marker cards, white, Mounting type: Adhesive, For terminal block width: 5 mm



Marker pen - B-STIFT - 1051993

Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm



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## Plug/Adapter

# Printed-circuit board connector - FRONT-MSTB 2,5/ 2-ST - 1779411

## Accessories

Coding profile - CP-MSTB - 1734634

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



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## 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-co



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## Additional products

Base strip - DFK-MSTB 2,5/ 2-G - 0707109

Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5 mm, Connection method



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Base strip - MSTBW 2,5/ 2-G - 1736111

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5 mm, Color: green, Contact surface



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Base strip - MSTBVA 2,5/ 2-G - 1755516

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5 mm, Color: green, Contact surface



# Printed-circuit board connector - FRONT-MSTB 2,5/ 2-ST - 1779411

## Accessories

### Base strip - MSTBV 2,5/ 2-G - 1753437

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5 mm, Color: green, Contact surface



### Base strip - MSTB 2,5/ 2-G - 1754436

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5 mm, Color: green, Contact surface



### Base strip - MDSTBA 2,5/ 2-G - 1846519

Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5 mm, Color: green, Contact surface



### Base strip - MDSTBVA 2,5/ 2-G - 1845785

Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5 mm, Color: green, Contact surface



### Base strip - EMSTBA 2,5/ 2-G - 1899841

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5 mm, Color: green, Contact surface



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## Accessories

Base strip - EMSTBVA 2,5/ 2-G - 1914852

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5 mm, Color: green, Contact surface



Base strip - MSTBA 2,5/ 2-G-LA - 1770481

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5 mm, Color: green, Contact surface



Base strip - MSTBA 2,5/ 2-G - 1757475

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5 mm, Color: green, Contact surface



Base strip - MSTB 2,5/ 2-G-LA - 1768189

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5 mm, Color: green, Contact surface



Base strip - MDSTBW 2,5/ 2-G - 1802443

Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5 mm, Color: green, Contact surface





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## Accessories

Base strip - MDSTBV 2,5/ 2-G - 1763032

Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5 mm, Color: green, Contact surface



Base strip - MDSTB 2,5/ 2-G - 1762046

Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5 mm, Color: green, Contact surface



Base strip - SMSTBA 2,5/ 2-G - 1769803

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5 mm, Color: green, Contact surface



Base strip - SMSTB 2,5/ 2-G - 1769230

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5 mm, Color: green, Contact surface



## Drawings

Dimensioned drawing

