

# Printed-circuit board connector - FRONT-MSTB 2,5/ 7-ST-5,08 - 1777332

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://download.phoenixcontact.com>)

Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 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: 7, Pitch: 5.08 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 039486
Weight per piece (including packing)	0.0 GRM
Weight per Piece (excluding packing)	20.41 GRM
Country of origin	GERMANY

## Technical data

### Dimensions / positions

Pitch	5.08 mm
Dimension a	30.48 mm
Number of positions	7
Screw thread	M2,5
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

# Printed-circuit board connector - FRONT-MSTB 2,5/ 7-ST-5,08 - 1777332

## 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>

# Printed-circuit board connector - FRONT-MSTB 2,5/ 7-ST-5,08 - 1777332

## 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

---

#### Certification

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

---

#### Certification EX

---

#### Certification submitted

---

### Approval details

# Printed-circuit board connector - FRONT-MSTB 2,5/ 7-ST-5,08 - 1777332

## 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
------

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
------------------

## Accessories

Accessories

Assembly

# Printed-circuit board connector - FRONT-MSTB 2,5/ 7-ST-5,08 - 1777332

## Accessories

Accessories - FRONT-MSTB-EW - 1763058

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



---

## Bridges

Insertion bridge - EBL 2- 5 - 2303145

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



---

Insertion bridge - EBL 3- 5 - 2303158

Insertion bridge, Number of positions: 3, Color: gray



---

Insertion bridge - EBL 4- 5 - 2303161

Insertion bridge, Number of positions: 4, Color: gray



---

Insertion bridge - EBL 5- 5 - 2303174

Insertion bridge, Number of positions: 5, Color: gray



---

## Marking

## Printed-circuit board connector - FRONT-MSTB 2,5/ 7-ST-5,08 - 1777332

### Accessories

Marker cards - SK 5,08/3,8:FORTL.ZAHLEN - 0804293

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



Marker cards - SK U/2,8 WH:UNBEDRUCKT - 0803883

Marker cards, Sheet, white, Unlabeled, Can be labeled with: Plotter, Office-Drucksysteme, Mounting type: Adhesive



Marker cards - SK 5,08/2,8:SO - 0805108

Marker cards, white, Mounting type: Adhesive, For terminal block width: 5.08 mm



Marker pen - B-STIFT - 1051993

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



### Plug/Adapter

Coding profile - CP-MSTB - 1734634

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



### Tools

# Printed-circuit board connector - FRONT-MSTB 2,5/ 7-ST-5,08 - 1777332

## Accessories

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

---

## Additional products

Plug-in block - UMSTBVK 2,5/ 7-G-5,08 - 1788169



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Connection me

---

Base strip - MSTBVK 2,5/ 7-G-5,08 - 1788774



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Connection me

---

Feed-through modular terminal block - UKK 3-MSTBVH-5,08 - 2770846



Feed-through modular terminal block, Nominal current: 12 A, Nominal voltage: 250 V, Cross section: 0.2 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG

---

Feed-through modular terminal block - UKK 3-MSTB-5,08-PE - 1876615



Feed-through modular terminal block, Nominal current: 12 A, Nominal voltage: 320 V, Cross section: 0.2 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG

## Printed-circuit board connector - FRONT-MSTB 2,5/ 7-ST-5,08 - 1777332

### Accessories

Feed-through modular terminal block - UK 3D-MSTBV-5,08-LA 24RD - 3002144



Feed-through modular terminal block, Connection method: Screw connection, Number of positions: 1, Cross section: 0.2 mm

---

Feed-through modular terminal block - UK 3-MVSTB-5,08-LA 24RD - 3002102



Feed-through modular terminal block, Nominal current: 12 A, Nominal voltage: 250 V, Cross section: 0.2 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG

---

Feed-through modular terminal block - UK 3-MVSTB-5,08 - 3002076



Feed-through modular terminal block, Nominal current: 12 A, Nominal voltage: 250 V, Cross section: 0.2 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG

---

Feed-through modular terminal block - UK 3-MVSTB-5,08/EK - 3002063



Feed-through modular terminal block, Nominal current: 12 A, Nominal voltage: 250 V, Cross section: 0.2 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG

---

Feed-through modular terminal block - ZFKK 1,5-MSTBV-5,08 - 1873016



Feed-through modular terminal block, Connection method: Special and hybrid connection, MSTB plug entry, Cross section:

---



# Printed-circuit board connector - FRONT-MSTB 2,5/ 7-ST-5,08 - 1777332

## Accessories

Base strip - MVSTBU 2,5/ 7-GB-5,08 - 1788583

Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Connection me



---

Feed-through modular terminal block - UK 3D-MSTBV-5,08/EK - 3002173

Feed-through modular terminal block, Connection method: Screw connection, Cross section: 0.2 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG 24 - 12



---

Feed-through modular terminal block - UK 3D-MSTBV-5,08 - 3002131

Feed-through modular terminal block, Connection method: Special and hybrid connection, Cross section: 0.2 mm<sup>2</sup> - 4 mm<sup>2</sup>, A



---

Feed-through modular terminal block - UK 3-MSTB-5,08 - 3002034

Feed-through modular terminal block, Connection method: Special and hybrid connection, Cross section: 0.2 mm<sup>2</sup> - 4 mm<sup>2</sup>, A



---

Double-level terminal block - UKK 3-MSTB-5,08 - 2770888

Double-level modular terminal block with COMBICON plug-in zone, nominal current: 12 A, nominal voltage: 250 V, cross sec



## Printed-circuit board connector - FRONT-MSTB 2,5/ 7-ST-5,08 - 1777332

### Accessories

Base strip - MDSTBA 2,5/ 7-G-5,08 - 1842115

Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Contact su



Base strip - EMSTBA 2,5/ 7-G-5,08 - 1880355

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Contact su



Base strip - EMSTBVA 2,5/ 7-G-5,08 - 1859564

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Contact su



Printed-circuit board connector - FKIC 2,5/ 7-ST-5,08 - 1873401

Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Connection me



Base strip - MSTBA 2,5/ 7-G-5,08-LA - 1770999

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Contact su



## Printed-circuit board connector - FRONT-MSTB 2,5/ 7-ST-5,08 - 1777332

### Accessories

Base strip - MSTBA 2,5/ 7-G-5,08 - 1757297

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Contact su



Base strip - MSTB 2,5/ 7-G-5,08-LA - 1770766

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Contact su



Base strip - MDSTBV 2,5/ 7-G1-5,08 - 1762554

Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Contact su



Base strip - MDSTB 2,5/ 7-G1-5,08 - 1762428

Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Contact su



Base strip - SMSTBA 2,5/ 7-G-5,08 - 1767423

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Contact su



## Printed-circuit board connector - FRONT-MSTB 2,5/ 7-ST-5,08 - 1777332

### Accessories

Base strip - SMSTB 2,5/ 7-G-5,08 - 1769515

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Contact su



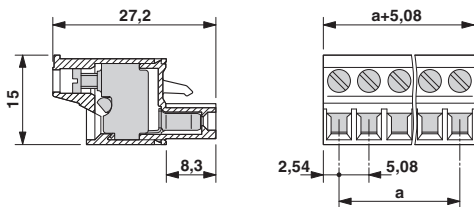
Printed-circuit board connector - ICC 2,5/ 7-STZ-5,08 - 1823891

Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Connection me



### Drawings

Dimensioned drawing



© Phoenix Contact 2012 - all rights reserved  
<http://www.phoenixcontact.com>