

Printed-circuit board connector - FRONT-MSTB 2,5/ 5-ST - 1779440

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



Key commercial data

Packing unit	1
Minimum order quantity	50
Catalog page	Page 242 (CC-2011)
GTIN	 4 017918 040130
Weight per piece (including packing)	0.0 GRM
Weight per Piece (excluding packing)	14.49 GRM
Country of origin	GERMANY

Technical data

Dimensions / positions

Pitch	5 mm
Dimension a	20 mm
Number of positions	5
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 IN	12 A
Nominal voltage UN	250 V
Nominal cross section	2.5 mm ²
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 ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	2.5 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	2.5 mm ²
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 ²
2 conductors with same cross section, solid max.	1 mm ²
2 conductors with same cross section, stranded min.	0.2 mm ²
2 conductors with same cross section, stranded max.	1.5 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1 mm ²

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Connection data

2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1.5 mm ²
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/ 5-ST - 1779440

Approvals

CSA		
	B	D
mm²/AWG/kcmil	22-12	22-12
Nominal current I _N	10 A	10 A
Nominal voltage U _N	300 V	300 V

UL Recognized		
	B	D
mm²/AWG/kcmil	30-12	30-12
Nominal current I _N	12 A	10 A
Nominal voltage U _N	250 V	300 V

VDE report with production monitoring	
mm²/AWG/kcmil	0.34-2.5
Nominal current I _N	12 A
Nominal voltage U _N	250 V

cUL Recognized		
	B	D
mm²/AWG/kcmil	30-12	30-12
Nominal current I _N	12 A	10 A
Nominal voltage U _N	250 V	300 V

GOST

IECEE CB Scheme	
mm²/AWG/kcmil	0.34-2.5
Nominal current I _N	12 A
Nominal voltage U _N	250 V

cULus Recognized

Accessories

Accessories

Assembly

Printed-circuit board connector - FRONT-MSTB 2,5/ 5-ST - 1779440

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 5- 5 - 2303174

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



Insertion bridge - EBL 4- 5 - 2303161

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



Marking

Printed-circuit board connector - FRONT-MSTB 2,5/ 5-ST - 1779440

Accessories

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

Plug/Adapter

Coding profile - CP-MSTB - 1734634

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



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

Additional products

Printed-circuit board connector - FRONT-MSTB 2,5/ 5-ST - 1779440

Accessories

Base strip - DFK-MSTB 2,5/ 5-G - 0707138



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

Base strip - MSTBW 2,5/ 5-G - 1736085

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



Base strip - MSTBVA 2,5/ 5-G - 1755545

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



Base strip - MSTBV 2,5/ 5-G - 1753495

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



Base strip - MSTB 2,5/ 5-G - 1754494

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



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Accessories

Base strip - MDSTBVA 2,5/ 5-G - 1845811

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



Base strip - MDSTBA 2,5/ 5-G - 1846548

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



Base strip - EMSTBA 2,5/ 5-G - 1899870

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



Base strip - EMSTBVA 2,5/ 5-G - 1914881

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



Base strip - MSTBA 2,5/ 5-G-LA - 1770517

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



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Accessories

Base strip - MSTBA 2,5/ 5-G - 1757501

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



Base strip - MSTB 2,5/ 5-G-LA - 1768215

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



Base strip - SMSTBA 2,5/ 5-G - 1769832

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



Base strip - SMSTB 2,5/ 5-G - 1769269

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

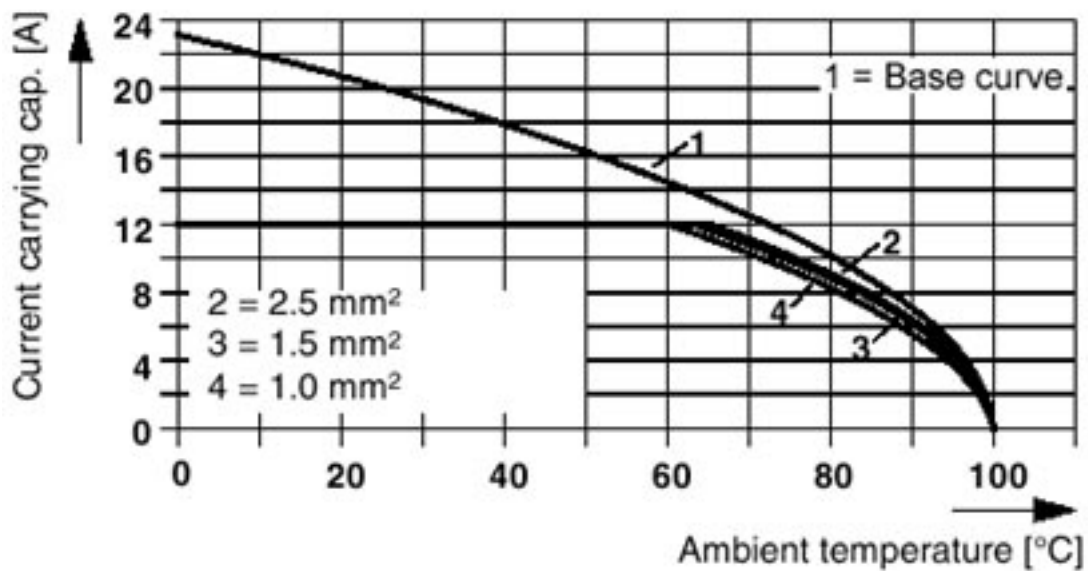


Drawings

Printed-circuit board connector - FRONT-MSTB 2,5/ 5-ST - 1779440

Diagram

Plug: FRONT-MSTB 2,5/5-ST(F)-(-5,08)
Header: MSTB(A) 2,5/5-G(F)-(-5,08)



Dimensioned drawing

