Printed-circuit board connector - FRONT-MSTB 2,5/16-STF-5,08 - 1777934

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)



The figure shows a 10-position version of the product

Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 16, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

Product Features

- With front screw connection
- Plug-in direction parallel to the conductor axis
- For larger numbers of positions up to 24-pos., visit: phoenixcontact.net/products

Key commercial data

package_quantity	50
GTIN	4017918039806

Technical data

Dimensions

Pitch	5.08 mm
Dimension a	76.2 mm

General

Range of articles	FRONT-MSTB 2,5/..-STF
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/3)	250 V
Rated voltage (III/2)	320 V
Rated voltage (II/2)	630 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

Printed-circuit board connector - FRONT-MSTB 2,5/16-STF-5,08 - 1777934

Technical data

General

Internal cylindrical gage	A3
Stripping length	10 mm
Number of positions	16
Screw thread	M2,5
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
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

Printed-circuit board connector - FRONT-MSTB 2,5/16-STF-5,08 - 1777934

classifications

eCl@ss

eCl@ss 5.1	27260701
eCl@ss 6.0	27260704
eCl@ss 7.0	27440402
eCl@ss 8.0	27440402

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

CSA / UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / GOST / GL / IECEE CB Scheme / GOST / CCA / cULus Recognized /

Approval details

CSA

Usegroups	**B**	**D**
Nominal voltage UN	300 V	300 V
Nominal current IN	15 A	15 A
mm²/AWG/kcmil	22-12	22-12

UL Recognized

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

Printed-circuit board connector - FRONT-MSTB 2,5/16-STF-5,08 - 1777934

approvals

VDE Gutachten mit Fertigungsüberwachung

Nominal voltage UN	250 V
Nominal current IN	12 A
mm²/AWG/kcmil	0.34-2.5

cUL Recognized

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

GOST

GL

Nominal voltage UN	250 V
Nominal current IN	8 A
mm²/AWG/kcmil	2,5

IECEE CB Scheme

Nominal voltage UN	250 V
Nominal current IN	12 A
mm²/AWG/kcmil	0.34-2.5

CCA

Nominal voltage UN	250 V

Printed-circuit board connector - FRONT-MSTB 2,5/16-STF-5,08 - 1777934

approvals

Nominal current IN	12 A
mm²/AWG/kcmil	0.34-2.5

cULus Recognized

accessories

Screwdriver tools

SZS 0,6X3,5 - 1205053



Coding element

CP-MSTB - 1734634



Labeled terminal marker

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



Terminal marking

Printed-circuit board connector - FRONT-MSTB 2,5/16-STF-5,08 - 1777934

accessories

SK U/2,8 WH:UNBEDRUCKT - 0803883



Marker pen

B-STIFT - 1051993



Bridge

EBL 10- 5 - 2303132



EBL 2- 5 - 2303145



EBL 3- 5 - 2303158



Printed-circuit board connector - FRONT-MSTB 2,5/16-STF-5,08 - 1777934

accessories

EBL 4- 5 - 2303161



EBL 5- 5 - 2303174



accessories

FRONT-MSTB-EW - 1763058



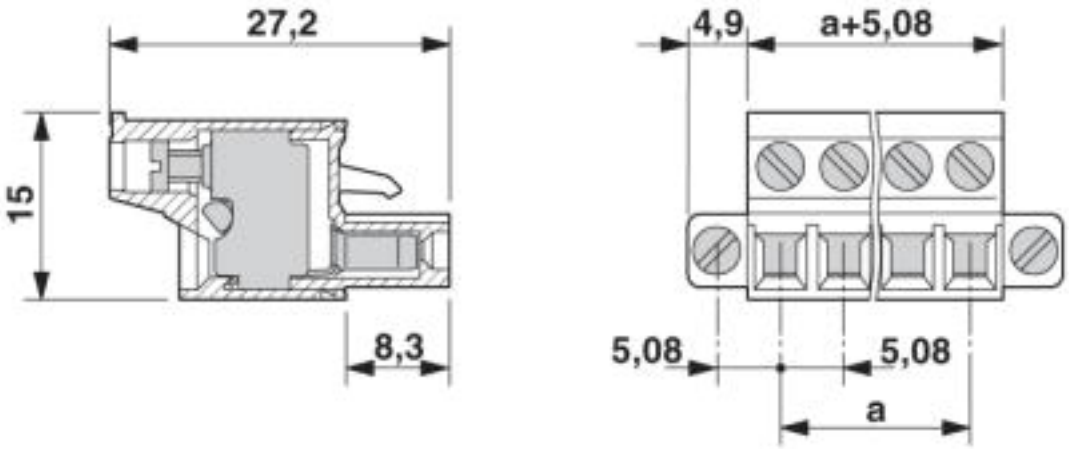
SK 5,08/2,8:SO - 0805108



Drawings

Printed-circuit board connector - FRONT-MSTB 2,5/16-STF-5,08 - 1777934

Dimensioned drawing



© Phoenix Contact 2013 - all rights reserved
http://www.phoenixcontact.com