

Printed-circuit board connector - MSTBU 2,5/22-ST-5,08-FL - 1824557

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://phoenixcontact.com/download>)



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 22, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin, Mounting: Direct mounting

The illustration shows a 15-position version



Key commercial data

Packing unit	50 pc
GTIN	 4 017918 049355
Weight per Piece (excluding packing)	44.87 g
Custom tariff number	85366990
Country of origin	Germany
Note	Made to Order (non-returnable)

Technical data

Dimensions

Pitch	5.08 mm
Dimension a	106.68 mm

General

Range of articles	MSTBU 2,5/...-ST -FL
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 mm ²

Printed-circuit board connector - MSTBU 2,5/22-ST-5,08-FL - 1824557

Technical data

General

Maximum load current	12 A
Insulating material	PA
Inflammability class according to UL 94	V0
Internal cylindrical gage	A3
Stripping length	7 mm
Number of positions	22
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

Connection data

Conductor cross section solid min.	0.2 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
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 mm ²
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

Printed-circuit board connector - MSTBU 2,5/22-ST-5,08-FL - 1824557

Classifications

eCl@ss

eCl@ss 5.0	27260701
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

Approvals

Approvals

CSA / UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / IECCEB Scheme / CCA / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

 CSA		
	B	D
mm ² /AWG/kcmil	28-12	28-12
Nominal current I _N	10 A	10 A
Nominal voltage U _N	300 V	300 V

Printed-circuit board connector - MSTBU 2,5/22-ST-5,08-FL - 1824557

Approvals

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 Gutachten mit Fertigungsüberwachung 	
mm²/AWG/kcmil	0.2-2.5
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

IECEE CB Scheme 	
mm²/AWG/kcmil	0.2-2.5
Nominal current I _N	12 A
Nominal voltage U _N	250 V

CCA	
mm²/AWG/kcmil	0.2-2.5
Nominal current I _N	12 A
Nominal voltage U _N	250 V

EAC

Printed-circuit board connector - MSTBU 2,5/22-ST-5,08-FL - 1824557

Approvals

cULus Recognized  US

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



Marker card, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - (99)100, Mounting type: Adhesive, for terminal block width: 5.08 mm, Lettering field: 5.08 x 3.8 mm

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

Printed-circuit board connector - MSTBU 2,5/22-ST-5,08-FL - 1824557

Accessories

Mounting material - FLRP/ICV 80 - 1808353



Pair of guide rails, is inserted into the groove ICV/...G, height: 86 mm, hole diameter: 3.4 mm

Additional products

Base strip - MSTB 2,5/22-G-5,08 - 1759211



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 22, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Soldering

Base strip - MSTBA 2,5/22-G-5,08 - 1757446

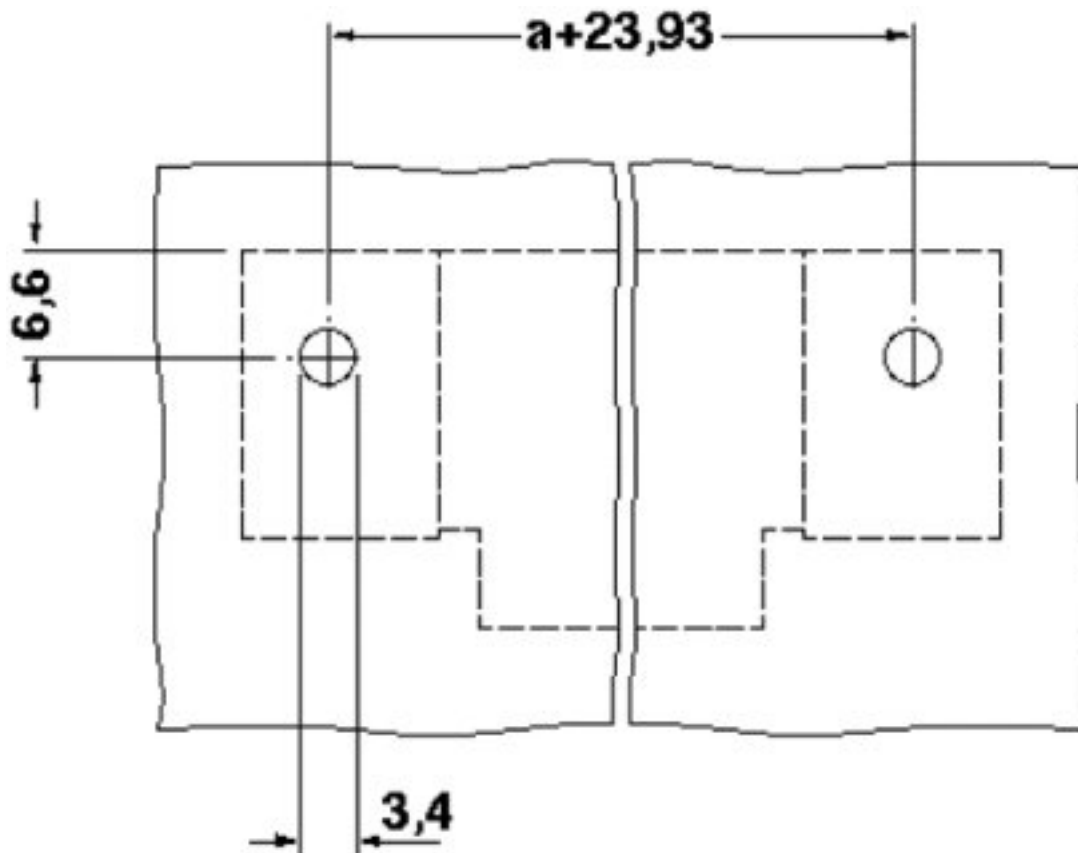


Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 22, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Soldering

Drawings

Printed-circuit board connector - MSTBU 2,5/22-ST-5,08-FL - 1824557

Drilling diagram



Dimensioned drawing

