

Base strip - MDSTBV 2,5/ 2-G-5,08 - 1763074

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The figure shows a 10-pos. version with 20 contacts

Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering, Can be aligned! Mounting flange: Order No. 1836477, 1836480. In combination with MVSTB or FKCV plug components, both an MVSTBW (or FKCVW) and an MVSTBR plug (or FKCVR) must be used. Combination with TMSTBP plug components is not possible!

Why buy this product

- ✓ Maximum flexibility when it comes to device design – one header for connectors with different connection technologies
- ✓ Easy PCB replacement thanks to plug-in modules
- ✓ Well-known mounting principle allows worldwide use
- ✓ Conductor connection on several levels enables higher contact density
- ✓ Vertical connection enables multi-row arrangement on the PCB



Key Commercial Data

Packing unit	1 STK
Minimum order quantity	50 STK
GTIN	 4 017918 031633
GTIN	4017918031633
Weight per Piece (excluding packing)	3.360 g
Custom tariff number	85366930
Country of origin	Germany

Technical data

Dimensions

Length [l]	23.7 mm
Pitch	5.08 mm
Dimension a	5.08 mm

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Technical data

Dimensions

Width [w]	12.7 mm
Constructional height	22.1 mm
Height [h]	25.6 mm
Length of the solder pin	3.5 mm
Pin dimensions	1 x 1 mm
Pin spacing	15.24 mm
Hole diameter	1.4 mm

General

Range of articles	MDSTBV 2,5/..-G
Insulating material group	IIIa
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)	400 V
Connection in acc. with standard	EN-VDE
Nominal current I _N	10 A
Maximum load current	10 A
Insulating material	PBT
Flammability rating according to UL 94	V0
Color	green
Number of positions	2

Standards and Regulations

Connection in acc. with standard	EN-VDE
	CSA
Flammability rating according to UL 94	V0

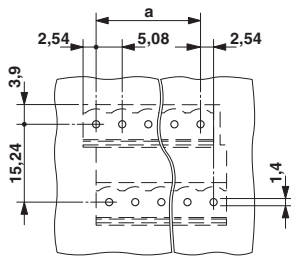
Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

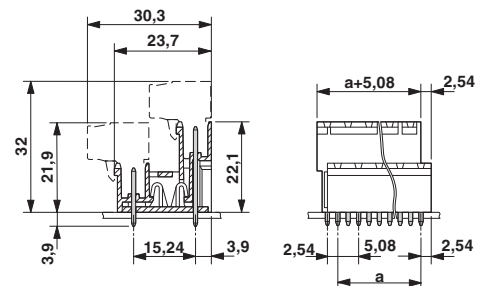
Drawings

Base strip - MDSTBV 2,5/ 2-G-5,08 - 1763074

Drilling diagram



Dimensional drawing



Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
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
eCl@ss 9.0	27440402

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002637
ETIM 5.0	EC002637
ETIM 6.0	EC002637

UNSPSC

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

Approvals

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CSA / VDE Gutachten mit Fertigungsüberwachung / IECCE CB Scheme / cULus Recognized / EAC / DNV GL

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Approvals

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services/testing-and-certification/certified-product-listing/	13631
	B	D	
Nominal current I _N	12 A	12 A	
Nominal voltage U _N	300 V	300 V	

VDE Gutachten mit Fertigungsüberwachung		http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx	40004701
Nominal current I _N	10 A		
Nominal voltage U _N	250 V		

IECEE CB Scheme		http://www.iecee.org/	DE1-58978-B1B2
Nominal current I _N	10 A		
Nominal voltage U _N	250 V		

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-19931011
	B	D	
Nominal current I _N	12 A	10 A	
Nominal voltage U _N	300 V	300 V	

EAC			B.01742
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DNV GL	http://exchange.dnv.com/tari/	TAE00001EY
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Accessories

Accessories

Coding element

Coding star - CR-MSTB - 1734401



Coding section, inserted into the recess in the header or the inverted plug, red insulating material

Filler plug

Accessories - MSTB-BL - 1755477



Keying cap, for forming sections, plugs onto header pin, green 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

PCB headers

Base strip - MDSTBV 2,5/ 2-GFL-5,08 - 1836477



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering, The article can be aligned to create different nos. of positions! In combination with MVSTB or FKCV plug components, both an MVSTBW (or FKCVW) and an MVSTBR plug (or FKCVR) must be used. Combination with TMSTBP plug components is not possible!

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Accessories

Base strip - MDSTBV 2,5/ 2-GFR-5,08 - 1836480



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering, The article can be aligned to create different nos. of positions! In combination with MVSTB or FKCV plug components, both an MVSTBW (or FKCVW) and an MVSTBR plug (or FKCVR) must be used. Combination with TMSTBP plug components is not possible!

Side element - MDSTB-SE - 1786679



Side element, for lateral sealing of MSTB headers, 2.54 mm thick, color: green

Additional products

Printed-circuit board connector - TVMSTB 2,5/ 2-ST-5,08 - 1719008



Plug component, nominal current: 12 A, rated voltage (III/2): 400 V, number of positions: 2, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, Color: green, contact surface: Tin

Printed-circuit board connector - FKCN 2,5/ 2-ST-5,08 - 1754568



Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, connection method: Push-in spring connection, Color: green, contact surface: Tin

Printed-circuit board connector - MSTB 2,5/ 2-ST-5,08 - 1757019



Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, Color: green, contact surface: Tin

Base strip - MDSTBV 2,5/ 2-G-5,08 - 1763074

Accessories

Printed-circuit board connector - MSTBP 2,5/ 2-ST-5,08 - 1769010



Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, Color: green, contact surface: Tin

Printed-circuit board connector - FRONT-MSTB 2,5/ 2-ST-5,08 - 1777280



Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, connection method: Front screw connection, Color: green, contact surface: Tin

Printed-circuit board connector - MSTBT 2,5/ 2-ST-5,08 - 1779987



Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, Color: green, contact surface: Tin

Printed-circuit board connector - MVSTBR 2,5/ 2-ST-5,08 - 1792249



Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, Color: green, contact surface: Tin

Printed-circuit board connector - MVSTBW 2,5/ 2-ST-5,08 - 1792757



Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, Color: green, contact surface: Tin

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Accessories

Printed-circuit board connector - MSTBC 2,5/ 2-ST-5,08 - 1808816



Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, connection method: Crimp connection, Color: green, Corresponding female crimp contacts with current [A] and conductor cross section range [mm²] data: 10A/MSTBC-MT 0,5-1,0 (3190564); 10A/MSTBC-MT 0,5-1,0 BA (3190645); 12A/MSTBC-MT 1,5-2,5 (3190551); 12A/MSTBC-MT 1,5-2,5 BA (3190658). BA = Bandkontakte

Printed-circuit board connector - MSTBC 2,5/ 2-STZ-5,08 - 1809501



Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, connection method: Crimp connection, Color: green, Corresponding female crimp contacts with current [A] and conductor cross section range [mm²] data: 10A/MSTBC-MT 0,5-1,0 (3190564); 10A/MSTBC-MT 0,5-1,0 BA (3190645); 12A/MSTBC-MT 1,5-2,5 (3190551); 12A/MSTBC-MT 1,5-2,5 BA (3190658). BA = Bandkontakte

Printed-circuit board connector - MSTBU 2,5/ 2-STD-5,08 - 1824120



Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, Color: green, contact surface: Tin, mounting: Direct mounting

Printed-circuit board connector - MSTBU 2,5/ 2-ST-5,08-FL - 1824353



Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, Color: green, contact surface: Tin, mounting: Direct mounting

Printed-circuit board connector - SMSTB 2,5/ 2-ST-5,08 - 1826283



Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, Color: green, contact surface: Tin

Base strip - MDSTBV 2,5/ 2-G-5,08 - 1763074

Accessories

Printed-circuit board connector - TMSTBP 2,5/ 2-ST-5,08 - 1853010



Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, Color: green, contact surface: Tin, The plug allows conductors to be looped through from module to module.

Printed-circuit board connector - FKC 2,5/ 2-ST-5,08 - 1873058



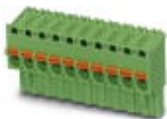
Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, connection method: Push-in spring connection, Color: green, contact surface: Tin

Printed-circuit board connector - FKCVW 2,5/ 2-ST-5,08 - 1873650



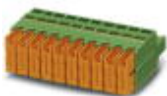
Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, connection method: Push-in spring connection, Color: green, contact surface: Tin

Printed-circuit board connector - FKCVR 2,5/ 2-ST-5,08 - 1873951



Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, connection method: Push-in spring connection, Color: green, contact surface: Tin

Printed-circuit board connector - QC 1/ 2-ST-5,08 - 1883255



Plug component, nominal current: 10 A, rated voltage (III/2): 630 V, number of positions: 2, pitch: 5.08 mm, connection method: Displacement connection, Color: green, contact surface: Tin

Base strip - MDSTBV 2,5/ 2-G-5,08 - 1763074

Accessories

Printed-circuit board connector - FKCT 2,5/ 2-ST-5,08 - 1902110



Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, connection method: Push-in spring connection, Color: green, contact surface: Tin

Printed-circuit board connector - TFKC 2,5/ 2-ST-5,08 - 1962600



Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, connection method: Push-in spring connection, Color: green, contact surface: Tin

Printed-circuit board connector - FKCS 2,5/ 2-ST-5,08 - 1975079



Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, connection method: Push-in spring connection, Color: green, contact surface: Tin