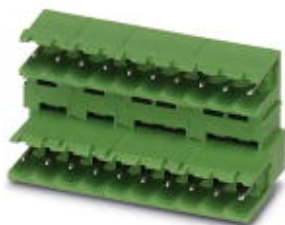


# Feed-through header - MDSTB 2 5/10-G-5 08 - 1842597

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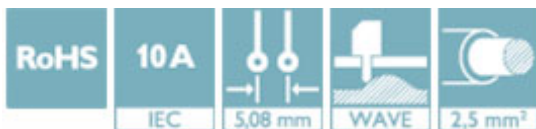


PCB headers, nominal current: 10 A, number of positions: 10, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering, Can be aligned! Mounting flange: Order No. 1736771, 1736768. In combination with MVSTB or FKCV plug components, both an MVSTBW (or FKCVW) and an MVSTBR plug (or FKCVR) must be used. Combination with TMSTBP plug components is not possible!


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

## Your advantages

- ✓ 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



## Key Commercial Data

Packing unit	50 pc
Minimum order quantity	50 pc
GTIN	 4 017918 184445
GTIN	4017918184445
Weight per Piece (excluding packing)	15.280 g
Custom tariff number	85366930
Country of origin	Germany

## Technical data

### Dimensions

Length [ l ]	22.1 mm
Width	53.34 mm
Pitch	5.08 mm
Dimension a	45.72 mm
Width [ w ]	53.34 mm
Height [ h ]	26.9 mm
Height	23.7 mm

# Feed-through header - MDSTB 2 5/10-G-5 08 - 1842597

## Technical data

### Dimensions

Length of the solder pin	3.2 mm
Pin dimensions	1 x 1 mm
Length	22.1 mm

### General

Range of articles	MDSTB 2,5/..-G
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)	400 V
Connection in acc. with standard	EN-VDE
Nominal current I <sub>N</sub>	10 A
Maximum load current	10 A
Insulating material	PBT
Color	green
Number of positions	10

### Standards and Regulations

Connection in acc. with standard	EN-VDE
	CSA

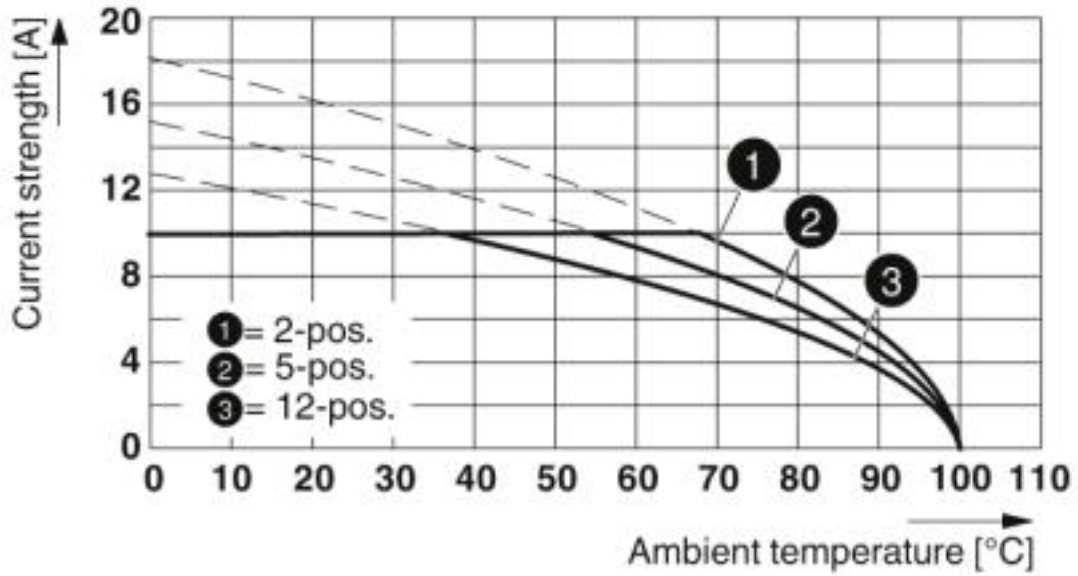
### Environmental Product Compliance

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

## Drawings

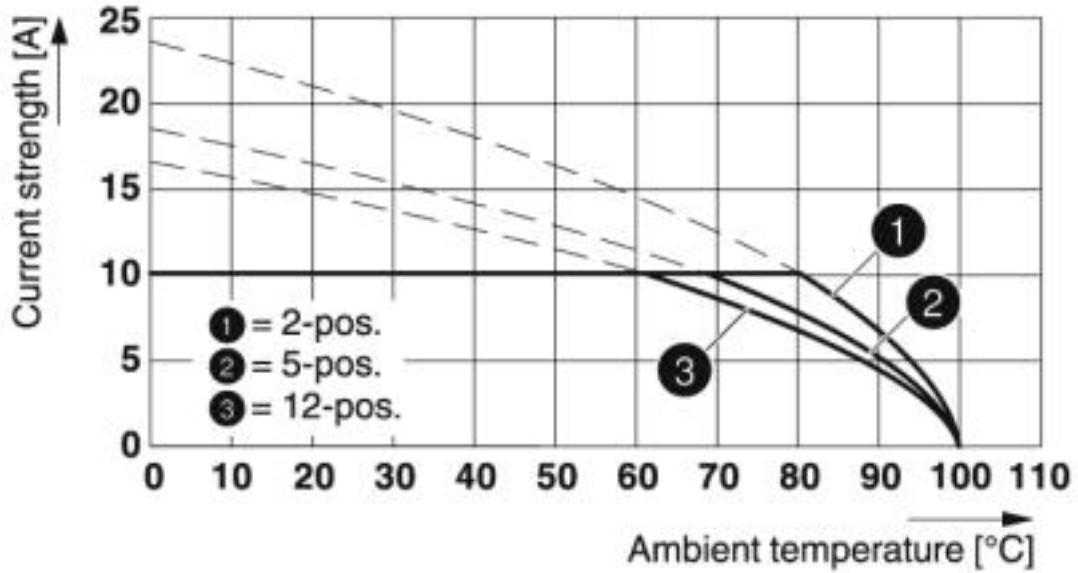
# Feed-through header - MDSTB 2 5/10-G-5 08 - 1842597

Diagram



Type: MVSTBW 2,5/...-ST-5,08 with MDSTB 2,5/...-G-5,08

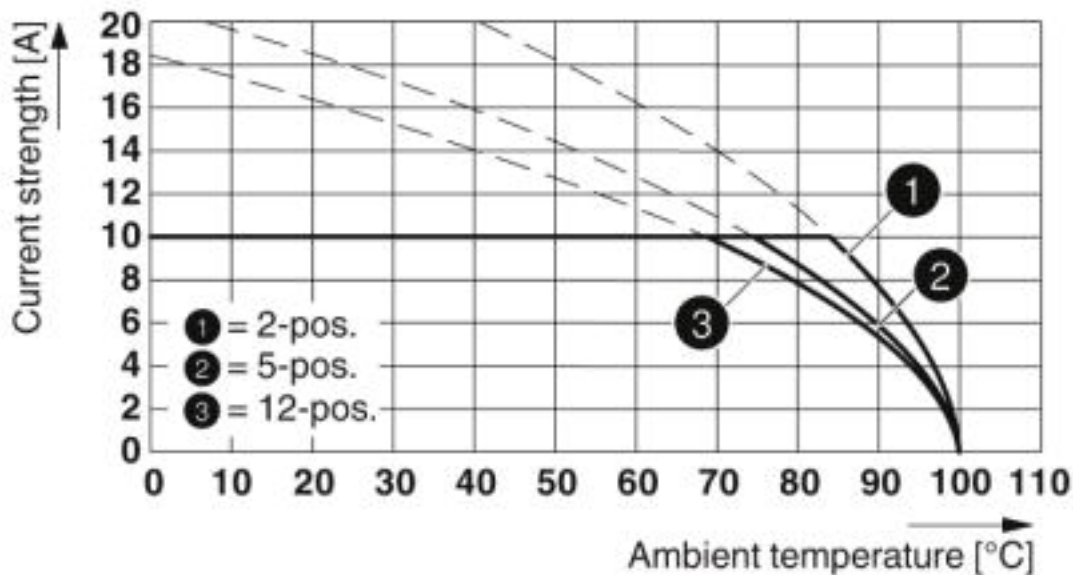
Diagram



Type: MSTB 2,5/...-ST-5,08 with MDSTB 2,5/...-G-5,08

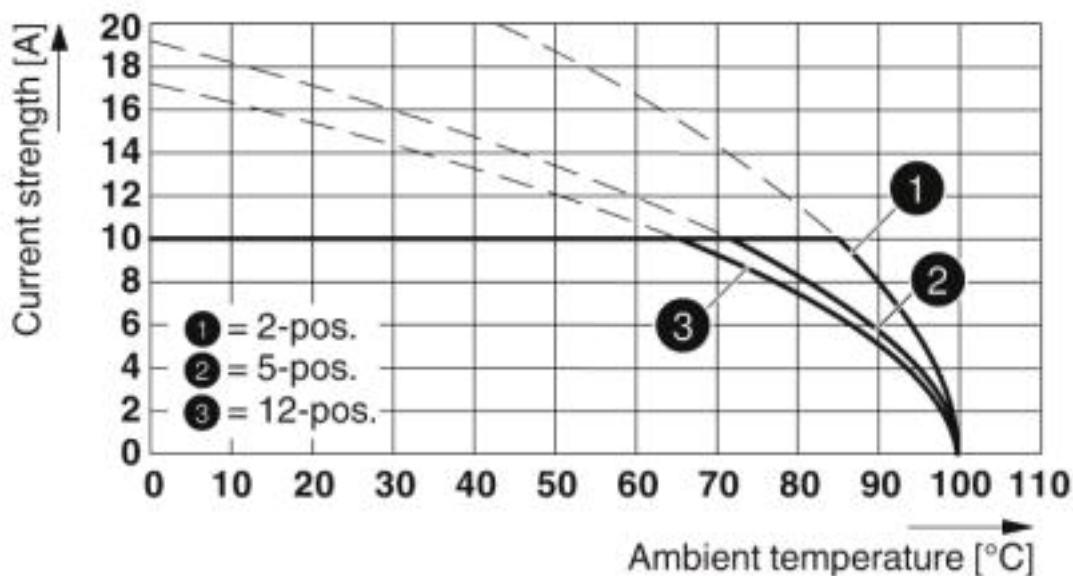
# Feed-through header - MDSTB 2 5/10-G-5 08 - 1842597

Diagram



Type: MSTBT 2,5/...-ST-5,08 with MDSTB 2,5/...-G-5,08

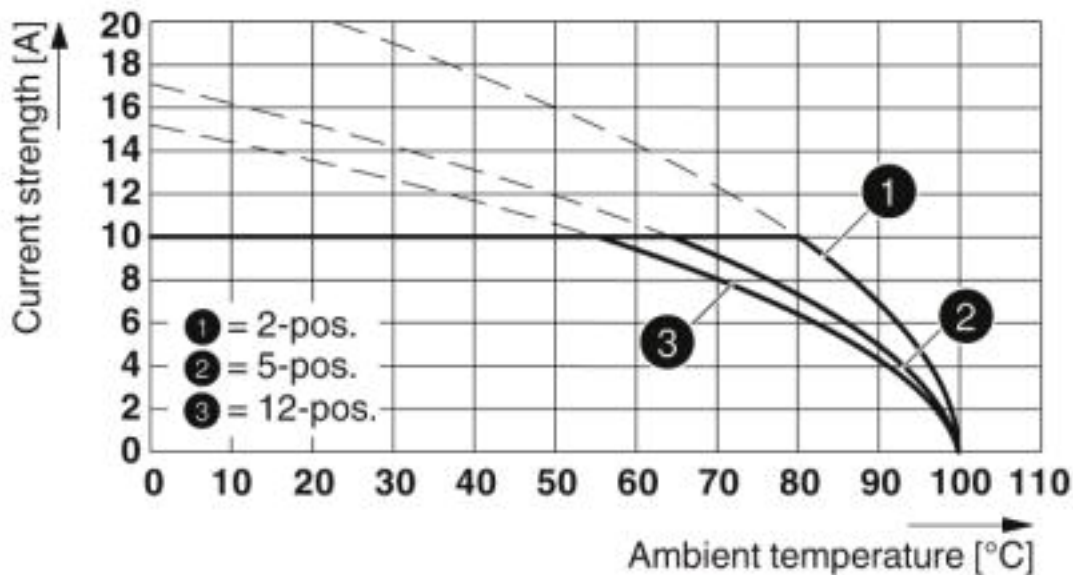
Diagram



Type: MSTBP 2,5/...-ST-5,08 with MDSTB 2,5/...-G-5,08

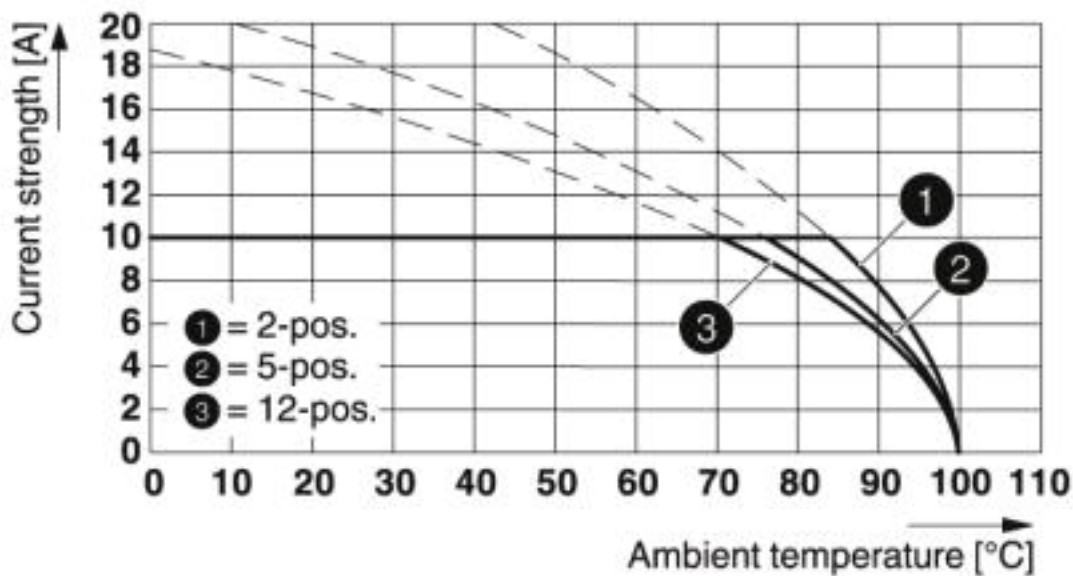
# Feed-through header - MDSTB 2 5/10-G-5 08 - 1842597

Diagram



Type: FRONT-MSTB 2,5/...-ST-5,08 with MDSTB 2,5/...-G-5,08

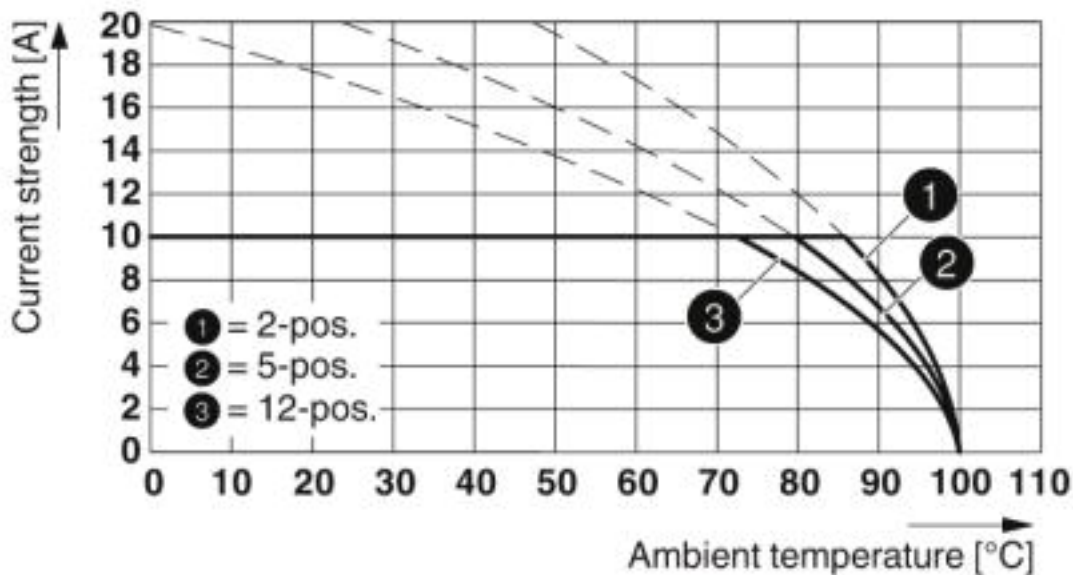
Diagram



Type: FK 2,5/...-ST-5,08 with MDSTB 2,5/...-G-5,08

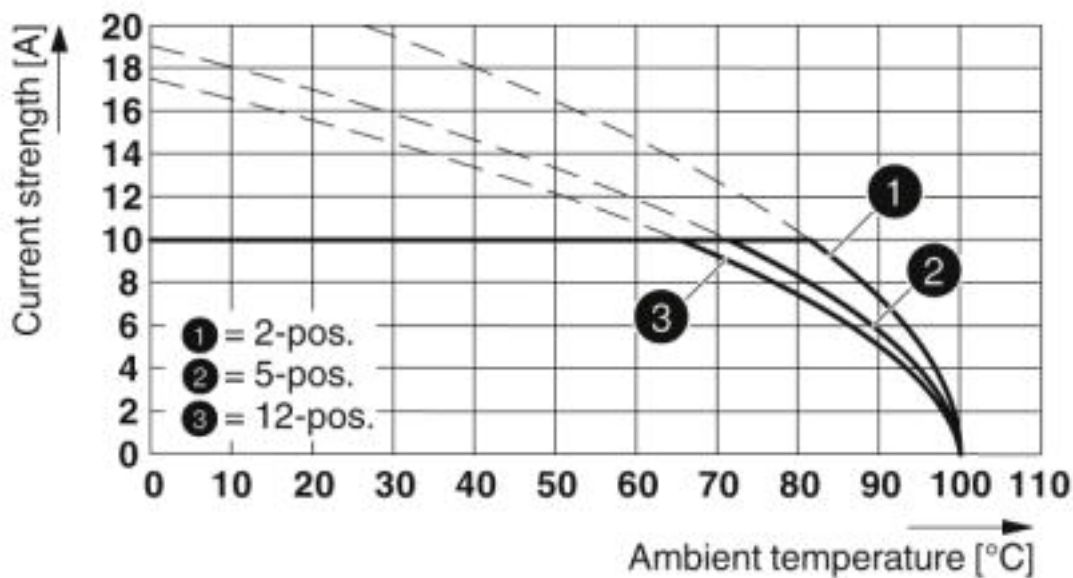
## Feed-through header - MDSTB 2 5/10-G-5 08 - 1842597

Diagram



Type:FKCV(R/W) 2,5/...-ST-5,08 with MDSTB 2,5/...-G-5,08

Diagram



Type: FKCS 2,5/...-ST-5,08 with MDSTBV 2,5/...-G-5,08

### Classifications

eCl@ss

eCl@ss 4.0	27260700
eCl@ss 4.1	27260700

# Feed-through header - MDSTB 2 5/10-G-5 08 - 1842597

## Classifications

### eCl@ss

eCl@ss 5.0	27260700
eCl@ss 5.1	27260700
eCl@ss 6.0	27260700
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
ETIM 7.0	EC002637

### UNSPSC

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

## Approvals

### Approvals

#### Approvals

CSA / IEC EE CB Scheme / VDE Gutachten mit Fertigungsüberwachung / EAC / cULus Recognized

#### Ex Approvals

### Approval details

CSA		<a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a>	LR13631-2585950
	B	D	
Nominal voltage UN	300 V	300 V	
Nominal current IN	15 A	15 A	

# Feed-through header - MDSTB 2 5/10-G-5 08 - 1842597

## Approvals

IECEE CB Scheme	<b>CB</b> scheme	<a href="http://www.iecee.org/">http://www.iecee.org/</a>	DE1-60988-B1B2
Nominal voltage UN	250 V		
Nominal current IN	10 A		

VDE Gutachten mit Fertigungsüberwachung		<a href="http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx">http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx</a>	40004701
Nominal voltage UN	250 V		
Nominal current IN	10 A		

EAC	<b>EAC</b>		B.01742
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cULus Recognized	<b>cULus</b>	<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	E60425-19931011
	B	D	
Nominal voltage UN	300 V	300 V	
Nominal current IN	15 A	10 A	

## Accessories

### Additional products

Printed-circuit board connector - TVMSTB 2,5/10-ST-5,08 - 1719082



PCB connector, nominal current: 12 A, number of positions: 10, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin

Printed-circuit board connector - MSTB 2,5/10-ST-5,08 - 1757093



PCB connector, nominal current: 12 A, number of positions: 10, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin



## Feed-through header - MDSTB 2 5/10-G-5 08 - 1842597

### Accessories

Printed-circuit board connector - MSTB 2,5/10-STZ-5,08 - 1764303



PCB connector, nominal current: 12 A, number of positions: 10, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin

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Printed-circuit board connector - MSTBP 2,5/10-ST-5,08 - 1769094



PCB connector, nominal current: 12 A, number of positions: 10, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin

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Printed-circuit board connector - FRONT-MSTB 2,5/10-ST-5,08 - 1777361



PCB connector, nominal current: 12 A, number of positions: 10, pitch: 5.08 mm, connection method: Front screw connection, color: green, contact surface: Tin

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Printed-circuit board connector - MVSTBR 2,5/10-ST-5,08 - 1792320



PCB connector, nominal current: 12 A, number of positions: 10, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin

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Printed-circuit board connector - MVSTBW 2,5/10-ST-5,08 - 1792838



PCB connector, nominal current: 12 A, number of positions: 10, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin

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## Feed-through header - MDSTB 2 5/10-G-5 08 - 1842597

### Accessories

#### Printed-circuit board connector - MSTBC 2,5/10-ST-5,08 - 1808890



PCB connector, nominal current: 12 A, number of positions: 10, pitch: 5.08 mm, connection method: Crimp connection, color: green, Corresponding female crimp contacts with current [A] and conductor cross section range [mm<sup>2</sup>] 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 2,5/10-STZ-5,08 - 1809585



PCB connector, nominal current: 12 A, number of positions: 10, pitch: 5.08 mm, connection method: Crimp connection, color: green, Corresponding female crimp contacts with current [A] and conductor cross section range [mm<sup>2</sup>] 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 2,5/10-STD-5,08 - 1824201



Direct plug-in block, nominal current: 12 A, number of positions: 10, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin, mounting: Direct mounting

#### Printed-circuit board connector - MSTBU 2,5/10-ST-5,08-FL - 1824434



Direct plug-in block, nominal current: 12 A, number of positions: 10, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin, mounting: Direct mounting

#### Printed-circuit board connector - SMSTB 2,5/10-ST-5,08 - 1826364



PCB connector, nominal current: 12 A, number of positions: 10, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin

## Feed-through header - MDSTB 2 5/10-G-5 08 - 1842597

### Accessories

Printed-circuit board connector - MSTBVK 2,5/10-ST-5,08 - 1831391



DIN rail connector, nominal current: 12 A, number of positions: 10, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin, mounting: DIN rail

Printed-circuit board connector - UMSTBVK 2,5/10-ST-5,08 - 1833894



DIN rail connector, nominal current: 12 A, number of positions: 10, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin, mounting: DIN rail

Printed-circuit board connector - TMSTBP 2,5/10-ST-5,08 - 1853094



PCB connector, nominal current: 12 A, number of positions: 10, 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 - FKCVW 2,5/10-ST-5,08 - 1873139



PCB connector, nominal current: 12 A, number of positions: 10, pitch: 5.08 mm, connection method: Push-in spring connection, color: green, contact surface: Tin

Printed-circuit board connector - FKCVW 2,5/10-ST-5,08 - 1873731



PCB connector, nominal current: 12 A, number of positions: 10, pitch: 5.08 mm, connection method: Push-in spring connection, color: green, contact surface: Tin

## Feed-through header - MDSTB 2 5/10-G-5 08 - 1842597

### Accessories

Printed-circuit board connector - FKCVR 2,5/10-ST-5,08 - 1874031



PCB connector, nominal current: 12 A, number of positions: 10, pitch: 5.08 mm, connection method: Push-in spring connection, color: green, contact surface: Tin

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Printed-circuit board connector - QC 1/10-ST-5,08 - 1883336



PCB connector, nominal current: 10 A, number of positions: 10, pitch: 5.08 mm, connection method: Displacement connection, color: green, contact surface: Tin

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Printed-circuit board connector - TFKC 2,5/10-ST-5,08 - 1962684



PCB connector, nominal current: 12 A, number of positions: 10, pitch: 5.08 mm, connection method: Push-in spring connection, color: green, contact surface: Tin

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Printed-circuit board connector - FKCS 2,5/10-ST-5,08 - 1975150



PCB connector, nominal current: 12 A, number of positions: 10, pitch: 5.08 mm, connection method: Push-in spring connection, color: green, contact surface: Tin

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