

## Base strip - DFK-MSTB 2,5/ 2-GF-5,08 - 0710170

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: 2, Pitch: 5.08 mm, Connection method: Solder/Slip-on connection, Color: green, Contact surface: Tin, Mounting: Direct mounting

The figure shows a 10-position version of the product

### Why buy this product

- Cable connection on the inside of the device enables flexible positioning of the panel feed-through
- Free choice – permanent solder connection or standardized slip-on connection
- Maximum flexibility when it comes to device design – one header for connectors with different connection technologies



### Key Commercial Data

Packing unit	50 STK
Minimum order quantity	50 STK
GTIN	
GTIN	4017918005207
Weight per Piece (excluding packing)	3.510 g
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### Environmental Product Compliance

China RoHS	Hazardous substances above threshold values;
	Environmentally Friendly Use Period = 50;
	For details go to tab "Downloads", Category "Manufacturer's declaration"

#### Dimensions

Length	17.5 mm
Height	29.5 mm
Width	30.48 mm

## Base strip - DFK-MSTB 2,5/ 2-GF-5,08 - 0710170

### Technical data

#### Dimensions

Pitch	5.08 mm
Dimension a	5.08 mm
Dimensions of slip-on connection	2,8 x 0,8 mm

#### General

Range of articles	DFK-MSTB 2,5/..-GF
Type of contact	Male connector
Number of positions	2
Connection method	Solder/Slip-on connection
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)	320 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 <sup>2</sup>
Maximum load current	12 A
Insulating material	PA
Flammability rating according to UL 94	V2

#### Connection data

Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	2.5 mm <sup>2</sup>
Conductor cross section flexible min.	0.2 mm <sup>2</sup>
Conductor cross section flexible max.	2.5 mm <sup>2</sup>
Conductor cross section AWG min.	24
Conductor cross section AWG max.	12

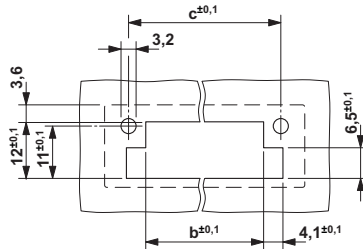
#### Standards and Regulations

Connection in acc. with standard	EN-VDE
	CSA
Flammability rating according to UL 94	V2

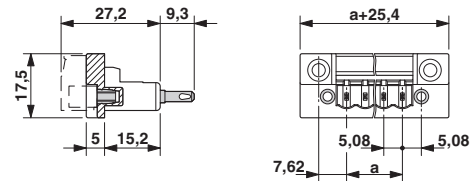
### Drawings

## Base strip - DFK-MSTB 2,5/ 2-GF-5,08 - 0710170

Drilling diagram



Dimensional drawing



Dimension b: 3.02 mm + (no. of pos. x 5.08 mm)

Dimension c: Dim. b + 7.14 mm

### Classifications

#### eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27141190
eCl@ss 6.0	27260704
eCl@ss 7.0	27440402
eCl@ss 8.0	27141134
eCl@ss 9.0	27141134

#### ETIM

ETIM 3.0	EC001283
ETIM 4.0	EC001283
ETIM 5.0	EC001283

#### UNSPSC

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

### Approvals

#### Approvals

#### Approvals

CSA / VDE Gutachten mit Fertigungsüberwachung / IECCEB Scheme / EAC / cULus Recognized / EAC

#### Ex Approvals

# Base strip - DFK-MSTB 2,5/ 2-GF-5,08 - 0710170

## Approvals

### Approval details

CSA <http://www.csagroup.org/us/en/services/testing-and-certification/certified-product-listing> 13631

	B	D
Nominal current IN	15 A	10 A
Nominal voltage UN	300 V	300 V

VDE Gutachten mit Fertigungsüberwachung <http://www.vde.de> 40004701

Nominal current IN	12 A
Nominal voltage UN	250 V

IECEE CB Scheme <http://www.iecee.org/> DE1-56062-B1B2

Nominal current IN	12 A
Nominal voltage UN	250 V

EAC EAC-Zulassung

cULus Recognized <http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm> E60425-19931011

	B	D
Nominal current IN	15 A	10 A
Nominal voltage UN	300 V	300 V

EAC B.01742

## Accessories

Accessories

Coding element

## Base strip - DFK-MSTB 2,5/ 2-GF-5,08 - 0710170

### Accessories

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

---

### Mounting material

Screw set - DFK-MSTB-SS - 0708263

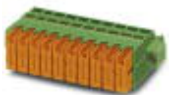


Screw set, for securing the header to the device wall, consists of an M3 x 10 screw, with a spring washer and a nut

---

### Additional products

Printed-circuit board connector - QC 1/ 2-STF-5,08 - 1883352



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

---

Printed-circuit board connector - MSTBT 2,5/ 2-STF-5,08 - 1805301

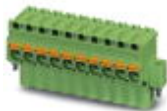


Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5.08 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin

## Base strip - DFK-MSTB 2,5/ 2-GF-5,08 - 0710170

### Accessories

#### Printed-circuit board connector - FKCVW 2,5/ 2-STF-5,08 - 1873809



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 - MVSTBR 2,5/ 2-STF-5,08 - 1835096



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-STF-5,08 - 1834903



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 - MSTBC 2,5/ 2-STZF-5,08 - 1809734



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 [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 - MSTB 2,5/ 2-STF-5,08 - 1777989



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 - DFK-MSTB 2,5/ 2-GF-5,08 - 0710170

### Accessories

#### Printed-circuit board connector - FKC 2,5/ 2-STF-5,08 - 1873207

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 - FKCT 2,5/ 2-STF-5,08 - 1902301

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 - FRONT-MSTB 2,5/ 2-STF-5,08 - 1777808

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 - FKCVR 2,5/ 2-STF-5,08 - 1874109

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 - TMSTBP 2,5/ 2-STF-5,08 - 1853104

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.

