

## Base strip - EMSTB 2,5/ 5-GF - 1900109

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>)

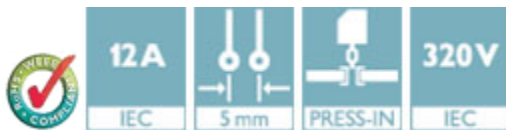
Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 5, Pitch: 5 mm, Color: green, Contact surface: Tin, Mounting: Press-in technology



The figure shows a 10-position version of the product

### Product Features

- Press-in tools available on request
- Pin strips with ERNI-PRESS flexible press-in zone
- Processing according to EN 60352-5



### Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
Weight per Piece (excluding packing)	3.97 g
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### Dimensions

Length	12 mm
Pitch	5.00 mm
Dimension a	20 mm
Constructional height	9 mm
Length of the solder pin	4.2 mm
Pin dimensions	1,7 mm
Hole diameter	1.75 mm

#### General

## Base strip - EMSTB 2,5/ 5-GF - 1900109

### Technical data

#### General

Range of articles	EMSTB 2,5/...-GF
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 $I_N$	12 A
Maximum load current	12 A
Insulating material	PBT
Flammability rating according to UL 94	V0
Color	green
Number of positions	5

#### Standards and Regulations

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

### 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

## Base strip - EMSTB 2,5/ 5-GF - 1900109

### Classifications

#### UNSPSC

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

### Approvals

#### Approvals


#### Approvals


VDE Gutachten mit Fertigungsüberwachung / IECEx CB Scheme / CCA / EAC / cULus Recognized / EAC

#### Ex Approvals

#### Approvals submitted

### Approval details

VDE Gutachten mit Fertigungsüberwachung 	
Nominal current I <sub>N</sub>	12 A
Nominal voltage U <sub>N</sub>	250 V

IECEx CB Scheme 	
Nominal current I <sub>N</sub>	12 A
Nominal voltage U <sub>N</sub>	250 V

CCA
-----

## Base strip - EMSTB 2,5/ 5-GF - 1900109

### Approvals

EAC
-----

cULus Recognized		
	B	D
Nominal current I <sub>N</sub>	15 A	10 A
Nominal voltage U <sub>N</sub>	300 V	300 V

EAC
-----

### 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 5/3,8:FORTL.ZAHLEN - 0804183



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 mm, Lettering field: 5 x 3.8 mm

## Base strip - EMSTB 2,5/ 5-GF - 1900109

### Accessories

#### Mounting material

Assembly adapters - EMSTBVA 2,5-SS-1-5,08 - 1877216



Stamp set, consisting of an upper and lower stamp, upper stamp: 2 to 16-pos., lower stamp: 2 to 24-pos., pitch: 5.08 mm

---

Accessories - EMSTBVA 2,5-SS-2-5,08 - 1877229

Stamp set, consisting of an upper and lower stamp, upper stamp: 17 to 24-pos., lower stamp: 2 to 24-pos., pitch: 5.08 mm

---

Accessories - EMSTB 2,5-SH - 1877203



Stamp holder, for upper and lower stamp

---

### Additional products

Plug - QC 1,5/ 5-STF - 1718148



Plug component, Nominal current: 12 A, Rated voltage (III/2): 630 V, Number of positions: 5, Pitch: 5 mm, Connection method: Displacement connection, Color: green, Contact surface: Tin

---

Printed-circuit board connector - FKCN 2,5/ 5-STF - 1732991



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 5, Pitch: 5 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin

## Base strip - EMSTB 2,5/ 5-GF - 1900109

### Accessories

#### Printed-circuit board connector - FRONT-MSTB 2,5/ 5-STF - 1779673



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 5, Pitch: 5 mm, Connection method: Front screw connection, Color: green, Contact surface: Tin

#### Printed-circuit board connector - MSTB 2,5/ 5-STF - 1786860



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 5, Pitch: 5 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin

#### Printed-circuit board connector - MVSTBW 2,5/ 5-STF - 1835313



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 5, Pitch: 5 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin

#### Printed-circuit board connector - MVSTBR 2,5/ 5-STF - 1835504



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 5, Pitch: 5 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin

#### Printed-circuit board connector - FKCT 2,5/ 5-STF - 1909430

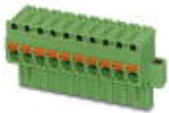


Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 5, Pitch: 5 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin

## Base strip - EMSTB 2,5/ 5-GF - 1900109

### Accessories

#### Printed-circuit board connector - FKCVR 2,5/ 5-STF - 1909919



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 5, Pitch: 5 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin

---

#### Printed-circuit board connector - FKCVW 2,5/ 5-STF - 1910238



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 5, Pitch: 5 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin

---

#### Printed-circuit board connector - FKC 2,5/ 5-STF - 1910555



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 5, Pitch: 5 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin

---

#### Printed-circuit board connector - SMSTB 2,5/ 5-STF - 1970906



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 5, Pitch: 5 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin

---

#### Printed-circuit board connector - FKCS 2,5/ 5-STF - 1974957



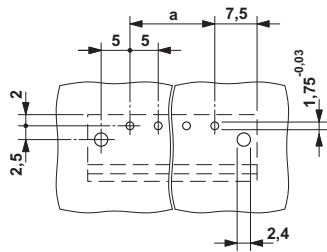
Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 5, Pitch: 5 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin

---

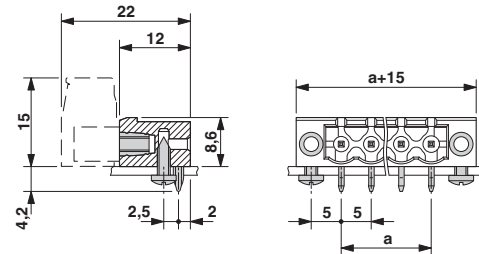
### Drawings

## Base strip - EMSTB 2,5/ 5-GF - 1900109

Drilling diagram

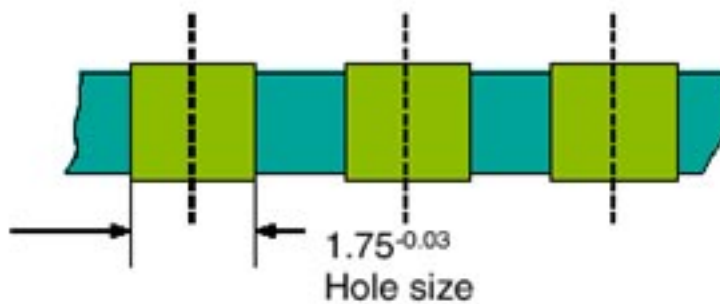


Dimensional drawing



Drilling diagram

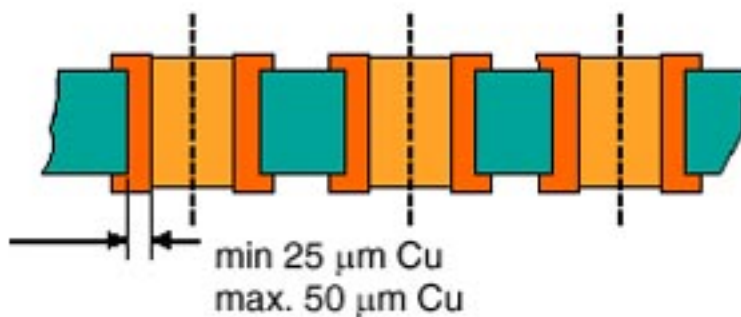
**Bore hole in the basic material,**  
mostly epoxy glass fabric FR4 or EP-GC



**Bore hole with Cu ferrule**

Drilling diagram

**Bore hole with Cu ferrule**

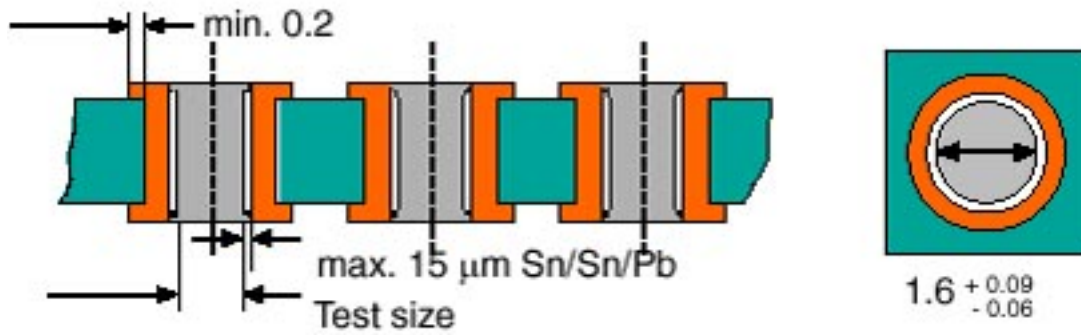




## Base strip - EMSTB 2,5/ 5-GF - 1900109

Drilling diagram

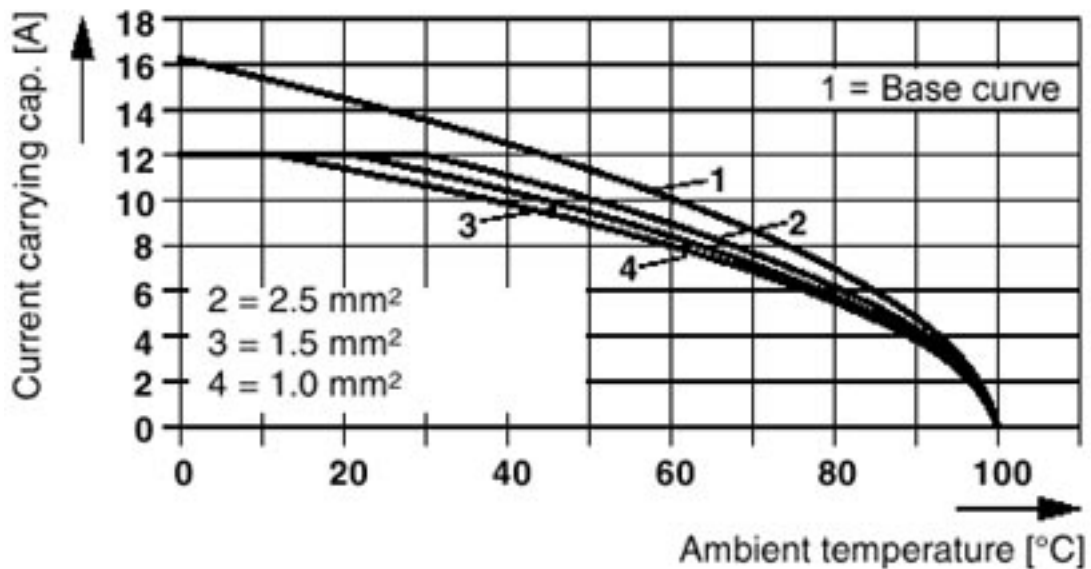
### Plated-through bore hole with Sn/SnPb



Diagram

Plug:  
Header:

MSTB 2,5/5-ST(F)(-5,08)  
EMSTB(A) 2,5/5-G(F)(-5,08)



# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Phoenix Contact:

1900109