

**DFK-MSTB 2,5/10-G**

Order No.: 0707170

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=0707170>

Plug component, Nominal current: 12 A, Nom. voltage: 320 V, Nom. voltage: 320 V, Pitch: 5 mm, Number of positions: 10, Color: green, Assembly: Direct mounting

**Commercial data**

EAN	4017918003944
Pack	50 pcs.
Customs tariff	85366990
Weight/Piece	0.01027 KG
Catalog page information	Page 284 (CC-2009)

**Product notes**

WEEE/RoHS-compliant since:  
01/01/2003



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**Technical data****Dimensions / positions**

Pitch	5 mm
Dimension a	45 mm
Number of positions	10

**Technical data**

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/2)	320 V
Rated voltage (II/2)	630 V
Connection in acc. with standard	EN-VDE
Nominal current $I_N$	12 A
Nominal voltage $U_N$	320 V
Nominal cross section	2.5 mm <sup>2</sup>
Maximum load current	12 A
Insulating material	PA
Inflammability class acc. to UL 94	V2
Max. current slip-on connection	8 A
Dimensions of slip-on connection	2.8 x 0.8 mm

**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 stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	2.5 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12

**Certificates / Approvals**



Certification CB, CSA, CUL, GOST, UL, VDE-PZI

**CSA**

Nominal voltage $U_N$	300 V
Nominal current $I_N$	10 A

**CUL**

Nominal voltage $U_N$	300 V
Nominal current $I_N$	10 A

**UL**

Nominal voltage $U_N$	300 V
Nominal current $I_N$	10 A

**Accessories**

Item	Designation	Description
<b>Assembly</b>		
5030172	DFK-MSTB-R	Locking latch, red insulating material, for housings MSTB 2.5/...ST and MSTBT 2.5/...ST
0708263	DFK-MSTB-SS	Screw set, for securing the header to the device wall, consists of an M3 x 10 screw, with a spring washer and a nut
1755477	MSTB-BL	Keying cap, for forming sections, plugs onto header pin, green insulating material

**Plug/Adapter**

1734401	CR-MSTB	Coding section, inserted into the recess in the header or the inverted plug, red insulating material
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**Additional products**

Item	Designation	Description
<b>Assembly</b>		
1909294	FKCT 2,5/10-ST	Plug component, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5 mm, Number of positions: 10, Connection type: Spring-cage conn., Color: green

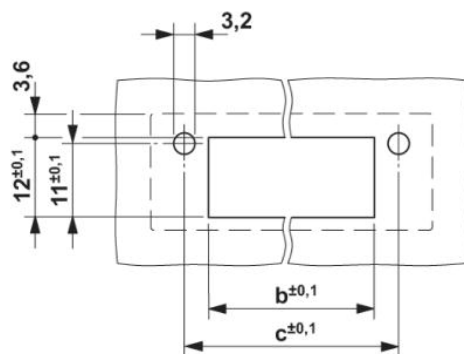
**General**

1910432	FKC 2,5/10-ST	Plug component, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5 mm, Number of positions: 10, Connection type: Spring-cage conn., Color: green
1909799	FKCVR 2,5/10-ST	Plug component, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5 mm, Number of positions: 10, Connection type: Spring-cage conn., Color: green
1910115	FKCVW 2,5/10-ST	Plug component, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5 mm, Number of positions: 10, Connection type: Spring-cage conn., Color: green

1779495	FRONT-MSTB 2,5/10-ST	Plug component, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5 mm, Number of positions: 10, Connection type: Screw connection, Color: green
1754601	MSTB 2,5/10-ST	Plug component, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5 mm, Number of positions: 10, Connection type: Screw connection, Color: green
1759004	MSTB 2,5/10-STZ	Plug component, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5 mm, Number of positions: 10, Connection type: Screw connection, Color: green
1765852	MSTBP 2,5/10-ST	Plug component, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5 mm, Number of positions: 10, Connection type: Screw connection, Color: green
1779916	MSTBT 2,5/10-ST	Plug component, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5 mm, Number of positions: 10, Connection type: Screw connection, Color: green
1792090	MVSTBR 2,5/10-ST	Plug component, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5 mm, Number of positions: 10, Connection type: Screw connection, Color: green
1792605	MVSTBW 2,5/10-ST	Plug component, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5 mm, Number of positions: 10, Connection type: Screw connection, Color: green
1768833	SMSTB 2,5/10-ST	Plug component, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5 mm, Number of positions: 10, Connection type: Screw connection, Color: green

### Diagrams/Drawings

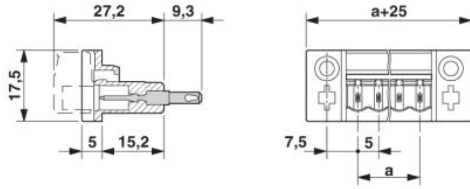
#### Drilling plan/solder pad geometry



Dimension  $b = 2.7 \text{ mm} + (\text{no. of pos.} \times 5.0 \text{ mm})$   
 Dimension  $c = \text{Dim. } b + 7.3 \text{ mm}$

Dimensioned drawing

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**Address**

PHOENIX CONTACT Inc., USA  
586 Fulling Mill Road  
Middletown, PA 17057, USA  
Phone (800) 888-7388  
Fax (717) 944-1625  
<http://www.phoenixcon.com>



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