

Printed-circuit board connector - MSTBVK 2,5/ 5-STF-5,08 - 1849118

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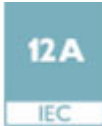


Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 5, Pitch: 5.08 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin, Mounting: DIN rail

The illustration shows an 10-position version

Why buy this product

- ✔ Well-known connection principle allows worldwide use
- ✔ Low temperature rise, thanks to maximum contact force
- ✔ Screwable flange for superior mechanical stability
- ✔ Allows connection of two conductors



Key Commercial Data

Packing unit	50 STK
GTIN	 4 017918 105600
GTIN	4017918105600
Custom tariff number	8536909000
Sales Key	AAAFKA

Technical data

Dimensions

Pitch	5.08 mm
Dimension a	20.32 mm

General

Range of articles	MSTBVK 2,5/-STF
Type of contact	Female connector
Number of positions	5
Connection method	Screw connection with tension sleeve
Insulating material group	I
Rated surge voltage (III/3)	4 kV

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Technical data

General

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 ²
Maximum load current	12 A
Insulating material	PA
Flammability rating according to UL 94	V0
Internal cylindrical gage	A3
Stripping length	7 mm
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

Connection data

Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	2.5 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	2.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	2.5 mm ²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	12
2 conductors with same cross section, solid min.	0.2 mm ²
2 conductors with same cross section, solid max.	1 mm ²
2 conductors with same cross section, stranded min.	0.2 mm ²
2 conductors with same cross section, stranded max.	1.5 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1.5 mm ²
Minimum AWG according to UL/CUL	30
Maximum AWG according to UL/CUL	12

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Technical data

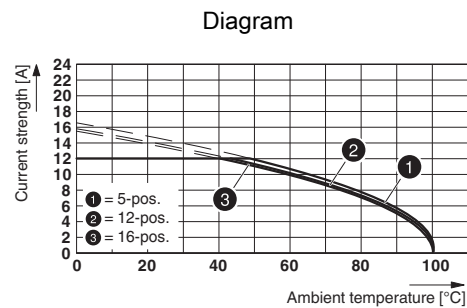
Standards and Regulations

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

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

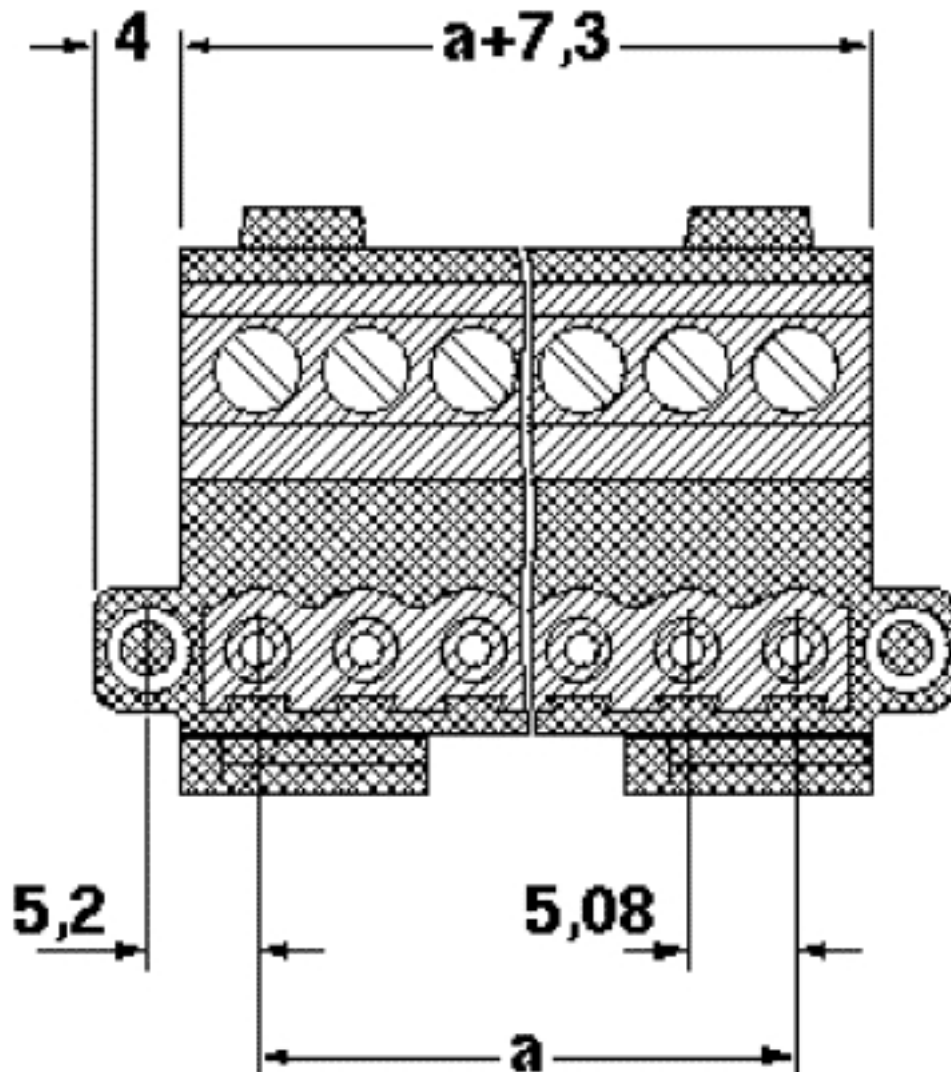
Drawings



Type: (U)MSTBVK 2,5/...-STF-5,08 with IC 2,5/...-STF-5,08

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Dimensional drawing



Approvals

Approvals

Approvals

UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / IECCE CB Scheme / EAC / cULus Recognized

Ex Approvals

Approval details

<https://www.phoenixcontact.com/cn/products/1849118>

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Approvals

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
mm ² /AWG/kcmil		30-12	
Nominal current I _N		10 A	
Nominal voltage U _N		300 V	

VDE Gutachten mit Fertigungsüberwachung		http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx	40004701
mm ² /AWG/kcmil		0.2-2.5	
Nominal current I _N		12 A	
Nominal voltage U _N		250 V	

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
mm ² /AWG/kcmil		30-12	
Nominal current I _N		10 A	
Nominal voltage U _N		300 V	

IECEE CB Scheme		http://www.iecee.org/	DE1-56062-B1B2
mm ² /AWG/kcmil		0.2-2.5	
Nominal current I _N		12 A	
Nominal voltage U _N		250 V	

EAC		B.01742
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cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm
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