

Printed-circuit board connector - MVSTBR 2,5/ 7-ST-5,08 GY - 1783180

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PCB connector, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 7, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, color: gray, contact surface: Tin


The figure shows a 10-position version of the product

Your advantages

- Well-known connection principle allows worldwide use
- Low temperature rise, thanks to maximum contact force
- Allows connection of two conductors



Key Commercial Data

Packing unit	50 pc
GTIN	 4 017918 367268
GTIN	4017918367268

Technical data

Dimensions

Length [l]	17.7 mm
Width [w]	35.56 mm
Height [h]	26 mm
Pitch	5.08 mm
Dimension a	30.48 mm

General

Range of articles	MVSTBR 2,5/...-ST
Number of positions	7
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)	250 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 (with a 2.5 mm ² conductor cross section)
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

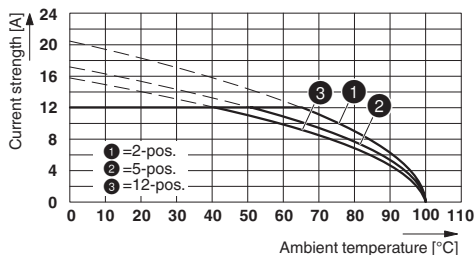
Connection in acc. with standard	EN-VDE
	CSA
Flammability rating according to UL 94	V0

Environmental Product Compliance

	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

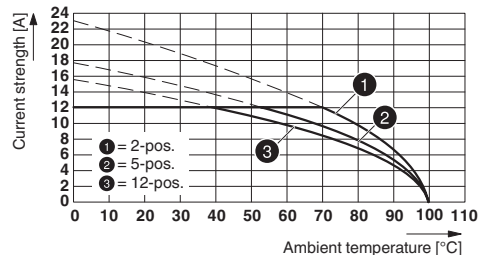
Drawings

Diagram



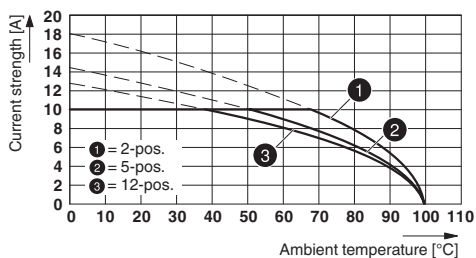
Type: MVSTBR 2,5/...-ST-5,08 with CC 2,5/...-G-5,08 P26THR

Diagram



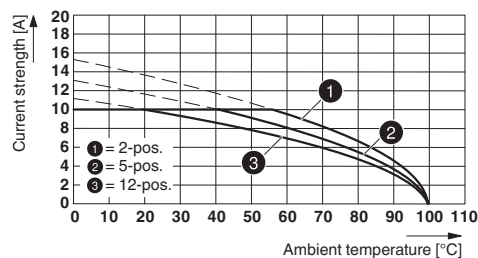
Type: MVSTBR 2,5/...-ST-5,08 with CCV 2,5/...-G-5,08 P26THR

Diagram



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

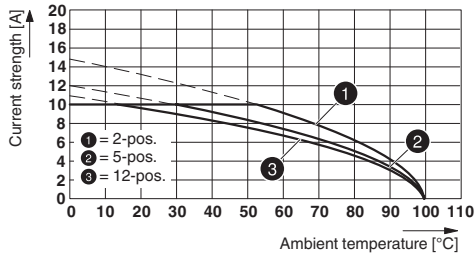
Diagram



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

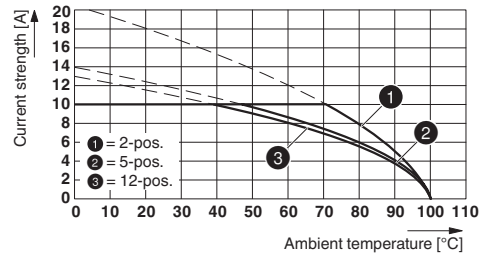
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Diagram



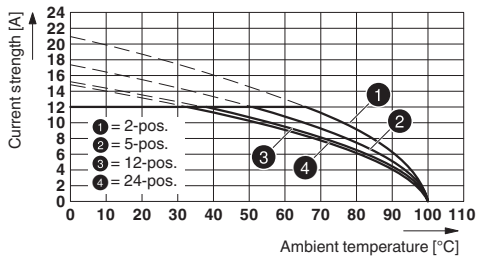
Type: MVSTB(R/W) 2,5/...-ST with MDSTBVA 2,5/...-G-5,08

Diagram



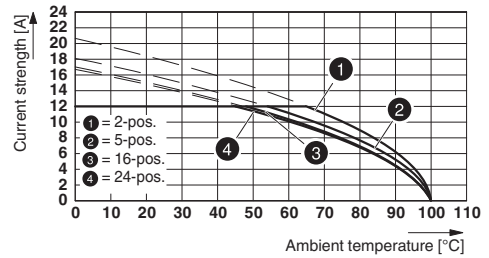
Type: MVSTB(R/W) 2,5/...-ST-5,08 with MDSTBW 2,5/...-G-5,08

Diagram



Type: MVSTBR 2,5/...-ST-5,08 with MSTBA 2,5/...-G-5,08

Diagram



Type: MVSTBR 2,5/...-ST-5,08 with MSTBVK 2,5/...-G-5,08

Approvals

Approvals

Approvals

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


Ex Approvals


Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	LR13631-2585950
		D	B
Nominal voltage UN		300 V	300 V
Nominal current IN		10 A	10 A
mm ² /AWG/kcmil		28-12	28-12


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Approvals

IECEE CB Scheme		http://www.iecee.org/	DE1-60988-B1B2
Nominal voltage UN	250 V		
Nominal current IN	12 A		
mm ² /AWG/kcmil	0.2-2.5		

VDE Gutachten mit Fertigungsüberwachung		http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx	40004701
Nominal voltage UN	250 V		
Nominal current IN	12 A		
mm ² /AWG/kcmil	0.2-2.5		

EAC		B.01742
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cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-19931011
	D	B	
Nominal voltage UN	300 V	300 V	
Nominal current IN	10 A	15 A	
mm ² /AWG/kcmil	30-12	30-12	

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