

Printed-circuit board connector - IC 2,5/ 9-STGF-5,08 - 1825572

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PCB connector, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin



The figure shows a 10-position version of the product

Why buy this product

- ✓ Plug with inverted contact system (pin contact)
- ✓ Well-known connection principle allows worldwide use
- ✓ Easy PCB replacement thanks to plug-in modules
- ✓ Screwable flange for superior mechanical stability
- ✓ Inverted connector with pin contacts for touch-proof device outputs or free-hanging cable/cable connections
- ✓ Can be combined with the MSTB 2',5 range
- ✓ Low temperature rise, thanks to maximum contact force



Key Commercial Data

Packing unit	1 STK
GTIN	 4 017918 049737
GTIN	4017918049737
Weight per Piece (excluding packing)	16.110 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Length [l]	19.2 mm
Width [w]	55.84 mm

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Technical data

Dimensions

Height [h]	15 mm
Pitch	5.08 mm
Dimension a	40.64 mm

General

Range of articles	IC 2,5/..-STGF
Type of contact	Male connector
Number of positions	9
Connection method	Screw connection with tension sleeve
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)	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
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

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Technical data

Connection data

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

Standards and Regulations

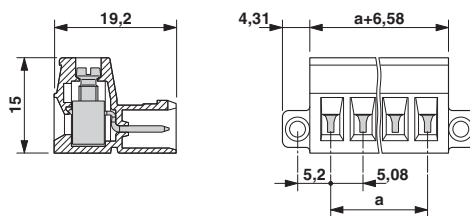
Connection in acc. with standard	EN-VDE
	CSA
Flammability rating according to UL 94	V0

Environmental Product Compliance

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

Drawings

Dimensional drawing



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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	27440309
eCl@ss 9.0	27440309

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002638
ETIM 5.0	EC002638
ETIM 6.0	EC002638

UNSPSC

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

Approvals

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

Ex Approvals

Approval details

Printed-circuit board connector - IC 2,5/ 9-STGF-5,08 - 1825572

Approvals

CSA		http://www.csagroup.org/services-industries/product-listing/	13631
	D	B	
Nominal voltage UN	300 V	300 V	
Nominal current IN	10 A	10 A	
mm ² /AWG/kcmil	28-12	28-12	

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	

IECEE CB Scheme		http://www.iecee.org/	DE1-58978-B1B2
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	E60425-19931014
	D	B	
Nominal voltage UN	300 V	250 V	
Nominal current IN	10 A	12 A	
mm ² /AWG/kcmil	30-12	30-12	

Accessories

Accessories

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Accessories

Bridge

Insertion bridge - EBP 2- 5 - 1733169



Insertion bridge, fully insulated, for connectors with 5.0 or 5.08 mm pitch, no. of positions: 2

Cable housing

Cable housing - KGS-MSTB 2,5/ 9 - 1783782



Cable housing, pitch: 0 mm, number of positions: 9, dimension a: 45 mm, color: green

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

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Accessories

Marker card - SK 5,08/3,8:FORTL.ZAHLEN - 0804293



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: 5.08 mm, lettering field size: 5.08 x 3.8 mm

Panel mounting frame

Accessories - IC-DFR 9 - 1852095



Panel mounting frame, number of positions: 9, pitch: 5.08 mm, color: green, This assembly frame can only be used in combination with IC 2,5/...-STGF-5,08

Screwdriver tools

Screwdriver - SZS 0,6X3,5 - 1205053



Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

Additional products

Printed-circuit board connector - MSTBT 2,5/ 9-STF-5,08 - 1805369



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Accessories

Printed-circuit board connector - QC 1/ 9-STF-5,08 - 1883420

PCB connector, nominal current: 10 A, rated voltage (III/2): 630 V, number of positions: 9, pitch: 5.08 mm, connection method: Displacement connection, color: green, contact surface: Tin



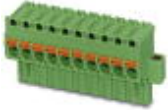
Printed-circuit board connector - FKCT 2,5/ 9-STF-5,08 - 1902372

PCB connector, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5.08 mm, connection method: Push-in spring connection, color: green, contact surface: Tin



Printed-circuit board connector - FKCVR 2,5/ 9-STF-5,08 - 1874170

PCB connector, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5.08 mm, connection method: Push-in spring connection, color: green, contact surface: Tin



Printed-circuit board connector - FKCVW 2,5/ 9-STF-5,08 - 1873870

PCB connector, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5.08 mm, connection method: Push-in spring connection, color: green, contact surface: Tin



Printed-circuit board connector - FKC 2,5/ 9-STF-5,08 - 1873278

PCB connector, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5.08 mm, connection method: Push-in spring connection, color: green, contact surface: Tin



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Accessories

Printed-circuit board connector - TMSTBP 2,5/ 9-STF-5,08 - 1853175



PCB connector, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 9, 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.

Printed-circuit board connector - MVSTBW 2,5/ 9-STF-5,08 - 1834974



PCB connector, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin

Printed-circuit board connector - MSTBC 2,5/ 9-STZF-5,08 - 1809802



PCB connector, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5.08 mm, connection method: Crimp connection, color: green, Corresponding female crimp contacts with current [A] and conductor cross section range [mm²] 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/ 9-STF-5,08 - 1778056



PCB connector, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin

Printed-circuit board connector - FRONT-MSTB 2,5/ 9-STF-5,08 - 1777866



PCB connector, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5.08 mm, connection method: Front screw connection, color: green, contact surface: Tin

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Accessories

Printed-circuit board connector - MVSTBR 2,5/ 9-STF-5,08 - 1835164



PCB connector, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin