

Printed-circuit board connector - IC 2,5/ 8-STGF-5,08 - 1825569

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>)

Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 8, 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	50 STK
GTIN	 4 017918 049720
GTIN	4017918049720
Weight per Piece (excluding packing)	14.030 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Environmental Product Compliance

China RoHS	Hazardous substances above threshold values
	Environmentally Friendly Use Period = 50
	For details go to tab "Downloads", Category "Manufacturer's declaration"

Dimensions

Length	19.2 mm
--------	---------

Printed-circuit board connector - IC 2,5/ 8-STGF-5,08 - 1825569

Technical data

Dimensions

Height	15 mm
Width	50.76 mm
Pitch	5.08 mm
Dimension a	35.56 mm

General

Range of articles	IC 2,5/...-STGF
Type of contact	Male connector
Number of positions	8
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
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

Printed-circuit board connector - IC 2,5/ 8-STGF-5,08 - 1825569

Technical data

Connection data

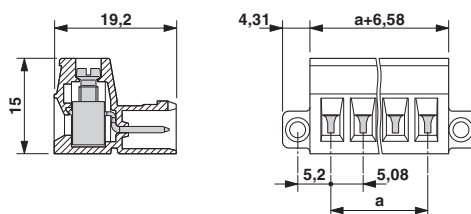
2 conductors with same cross section, stranded min.	0.2 mm ²
2 conductors with same cross section, stranded max.	1.5 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	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

Drawings

Dimensional drawing



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
----------	----------

Printed-circuit board connector - IC 2,5/ 8-STGF-5,08 - 1825569

Classifications

ETIM

ETIM 4.0	EC002638
ETIM 5.0	EC002638

UNSPSC

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

Approvals


Approvals


Approvals

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

Ex Approvals

Approval details

CSA  13631		
	B	D
mm ² /AWG/kcmil	28-12	28-12
Nominal current I _N	10 A	10 A
Nominal voltage U _N	300 V	300 V

UL Recognized  http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 60425		
	B	D
mm ² /AWG/kcmil	30-12	30-12
Nominal current I _N	12 A	10 A
Nominal voltage U _N	250 V	300 V

Printed-circuit board connector - IC 2,5/ 8-STGF-5,08 - 1825569

Approvals

VDE Gutachten mit Fertigungsüberwachung 40004701

mm²/AWG/kcmil	0.2-2.5
Nominal current IN	12 A
Nominal voltage UN	250 V

cUL Recognized <http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm> FILE E 60425

	B	D
mm²/AWG/kcmil	30-12	30-12
Nominal current IN	12 A	10 A
Nominal voltage UN	250 V	300 V

IECEE CB Scheme <http://www.iecee.org/> DE1-56062-B1B2

mm²/AWG/kcmil	0.2-2.5
Nominal current IN	12 A
Nominal voltage UN	250 V

EAC EAC-Zulassung

EAC B.01742

cULus Recognized <http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm>

Accessories

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



Printed-circuit board connector - IC 2,5/ 8-STGF-5,08 - 1825569

Accessories

Cable housing

Cable housing - KGG-MSTB 2,5/ 8 - 1803921



Cable housing, Pitch: 0 mm, Number of positions: 8, Dimension a: 40 mm, Color: green

Cable housing - KGS-MSTB 2,5/ 8 - 1783779



Cable housing, Pitch: 0 mm, Number of positions: 8, Dimension a: 40 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

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: 5.08 x 3.8 mm

Printed-circuit board connector - IC 2,5/ 8-STGF-5,08 - 1825569

Accessories

Panel mounting frame

Accessories - IC-DFR 8 - 1852082



Accessories, Number of positions: 8, 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 - FRONT-MSTB 2,5/ 8-STF-5,08 - 1777798



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 8, Pitch: 5.08 mm, Connection method: Front screw connection, Color: green, Contact surface: Tin

Printed-circuit board connector - FKCT 2,5/ 8-STF-5,08 - 1902369



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 8, Pitch: 5.08 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin

Printed-circuit board connector - FKCVR 2,5/ 8-STF-5,08 - 1874167

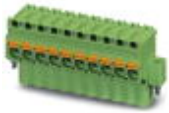


Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 8, Pitch: 5.08 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin

Printed-circuit board connector - IC 2,5/ 8-STGF-5,08 - 1825569

Accessories

Printed-circuit board connector - FKCVW 2,5/ 8-STF-5,08 - 1873867



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 8, Pitch: 5.08 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin

Printed-circuit board connector - MVSTBR 2,5/ 8-STF-5,08 - 1835151



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 8, Pitch: 5.08 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin

Plug - MSTBT 2,5/ 8-STF-5,08 - 1804661



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 8, Pitch: 5.08 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin

Printed-circuit board connector - MSTB 2,5/ 8-STF-5,08 - 1778043



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 8, Pitch: 5.08 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin

Printed-circuit board connector - QC 1/ 8-STF-5,08 - 1883417



Plug component, Nominal current: 10 A, Rated voltage (III/2): 630 V, Number of positions: 8, Pitch: 5.08 mm, Connection method: Displacement connection, Color: green, Contact surface: Tin

Printed-circuit board connector - IC 2,5/ 8-STGF-5,08 - 1825569

Accessories

Printed-circuit board connector - FKC 2,5/ 8-STF-5,08 - 1873265

Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 8, Pitch: 5.08 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin



Printed-circuit board connector - TMSTBP 2,5/ 8-STF-5,08 - 1853162

Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 8, 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/ 8-STF-5,08 - 1834961

Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 8, Pitch: 5.08 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin



Printed-circuit board connector - MSTBC 2,5/ 8-STZF-5,08 - 1809792

Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 8, 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

