

Printed-circuit board connector - GIC 2,5/ 3-ST-7,62 - 1828812

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Plug component, nominal current: 12 A, rated voltage (III/2): 630 V, number of positions: 3, pitch: 7.62 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-in direction parallel to the conductor axis
- Plug for shock-proof 630 V applications (III/2)
- Well-known connection principle allows worldwide use
- Low temperature rise, thanks to maximum contact force
- Larger pitch for increased voltage requirements
- Inverted connector with pin contacts for touch-proof device outputs or free-hanging cable/cable connections



Key Commercial Data

Packing unit	50 STK
GTIN	 4 017918 050702
GTIN	4017918050702
Weight per Piece (excluding packing)	5.740 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Length [l]	19.1 mm
Width [w]	22.76 mm
Height [h]	15 mm
Pitch	7.62 mm
Dimension a	15.24 mm

General

Printed-circuit board connector - GIC 2,5/ 3-ST-7,62 - 1828812

Technical data

General

Range of articles	GIC 2,5/..-ST
Type of contact	Male connector
Number of positions	3
Connection method	Screw connection with tension sleeve
Insulating material group	I
Rated surge voltage (III/3)	6 kV
Rated surge voltage (III/2)	6 kV
Rated surge voltage (II/2)	6 kV
Rated voltage (III/3)	400 V
Rated voltage (III/2)	630 V
Rated voltage (II/2)	1000 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

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Connection data

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 mm ²
Minimum AWG according to UL/CUL	30
Maximum AWG according to UL/CUL	12

Standards and Regulations

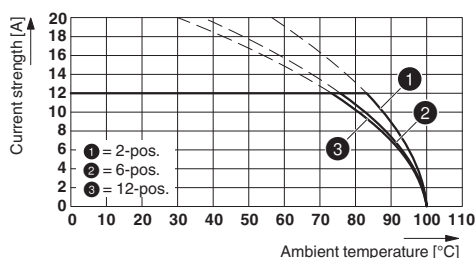
Connection in acc. with standard	EN-VDE
	CSA
Flammability rating according to UL 94	V0

Environmental Product Compliance

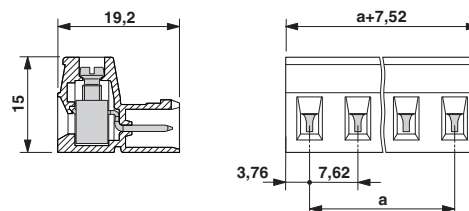
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Diagram



Dimensional drawing



Type: GIC 2,5/...-ST-7,62 with GIC 2,5/...-G-7,62

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
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Classifications

ETIM

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

Approvals


Approvals

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

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services/testing-and-certification/certified-product-listing/	13631
	B	D	
mm ² /AWG/kcmil	28-12	28-12	
Nominal current IN	10 A	10 A	
Nominal voltage UN	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 IN	12 A	10 A	
Nominal voltage UN	250 V	300 V	

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Approvals

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 IN	12 A		
Nominal voltage UN	400 V		

cUL 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 IN	12 A		10 A
Nominal voltage UN	250 V		300 V

IECEE CB Scheme		http://www.iecee.org/	DE1-58978-B1B2
mm ² /AWG/kcmil	0.2-2.5		
Nominal current IN	12 A		
Nominal voltage UN	400 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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Accessories

Accessories

Coding element

Coding star - CR-MSTB - 1734401

Coding section, inserted into the recess in the header or the inverted plug, red insulating material



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Accessories

Filler plug

Accessories - MSTB-BL - 1755477



Keying cap, for forming sections, plugs onto header pin, green insulating material

Labeled terminal marker

Marker card - SK 7,62/3,8:FORTL.ZAHLEN - 0804549



Marker card, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - 100, Mounting type: adhesive, for terminal block width: 7.62 mm, Lettering field: 7.62 x 3.8 mm

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 - GMSTB 2,5/ 3-ST-7,62 - 1767012

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Printed-circuit board connector - FRONT-GMSTB 2,5/ 3-ST-7,62 - 1806122

Plug component, nominal current: 12 A, rated voltage (III/2): 630 V, number of positions: 3, pitch: 7.62 mm, connection method: Front screw connection, Color: green, contact surface: Tin



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Accessories

Base strip - GICV 2,5/ 3-G-7,62 - 1828922

Header, nominal current: 12 A, rated voltage (III/2): 630 V, number of positions: 3, pitch: 7.62 mm, Color: green, contact surface: Tin, mounting: Wave soldering



Printed-circuit board connector - GMVSTBR 2,5/ 3-ST-7,62 - 1832536

Plug component, nominal current: 12 A, rated voltage (III/2): 630 V, number of positions: 3, pitch: 7.62 mm, connection method: Screw connection with tension sleeve, Color: green, contact surface: Tin



Printed-circuit board connector - GMVSTBW 2,5/ 3-ST-7,62 - 1832426

Plug component, nominal current: 12 A, rated voltage (III/2): 630 V, number of positions: 3, pitch: 7.62 mm, connection method: Screw connection with tension sleeve, Color: green, contact surface: Tin



Base strip - GIC 2,5/ 3-G-7,62 - 1828689

Header, nominal current: 12 A, rated voltage (III/2): 630 V, number of positions: 3, pitch: 7.62 mm, Color: green, contact surface: Tin, mounting: Wave soldering

