

Printed-circuit board connector - GFKC 2,5/ 4-ST-7,62 - 1939659

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Plug component, nominal current: 12 A, rated voltage (III/2): 630 V, number of positions: 4, pitch: 7.62 mm, connection method: Push-in spring connection, color: green, contact surface: Tin, COMBICON connectors may only be activated under no load conditions. If for operating reasons small loads must be switched, experimental values are available upon request.




The figure shows a 10-position version of the product

Why buy this product

- ✓ Time saving push-in connection, tools not required
- ✓ Defined contact force ensures that contact remains stable over the long term
- ✓ Intuitive use through colour coded actuation lever
- ✓ Integrated double steel spring provides additional safety in the event of temperature and power fluctuations



Key Commercial Data

Packing unit	1 STK
Minimum order quantity	50 STK
GTIN	 4 017918 877705
GTIN	4017918877705
Weight per Piece (excluding packing)	8.540 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Length [l]	25.56 mm
Width [w]	28.56 mm
Height [h]	15 mm
Pitch	7.62 mm

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Technical data

Dimensions

Dimension a	22.86 mm
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General

Range of articles	GFKC 2,5/..-ST
Type of contact	Female connector
Number of positions	4
Connection method	Push-in spring connection
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 (with a 2.5 mm ² conductor cross section)
Insulating material	PA
Flammability rating according to UL 94	V0
Internal cylindrical gage	A2
Stripping length	10 mm

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, 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	26

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Technical data

Connection data

Maximum AWG according to UL/CUL	12
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Standards and Regulations

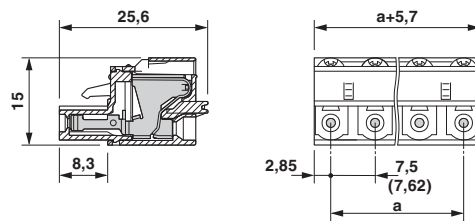
Connection in acc. with standard	EN-VDE
	CSA
Flammability rating according to UL 94	V0

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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
ETIM 4.0	EC002638
ETIM 5.0	EC002638

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Classifications

ETIM

ETIM 6.0	EC002638
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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-industries/product-listing/	13631
	B	D	
mm ² /AWG/kcmil	24-12	24-12	
Nominal current I _N	12 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	26-12	26-12	
Nominal current I _N	10 A	10 A	
Nominal voltage U _N	300 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 I _N	12 A		
Nominal voltage U _N	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	26-12	26-12	
Nominal current I _N	10 A	10 A	
Nominal voltage U _N	300 V	300 V	

IECEE CB Scheme		http://www.iecee.org/	DE1-56062-M1-B1B2
mm ² /AWG/kcmil	0.2-2.5		
Nominal current I _N	12 A		
Nominal voltage U _N	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

Additional products

Printed-circuit board connector - GFKC 2,5/ 4-ST-7,62 - 1939659

Accessories

Base strip - GMSTB 2,5/ 4-G-7,62 - 1766149

Header, nominal current: 12 A, rated voltage (III/2): 630 V, number of positions: 4, pitch: 7.62 mm, color: green, contact surface: Tin, mounting: Wave soldering



Base strip - GMSTBA 2,5/ 4-G-7,62 - 1766259

Header, nominal current: 12 A, rated voltage (III/2): 630 V, number of positions: 4, pitch: 7.62 mm, color: green, contact surface: Tin, mounting: Wave soldering



Base strip - GMSTBV 2,5/ 4-G-7,62 - 1766589

Header, nominal current: 12 A, rated voltage (III/2): 630 V, number of positions: 4, pitch: 7.62 mm, color: green, contact surface: Tin, mounting: Wave soldering



Base strip - GMSTBVA 2,5/ 4-G-7,62 - 1766796

Header, nominal current: 12 A, rated voltage (III/2): 630 V, number of positions: 4, pitch: 7.62 mm, color: green, contact surface: Tin, mounting: Wave soldering



Base strip - GMSTBA 2,5/ 4-G-7,62 PIN 9,5 - 1879625

Header, nominal current: 12 A, number of positions: 4, pitch: 7.62 mm, color: green, contact surface: Tin, mounting: Wave soldering, Pin length: 9.5 mm