

Printed-circuit board connector - GFKC 2,5/ 5-ST-7,62 - 1939662

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Plug component, Nominal current: 12 A, Rated voltage (III/2): 630 V, Number of positions: 5, Pitch: 7.62 mm, Connection method: Spring-cage conn., 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

Product Features

- ✓ Other numbers of positions available on request
- ✓ User-friendly conductor connection thanks to Push-in spring-cage connection
- ✓ Spring-cage plug for 630 V applications (III/2)
- ✓ Two test connections for accommodating 2 mm Ø test pins or 2.3 mm Ø test plug

Key commercial data

package_quantity	50
GTIN	4017918877712

Technical data

Dimensions

Pitch	7.62 mm
Dimension a	30.48 mm

General

Range of articles	GFKC 2,5/..-ST
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 2.5 mm ² conductor cross section)
Insulating material	PA
Inflammability class according to UL 94	V0
Internal cylindrical gage	A2

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Technical data

General

Stripping length	10 mm
Number of positions	5

Connection data

Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	2.5 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	2.5 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil 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
Maximum AWG according to UL/CUL	12

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	27440402

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002638
ETIM 5.0	EC002638

UNSPSC

UNSPSC 6.01	30211810
UNSPSC 7.0901	39121409
UNSPSC 11	39121409

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classifications

UNSPSC

UNSPSC 12.01	39121409
UNSPSC 13.2	39121409

approvals

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

Approval details

CSA 		
Usegroups	B	D
Nominal voltage UN	300 V	300 V
Nominal current IN	12 A	10 A
mm ² /AWG/kcmil	24-12	24-12

UL Recognized 		
Usegroups	B	D
Nominal voltage UN	300 V	300 V
Nominal current IN	10 A	10 A
mm ² /AWG/kcmil	26-12	26-12

VDE Gutachten mit Fertigungsüberwachung 	
Nominal voltage UN	400 V
Nominal current IN	12 A
mm ² /AWG/kcmil	0.2-2.5

cUL Recognized 		
Usegroups	B	D
Nominal voltage UN	300 V	300 V
Nominal current IN	10 A	10 A
mm ² /AWG/kcmil	26-12	26-12

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approvals

IECEE CB Scheme 	
Nominal voltage UN	400 V
Nominal current IN	12 A
mm²/AWG/kcmil	0.2-2.5

GOST 
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CCA	
Nominal voltage UN	400 V
Nominal current IN	12 A
mm²/AWG/kcmil	0.2-2.5

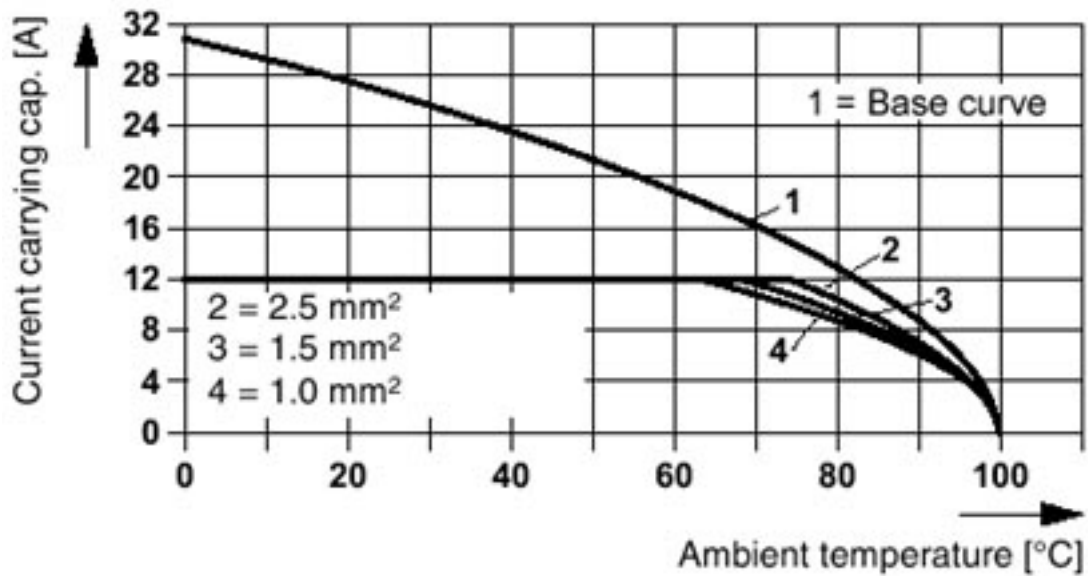
cULus Recognized 
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Drawings

Printed-circuit board connector - GFKC 2,5/5-ST-7,62 - 1939662

Diagram

Plug: GFKC 2,5/5-ST(F)-(7,62)
Header: GMSTB(A) 2,5/5-G(F)-(7,62)



Dimensioned drawing

