

Printed-circuit board connector - GFKC 2,5/ 6-ST-7,5 - 1939455

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Plug component, Nominal current: 12 A, Rated voltage (III/2): 630 V, Number of positions: 6, Pitch: 7.5 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

- 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

Packing unit	50 STK
GTIN	

Technical data

Dimensions

Pitch	7.50 mm
Dimension a	37.5 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

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Technical data

General

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
Number of positions	6

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
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

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

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Classifications

eCl@ss

eCl@ss 8.0	27440309
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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
UNSPSC 12.01	39121409
UNSPSC 13.2	39121409

Approvals

Approvals

Approvals

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

Ex Approvals

Approvals submitted

Approval details

CSA		
	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		
	B	D
mm ² /AWG/kcmil	26-12	26-12

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Approvals

	B	D
Nominal current IN	10 A	10 A
Nominal voltage UN	300 V	300 V

VDE Gutachten mit Fertigungsüberwachung

	B	D
mm ² /AWG/kcmil	0.2-2.5	
Nominal current IN	12 A	
Nominal voltage UN	400 V	

cUL Recognized

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

IECEE CB Scheme

	B	D
mm ² /AWG/kcmil	0.2-2.5	
Nominal current IN	12 A	
Nominal voltage UN	400 V	

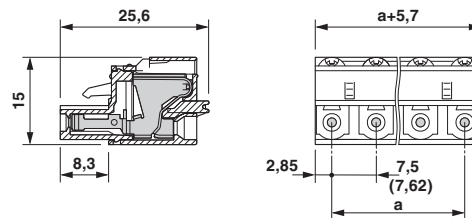
EAC

cULus Recognized

Drawings

Printed-circuit board connector - GFKC 2,5/ 6-ST-7,5 - 1939455

Dimensional drawing



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