

# Printed-circuit board connector - GFKC 2,5/ 3-ST-7,5 - 1939426

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): 630 V, Number of positions: 3, 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	4 017918 877538

## Technical data

### Dimensions

Pitch	7.50 mm
Dimension a	15 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

# Printed-circuit board connector - GFKC 2,5/ 3-ST-7,5 - 1939426

## Technical data

### General

Connection in acc. with standard	EN-VDE
Nominal current I <sub>N</sub>	12 A
Nominal cross section	2.5 mm <sup>2</sup>
Maximum load current	12 A (with a 2.5 mm <sup>2</sup> conductor cross section)
Insulating material	PA
Flammability rating according to UL 94	V0
Internal cylindrical gage	A2
Stripping length	10 mm
Number of positions	3

### Connection data

Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	2.5 mm <sup>2</sup>
Conductor cross section flexible min.	0.2 mm <sup>2</sup>
Conductor cross section flexible max.	2.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	2.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	2.5 mm <sup>2</sup>
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 <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1 mm <sup>2</sup>
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

# Printed-circuit board connector - GFKC 2,5/ 3-ST-7,5 - 1939426

## Classifications

### eCl@ss

eCl@ss 8.0	27440309
------------	----------

### 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 <sup>2</sup> /AWG/kcmil	24-12	24-12
Nominal current I <sub>N</sub>	12 A	10 A
Nominal voltage U <sub>N</sub>	300 V	300 V

UL Recognized		
	B	D
mm <sup>2</sup> /AWG/kcmil	26-12	26-12

# Printed-circuit board connector - GFKC 2,5/ 3-ST-7,5 - 1939426

## Approvals

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

VDE Gutachten mit Fertigungsüberwachung

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

cUL Recognized

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

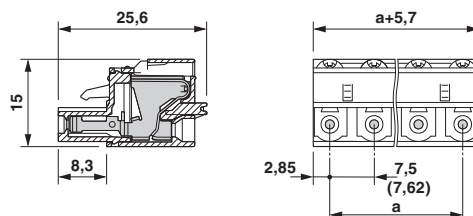
EAC

cULus Recognized

## Drawings

## Printed-circuit board connector - GFKC 2,5/ 3-ST-7,5 - 1939426

Dimensional drawing



---

Phoenix Contact 2016 © - all rights reserved  
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>