



**Automatización Eléctrica**  
Especialistas en Automatización

At the end of this document you will find links to products related to this catalog. You can go directly to our shop by clicking [HERE](#). [HERE](#)

# Printed-circuit board connector - TFKC 2,5/ 9-ST-5,08 - 1962671

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): 320 V, Number of positions: 9, Pitch: 5.08 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin




The figure shows a 10-position version of the product

## Why buy this product

- Integrated 2.3 mm Ø test connection
- DeviceNet-compliant version with gold-plated contact system
- SK marking strips for DeviceNet color coding: SK 5,08/3,8 DN / Order No. 1965458
- Front TWIN connection for 2.5 mm<sup>2</sup>



## Key Commercial Data

|              |   |
|--------------|---|
| Packing unit | 50 STK  |
| GTIN         | <br>4 017918 912109 |

## Technical data

### Dimensions

|             |          |
|-------------|----------|
| Length      | 25.7 mm  |
| Height      | 22.1 mm  |
| Pitch       | 5.08 mm  |
| Dimension a | 40.64 mm |

### General

|                             |                 |
|-----------------------------|-----------------|
| Range of articles           | TFKC 2,5/...-ST |
| Insulating material group   | I               |
| Rated surge voltage (III/3) | 4 kV            |
| Rated surge voltage (III/2) | 4 kV            |
| Rated surge voltage (II/2)  | 4 kV            |
| Rated voltage (III/3)       | 320 V           |

# Printed-circuit board connector - TFKC 2,5/ 9-ST-5,08 - 1962671

## Technical data

### General

|  |                     |
|--|---------------------|
| Rated voltage (III/2)                  | 320 V               |
| Rated voltage (II/2)                   | 630 V               |
| 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                |
| Insulating material                    | PA                  |
| Flammability rating according to UL 94 | V0                  |
| Stripping length                       | 10 mm               |
| Number of positions                    | 9                   |

### 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.                 | 1.5 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 |
|  | CUL    |
| 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 |

# Printed-circuit board connector - TFKC 2,5/ 9-ST-5,08 - 1962671

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 7.0 | 27440402 |
| 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

VDE Gutachten mit Fertigungsüberwachung / IECCEB Scheme / EAC / cULus Recognized

#### Ex Approvals

#### Approvals submitted

### Approval details

|   |         |
|---|---------|
| VDE Gutachten mit Fertigungsüberwachung  |         |
| mm <sup>2</sup> /AWG/kcmil  | 0.2-2.5 |
| Nominal current I <sub>N</sub>  | 12 A    |
| Nominal voltage U <sub>N</sub>  | 250 V   |

# Printed-circuit board connector - TFKC 2,5/ 9-ST-5,08 - 1962671

## Approvals

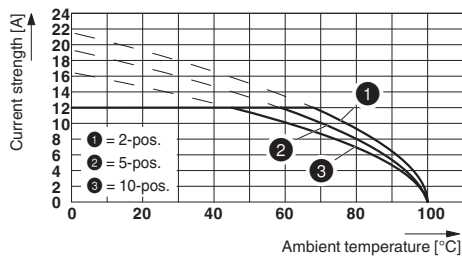
|                                |         |
|--------------------------------|---------|
| IECEE CB Scheme                |         |
| mm <sup>2</sup> /AWG/kcmil     | 0.2-2.5 |
| Nominal current I <sub>N</sub> | 12 A    |
| Nominal voltage U <sub>N</sub> | 250 V   |

|     |
|-----|
| EAC |
|-----|

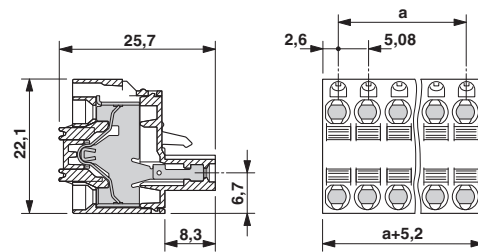
|                                |       |       |
|--------------------------------|-------|-------|
| cULus Recognized               |       |       |
|                                | B     | D     |
| mm <sup>2</sup> /AWG/kcmil     | 26-12 | 26-12 |
| Nominal current I <sub>N</sub> | 10 A  | 10 A  |
| Nominal voltage U <sub>N</sub> | 300 V | 300 V |

## Drawings

Diagram



Dimensional drawing



Type: TFKC 2,5/...-ST-5,08 with MSTBVA 2,5/...-G-5,08

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>

Below is a list of articles with direct links to our shop Electric Automation Network where you can see:

- Quote per purchase volume in real time.
- Online documentation and datasheets of all products.
- Estimated delivery time enquiry in real time.
- Logistics systems for the shipment of materials almost anywhere in the world.
- Purchasing management, order record and tracking of shipments.

To access the product, [click on the green button.](#)

| <b>Product</b>  | <b>Code</b> | <b>Reference</b>    | <b>Product link</b>        |
|---|-------------|---------------------|----------------------------|
| Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 9, Pitch: 5.08 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin | 1962671     | TFKC 2,5/ 9-ST-5,08 | <a href="#">Buy on EAN</a> |