

Printed-circuit board connector - FKCN 2,5/ 4-ST-5,08 - 1754584

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>)

PCB connector, nominal current: 12 A, number of positions: 4, 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

Your advantages

- ✓ Time saving push-in connection, tools not required
- ✓ Intuitive use through colour coded actuation lever
- ✓ Extremely small design for the respective conductor cross section
- ✓ Quick and convenient testing using integrated test option
- ✓ Can be combined with the MSTB 2,5 range



Key Commercial Data

| | |
|--------------|---------------|
| Packing unit | 50 pc |
| GTIN | |
| GTIN | 4046356329545 |

Technical data

Dimensions

| | |
|--------------|----------|
| Length [l] | 27.1 mm |
| Width [w] | 20.32 mm |
| Height [h] | 10.9 mm |
| Pitch | 5.08 mm |
| Dimension a | 15.24 mm |

General

| | |
|---------------------------|---------------------------|
| Range of articles | FKCN 2,5/..-ST |
| Number of positions | 4 |
| Connection method | Push-in spring connection |
| Insulating material group | I |

Printed-circuit board connector - FKCN 2,5/ 4-ST-5,08 - 1754584

Technical data

General

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

Connection data

| | |
|--|----------------------|
| Conductor cross section solid min. | 0.2 mm ² |
| Conductor cross section solid max. | 1.5 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. | 1.5 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. | 1.5 mm ² |
| Conductor cross section AWG min. | 24 |
| Conductor cross section AWG max. | 16 |
| Minimum AWG according to UL/CUL | 24 |
| Maximum AWG according to UL/CUL | 14 |

Standards and Regulations

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

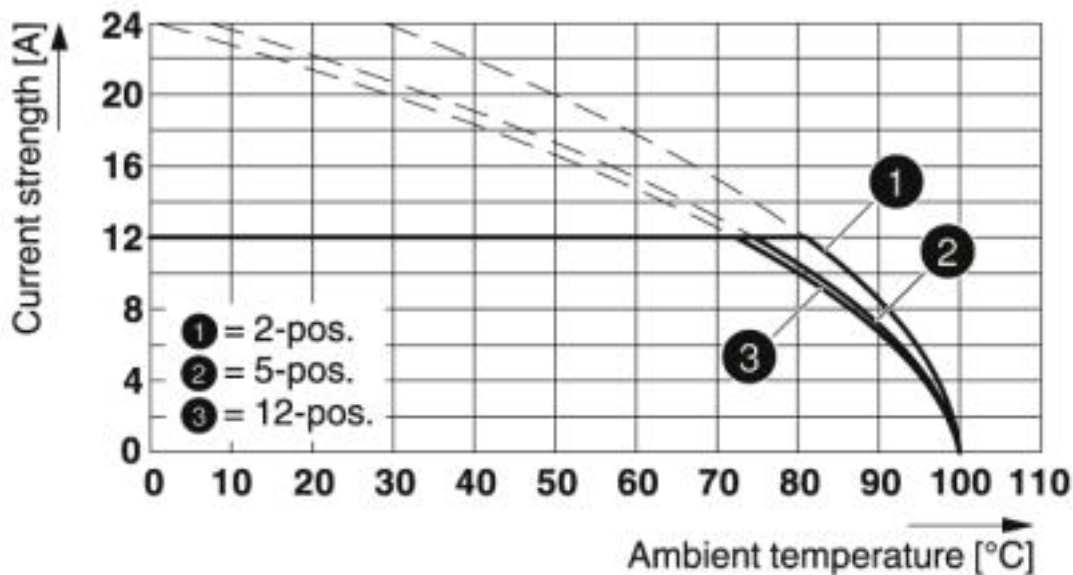
Environmental Product Compliance

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

Drawings

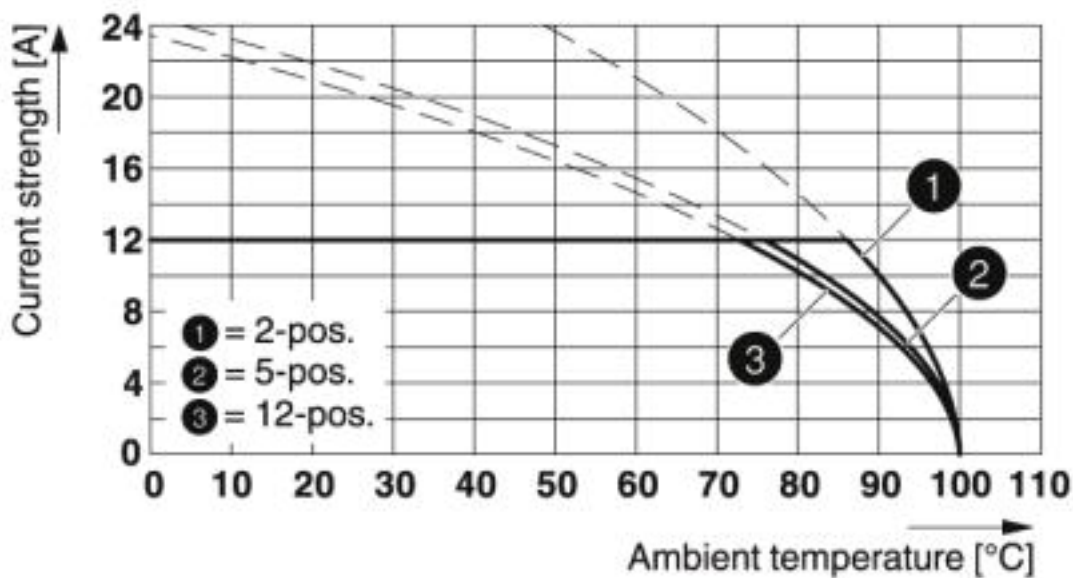
Printed-circuit board connector - FKCN 2,5/ 4-ST-5,08 - 1754584

Diagram



Type: FKCN 2,5/...-ST-5,08 with CCA 2,5/...-G-5,08 P26THR

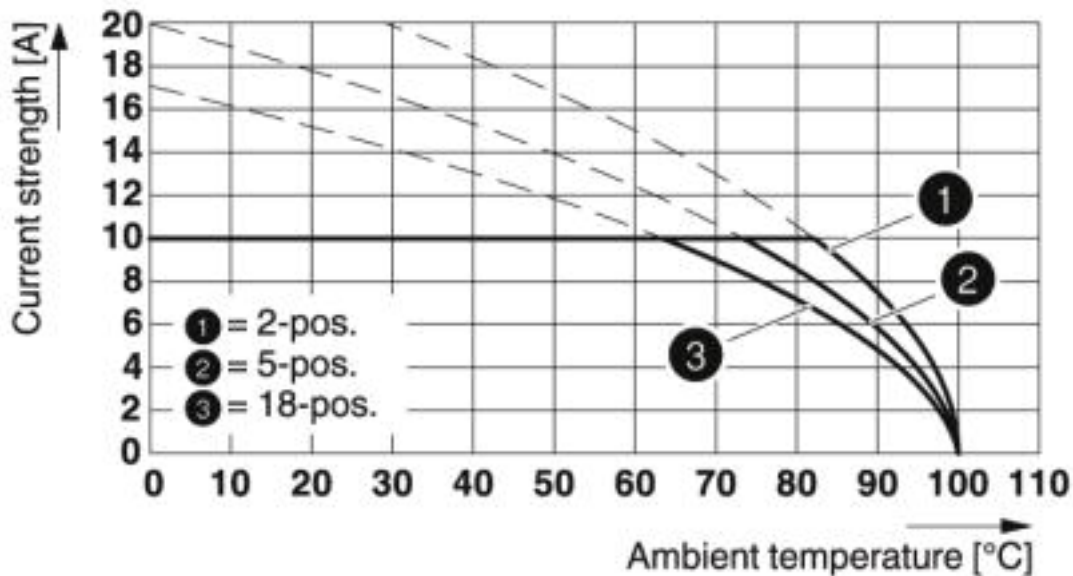
Diagram



Type: FKCN 2,5/...-ST-5,08 with CCVA 2,5/...-G-5,08 P26THR

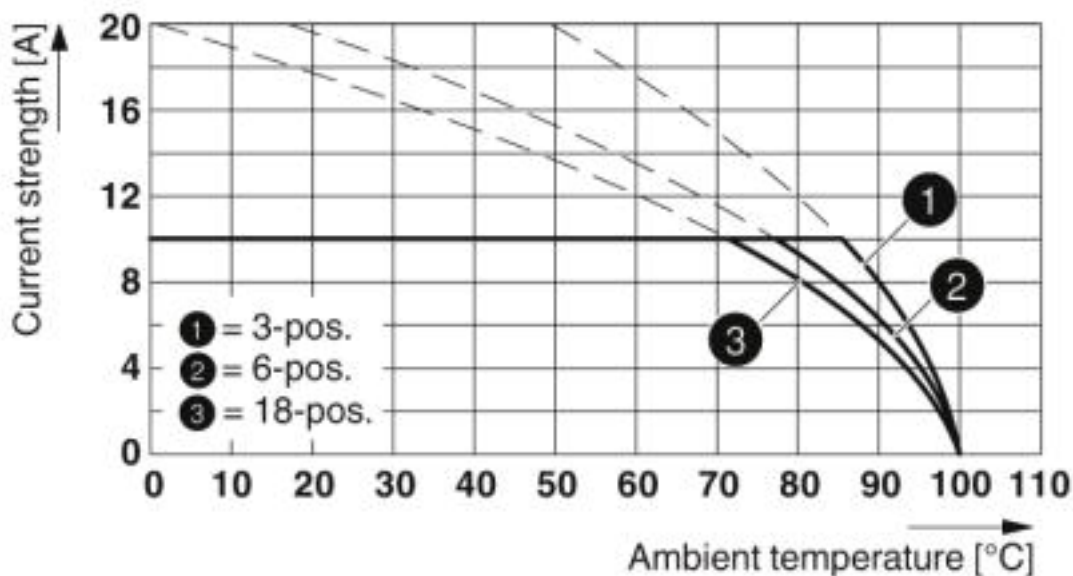
Printed-circuit board connector - FKCN 2,5/ 4-ST-5,08 - 1754584

Diagram



Type: FKCN 2,5/...-ST-5,08 with MDSTB 2,5/...-G1-5,08

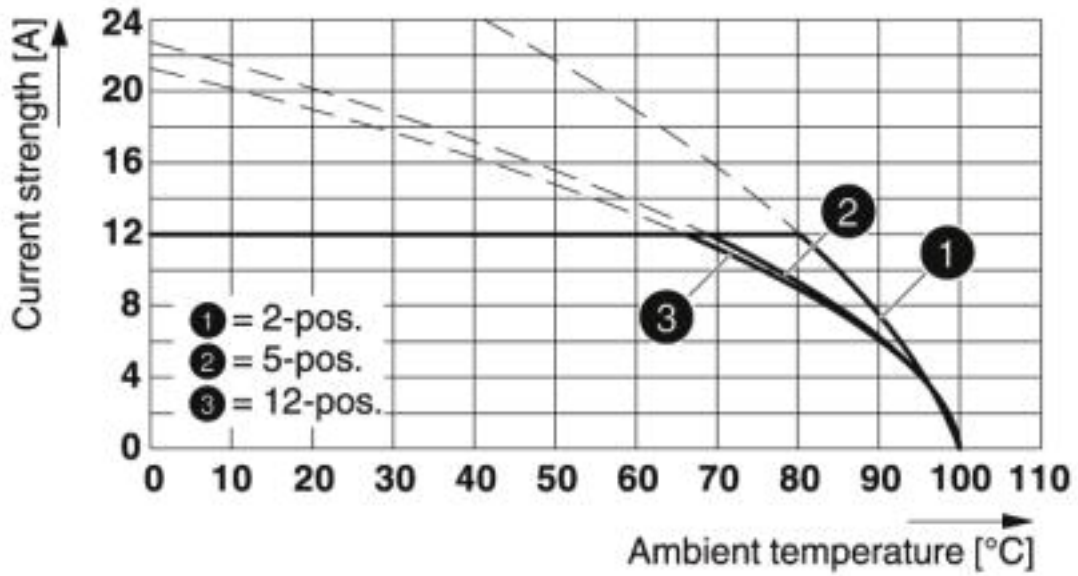
Diagram



Type: FKCN 2,5/...-ST-5,08 with MDSTBV 2,5/...-G1-5,08

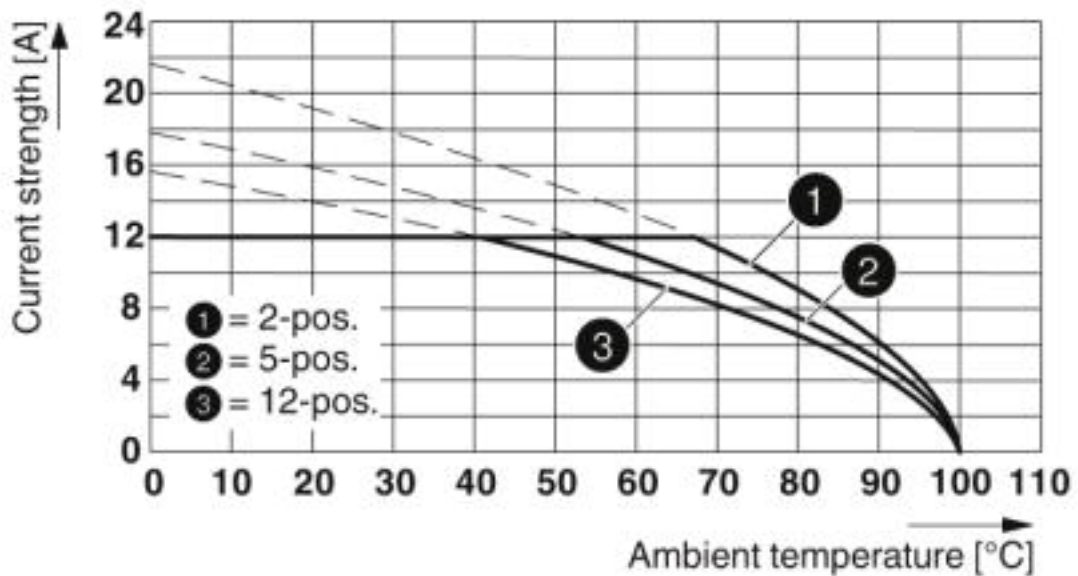
Printed-circuit board connector - FKCN 2,5/ 4-ST-5,08 - 1754584

Diagram



Type: FKCN 2,5/...-ST-5,08 with MSTBA 2,5/...-G-5,08

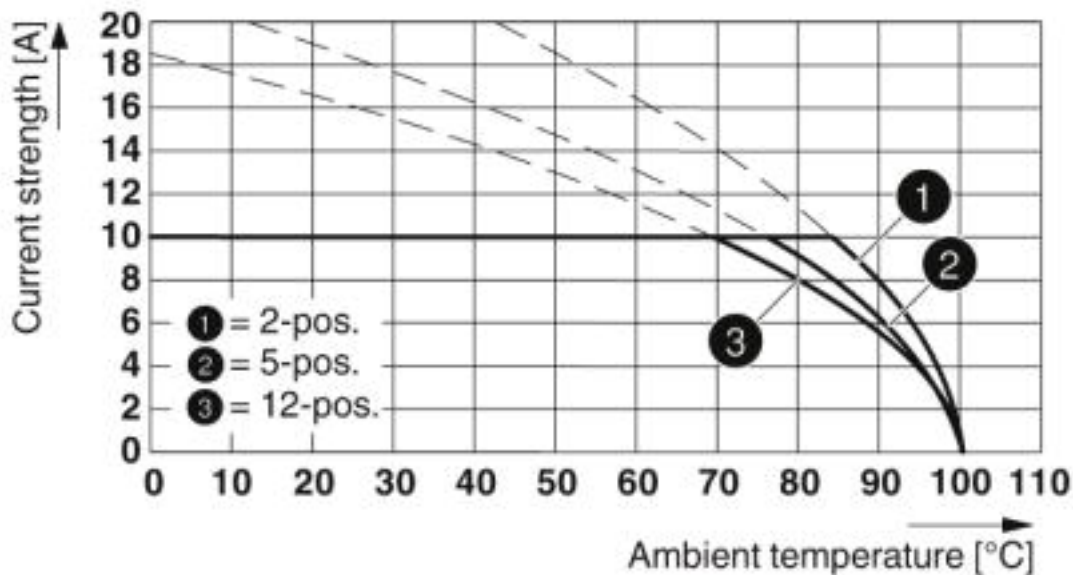
Diagram



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

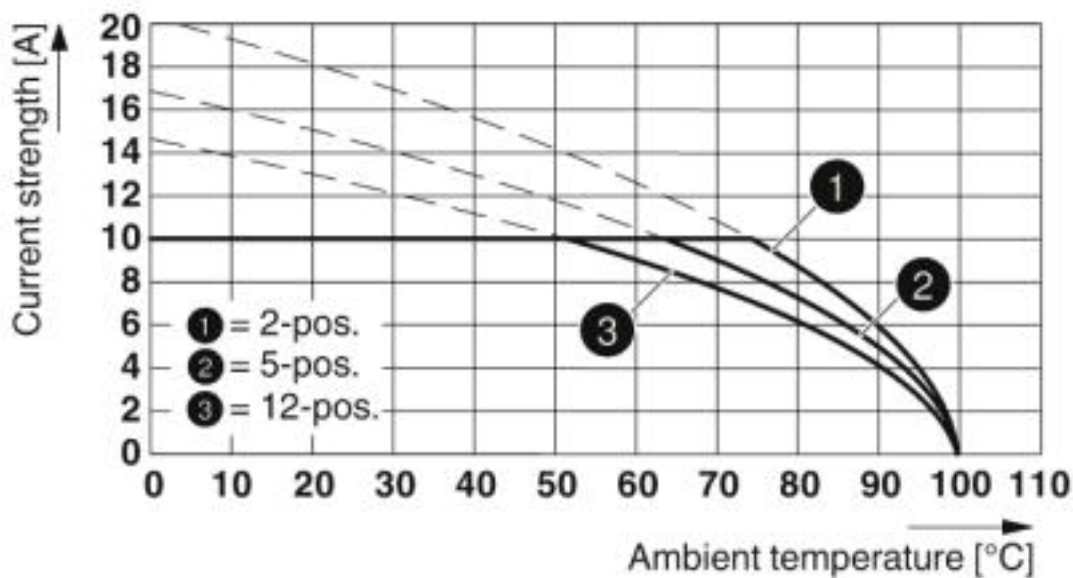
Printed-circuit board connector - FKCN 2,5/ 4-ST-5,08 - 1754584

Diagram



Type: FKCN 2,5/...-ST-5,08 with MDSTBA 2,5/...-G-5,08

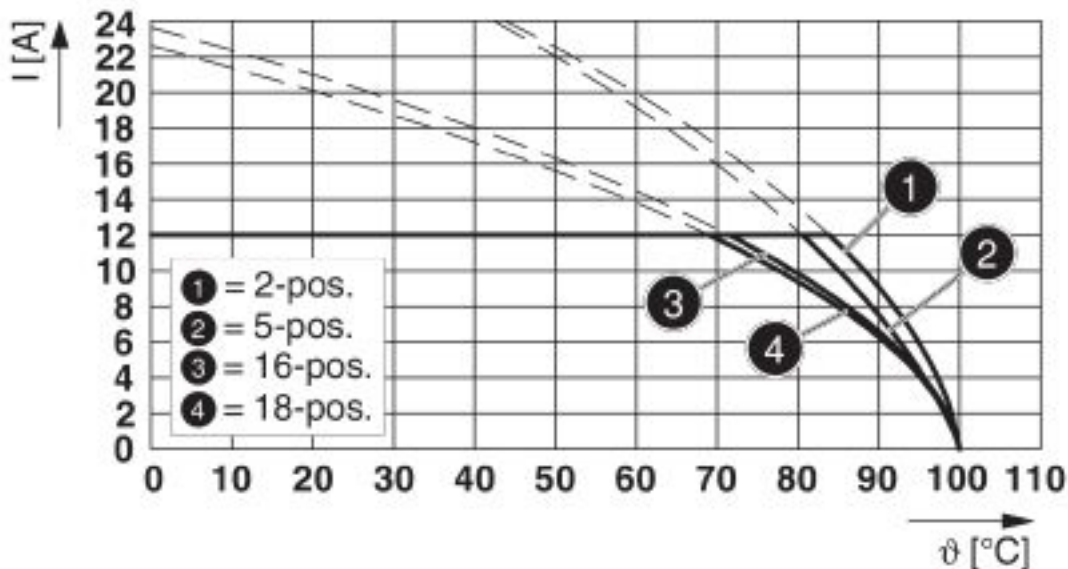
Diagram



Type: FKCN 2,5/...-ST-5,08 with MDSTBVA 2,5/...-G-5,08

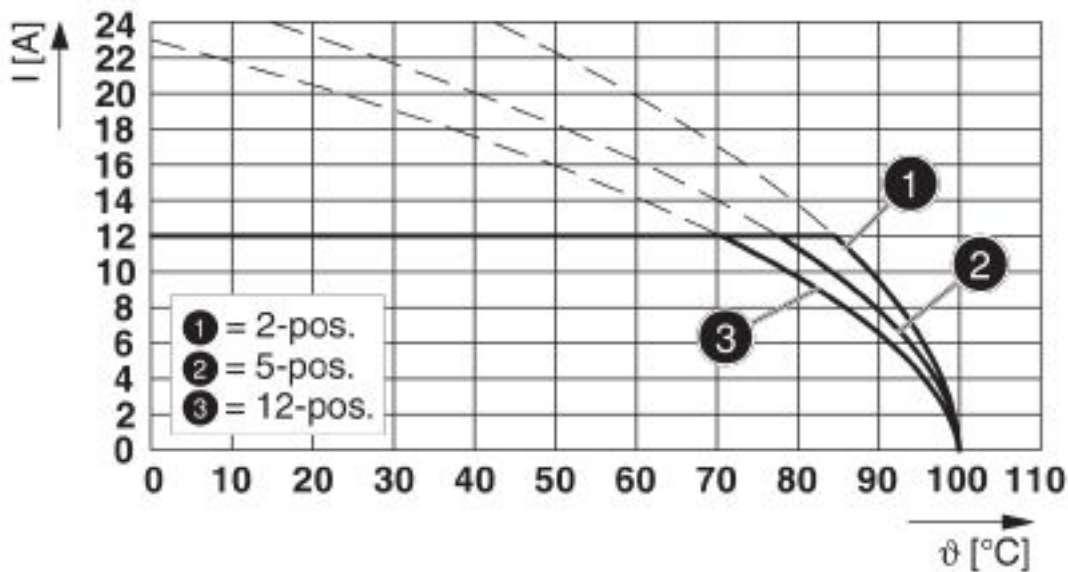
Printed-circuit board connector - FKCN 2,5/ 4-ST-5,08 - 1754584

Diagram



Type: FKCN 2,5/...-ST-5,08 with MSTB 2,5/...-G-5,08

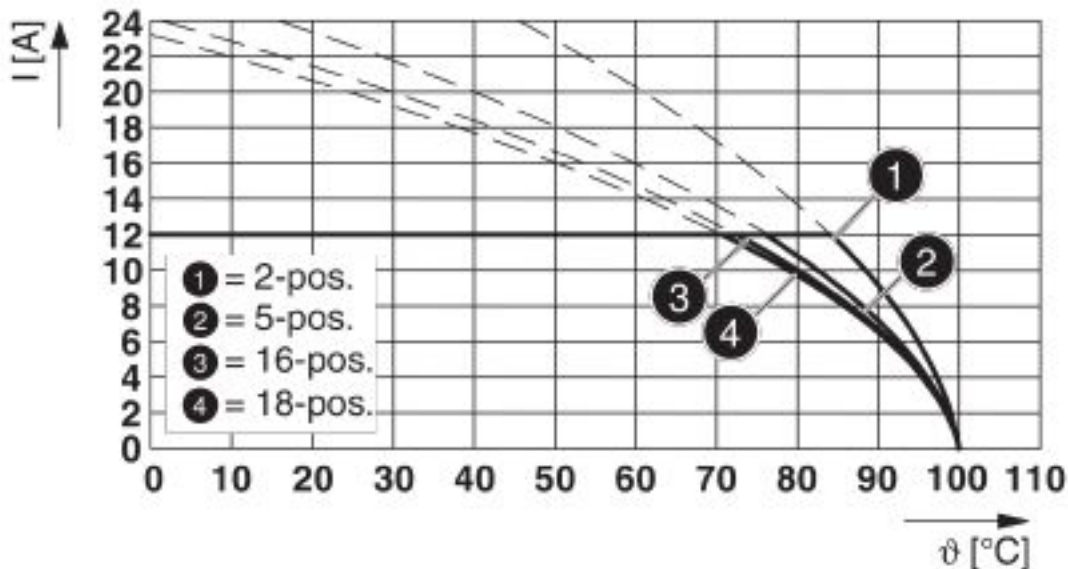
Diagram



Type: FKCN 2,5/...-ST-5,08 with CC 2,5/...-G-5,08 P...THR

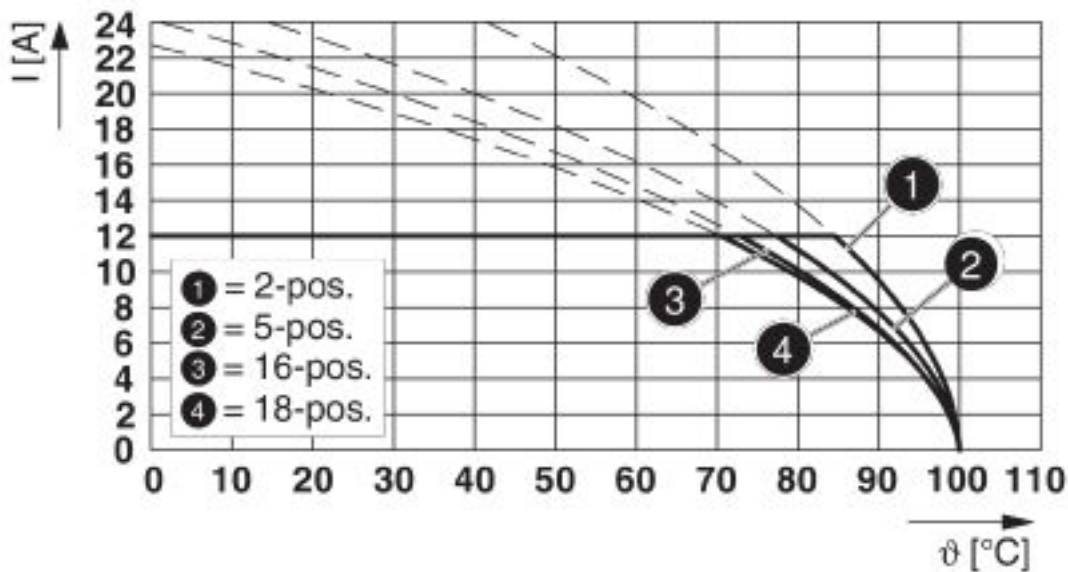
Printed-circuit board connector - FKCN 2,5/ 4-ST-5,08 - 1754584

Diagram



Type: FKCN 2,5/...-ST-5,08 with SMSTB 2,5/...-G-5,08

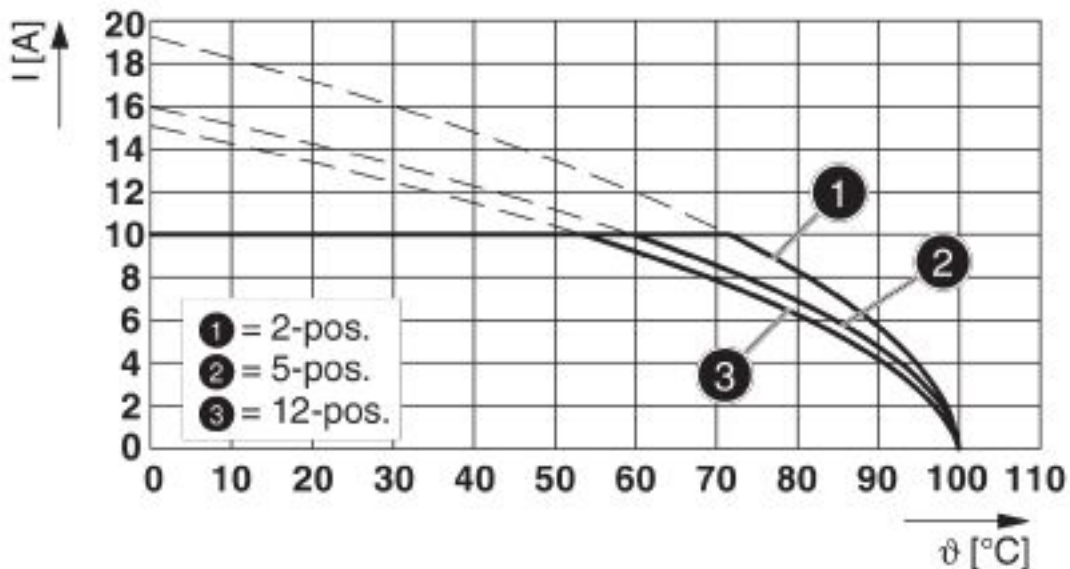
Diagram



Type: FKCN 2,5/...-ST-5,08 with SMSTBA 2,5/...-G-5,08

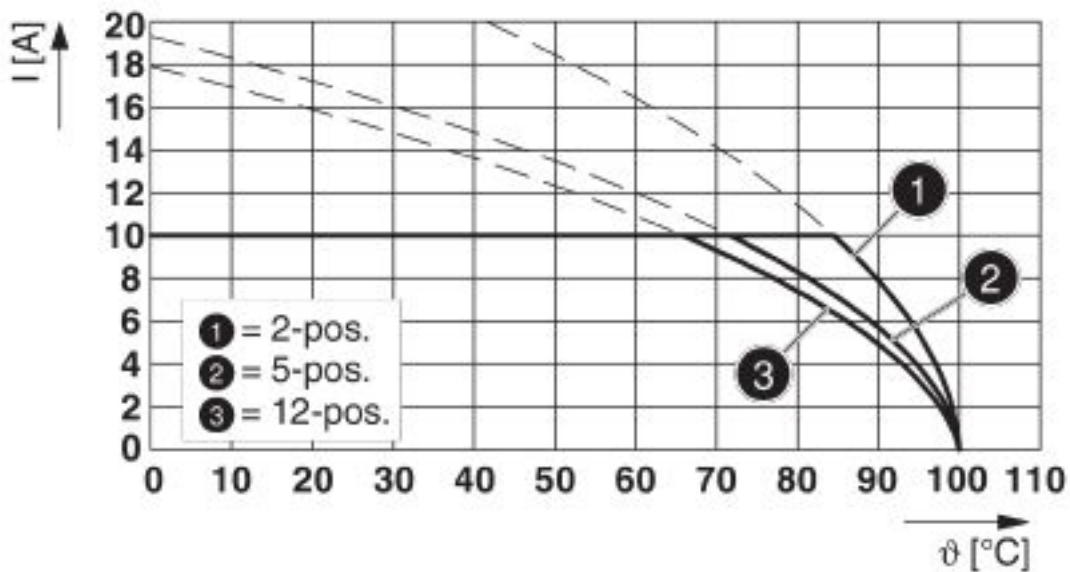
Printed-circuit board connector - FKCN 2,5/ 4-ST-5,08 - 1754584

Diagram



Type: FKCN 2,5/...-ST-5,08 with MDSTBV 2,5/...-G-5,08

Diagram



Type: FKCN 2,5/...-ST-5,08 with MDSTBW 2,5/...-G-5,08

Approvals

Approvals

Printed-circuit board connector - FKCN 2,5/ 4-ST-5,08 - 1754584


Approvals


Approvals

IECEE CB Scheme / VDE Gutachten mit Fertigungsüberwachung / EAC / cULus Recognized


Ex Approvals

Approval details

| | | | |
|----------------------------|---|---|-----------|
| IECEE CB Scheme |  | http://www.iecee.org/ | DE1-58427 |
| Nominal voltage UN | | 400 V | |
| Nominal current IN | | 12 A | |
| mm ² /AWG/kcmil | | 0.2-2.5 | |

| | | | |
|---|---|---|----------|
| VDE Gutachten mit Fertigungsüberwachung |  | http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx | 40041908 |
| Nominal voltage UN | | 400 V | |
| Nominal current IN | | 12 A | |
| mm ² /AWG/kcmil | | 0.2-2.5 | |

| | | |
|-----|---|---------|
| EAC |  | B.01742 |
|-----|---|---------|

| | | | |
|----------------------------|---|---|-----------------|
| cULus Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | E60425-19931012 |
| | B | D | |
| Nominal voltage UN | 300 V | 300 V | |
| Nominal current IN | 10 A | 10 A | |
| mm ² /AWG/kcmil | 24-14 | 24-14 | |

Phoenix Contact 2019 © - all rights reserved
<http://www.phoenixcontact.com>

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