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Especialistas en Automatización

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## Printed-circuit board connector - IC 2,5/14-STF-5,08 - 1825433

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Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 14, Pitch: 5.08 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin



The figure shows a 10-position version of the product

### Why buy this product

- Can be combined with inverted base strips and plugs for shock-proof applications
- Plug with inverted contact system (pin contact)

### Key Commercial Data

|              |   |
|--------------|---|
| Packing unit | 50 STK  |
| GTIN         | <br>4 017918 049591 |

### Technical data

#### Dimensions

|             |          |
|-------------|----------|
| Pitch       | 5.08 mm  |
| Dimension a | 66.04 mm |

#### General

|  |                     |
|--|---------------------|
| Range of articles                      | IC 2,5/..-STF       |
| 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)                  | 250 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 <sup>2</sup> |
| Maximum load current                   | 12 A                |
| Insulating material                    | PA                  |
| Flammability rating according to UL 94 | V0                  |

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## Technical data

### General

|                           |        |
|---------------------------|--------|
| Internal cylindrical gage | A3     |
| Stripping length          | 7 mm   |
| Number of positions       | 14     |
| Screw thread              | M3     |
| Tightening torque, min    | 0.5 Nm |
| Tightening torque max     | 0.6 Nm |

### 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, solid min.  | 0.2 mm <sup>2</sup>  |
| 2 conductors with same cross section, solid max.  | 1 mm <sup>2</sup>    |
| 2 conductors with same cross section, stranded min.                                     | 0.2 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded max.                                     | 1.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.   | 0.25 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.   | 1 mm <sup>2</sup>    |
| 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. | 1.5 mm <sup>2</sup>  |
| Minimum AWG according to UL/CUL   | 30                   |
| 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 |

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## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 5.0 | 27260701 |
| eCl@ss 5.1 | 27260701 |
| eCl@ss 6.0 | 27260704 |
| 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

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

#### Ex Approvals

#### Approvals submitted

### Approval details

|   |       |       |
|---|-------|-------|
|  |       |       |
|   | B     | D     |
| mm <sup>2</sup> /AWG/kcmil  | 28-12 | 28-12 |
| Nominal current I <sub>N</sub>  | 10 A  | 10 A  |
| Nominal voltage U <sub>N</sub>  | 300 V | 300 V |

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## Approvals

UL Recognized

|                                | B     | D     |
|--------------------------------|-------|-------|
| mm <sup>2</sup> /AWG/kcmil     | 30-12 | 30-12 |
| Nominal current I <sub>N</sub> | 12 A  | 10 A  |
| Nominal voltage U <sub>N</sub> | 250 V | 300 V |

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   |

cUL Recognized

|                                | B     | D     |
|--------------------------------|-------|-------|
| mm <sup>2</sup> /AWG/kcmil     | 30-12 | 30-12 |
| Nominal current I <sub>N</sub> | 12 A  | 10 A  |
| Nominal voltage U <sub>N</sub> | 250 V | 300 V |

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   |

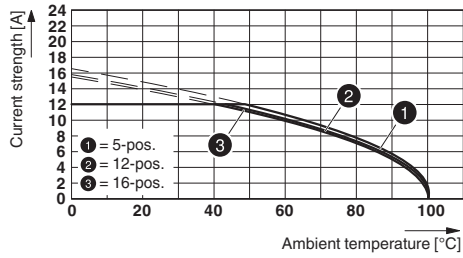
EAC

cULus Recognized

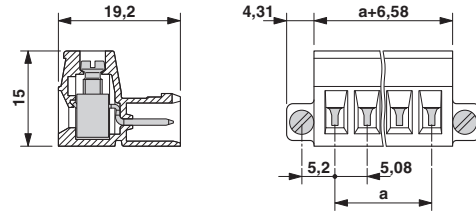
## Drawings

# Printed-circuit board connector - IC 2,5/14-STF-5,08 - 1825433

Diagram



Dimensional drawing



Type: (U)MSTBVK 2,5/...-STF-5,08 with IC 2,5/...-STF-5,08

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| Product   | Code    | Reference          | Product link               |
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