

## Plug - UPBV 2,5/ 9 - 3045473

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Plug, Connection method: Screw connection, Number of positions: 9, Cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 26 - 12, Width: 46.8 mm, Height: 47 mm, Color: gray

The illustration shows the 6-position version

### Why buy this product

- Can be bridged with FBS ... standard bridges
- Large-surface labeling option
- Practical coding option
- The connected conductors can be led directly into the cable duct to save space

### Key Commercial Data

|                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit                         | 25 STK                                                                                                  |
| GTIN                                 | <br>4 046356 055680 |
| Weight per Piece (excluding packing) | 47.4 g                                                                                                  |
| Weight per piece (including packing) | 47.4 g                                                                                                  |
| Country of origin                    | Poland                                                                                                  |

### Technical data

#### General

|                                        |                                                       |
|----------------------------------------|-------------------------------------------------------|
| Number of positions                    | 9                                                     |
| Number of levels                       | 1                                                     |
| Number of connections                  | 9                                                     |
| Potentials                             | 1                                                     |
| Nominal cross section                  | 2.5 mm <sup>2</sup>                                   |
| Color                                  | gray                                                  |
| Insulating material                    | PA                                                    |
| Flammability rating according to UL 94 | V0                                                    |
| Maximum load current                   | 24 A (with 4 mm <sup>2</sup> conductor cross section) |
| Rated surge voltage                    | 6 kV                                                  |
| Degree of pollution                    | 3                                                     |
| Overvoltage category                   | III                                                   |

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## Technical data

### General

|                                |                                                       |
|--------------------------------|-------------------------------------------------------|
| Insulating material group      | I                                                     |
| Maximum load current           | 24 A (with 4 mm <sup>2</sup> conductor cross section) |
| Nominal current I <sub>N</sub> | 24 A                                                  |
| Nominal voltage U <sub>N</sub> | 500 V                                                 |

### Dimensions

|        |          |
|--------|----------|
| Width  | 46.8 mm  |
| Length | 20.5 mm  |
| Height | 47 mm    |
|        | 32.20 mm |
| Pitch  | 5.20 mm  |

### Connection data

|                                                                                         |                      |
|-----------------------------------------------------------------------------------------|----------------------|
| Connection method                                                                       | Screw connection     |
| Connection in acc. with standard                                                        | IEC 61984            |
| Conductor cross section solid min.                                                      | 0.14 mm <sup>2</sup> |
| Conductor cross section solid max.                                                      | 4 mm <sup>2</sup>    |
| Conductor cross section AWG min.                                                        | 26                   |
| Conductor cross section AWG max.                                                        | 12                   |
| Conductor cross section flexible min.                                                   | 0.14 mm <sup>2</sup> |
| Conductor cross section flexible max.                                                   | 4 mm <sup>2</sup>    |
| Min. AWG conductor cross section, flexible                                              | 26                   |
| Max. AWG conductor cross section, flexible                                              | 12                   |
| Conductor cross section flexible, with ferrule without plastic sleeve min.              | 0.14 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.                 | 0.14 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve max.                 | 2.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, solid min.                                        | 0.14 mm <sup>2</sup> |
| 2 conductors with same cross section, solid max.                                        | 1.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded min.                                     | 0.14 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, 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>    |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.   | 0.14 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.   | 1.5 mm <sup>2</sup>  |
| Stripping length                                                                        | 9 mm                 |
| Internal cylindrical gage                                                               | A3                   |
| Screw thread                                                                            | M3                   |
| Tightening torque, min                                                                  | 0.5 Nm               |

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## Technical data

### Connection data

|                       |        |
|-----------------------|--------|
| Tightening torque max | 0.6 Nm |
|-----------------------|--------|

### Standards and Regulations

|                                        |           |
|----------------------------------------|-----------|
| Connection in acc. with standard       | CUL       |
|                                        | IEC 61984 |
| 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 | 27141120 |
| eCl@ss 7.0 | 27141120 |
| eCl@ss 8.0 | 27141151 |
| eCl@ss 9.0 | 27141151 |

### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000897 |
| ETIM 3.0 | EC000897 |
| ETIM 4.0 | EC002021 |
| ETIM 5.0 | EC002021 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211802 |
| UNSPSC 7.0901 | 39121402 |
| UNSPSC 11     | 39121402 |
| UNSPSC 12.01  | 39121402 |
| UNSPSC 13.2   | 39121402 |

## Approvals

### Approvals

#### Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

#### Ex Approvals

Plug - UPBV 2,5/ 9 - 3045473

Approvals

Approvals submitted

Approval details

|                                                                                                 |       |       |       |       |
|-------------------------------------------------------------------------------------------------|-------|-------|-------|-------|
| UL Recognized  |       |       |       |       |
|                                                                                                 |       | B     | C     | D     |
| mm²/AWG/kcmil                                                                                   | 26-12 | 26-12 | 26-12 | 26-12 |
| Nominal current I <sub>N</sub>                                                                  | 20 A  | 20 A  | 20 A  | 5 A   |
| Nominal voltage U <sub>N</sub>                                                                  | 600 V | 300 V | 300 V | 600 V |

|                                                                                                  |       |       |       |       |
|--------------------------------------------------------------------------------------------------|-------|-------|-------|-------|
| cUL Recognized  |       |       |       |       |
|                                                                                                  |       | B     | C     | D     |
| mm²/AWG/kcmil                                                                                    | 26-12 | 26-12 | 26-12 | 26-12 |
| Nominal current I <sub>N</sub>                                                                   | 20 A  | 20 A  | 20 A  | 5 A   |
| Nominal voltage U <sub>N</sub>                                                                   | 600 V | 300 V | 300 V | 600 V |

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

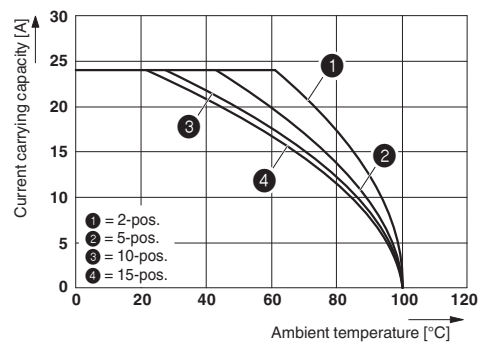
|                                                                                                      |
|------------------------------------------------------------------------------------------------------|
| cULus Recognized  |
|------------------------------------------------------------------------------------------------------|

Drawings

Circuit diagram



Diagram



The figure shows the derating curve of the UT 2,5/1P... terminal block in connection with the UPBV 2,5 plug

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