

## Plug - UPBV 4/ 1-L - 3045716

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Plug, Connection method: Screw connection, Number of positions: 1, Cross section: 0.14 mm<sup>2</sup> - 6 mm<sup>2</sup>, AWG: 26 - 10, Width: 6.2 mm, Height: 48.5 mm, Color: gray

Illustration shows various versions of the product (left, center and right element) in different color combinations

### Product description

Connector element left, left housing without engagement pin, right opened without cover

### Why buy this product

- The COMBI plugs for self-assembly provide solutions that users can implement themselves
- The screw plugs can be combined with COMBI terminal blocks with all forms of connection technology and are available in two versions
- Can be bridged with FBS ... standard bridges
- The plugs are assembled directly on site by snapping together single-position plug elements
- The connected conductors can be led directly into the cable duct to save space



### Key commercial data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 50 pc   |
| GTIN                                 | <br>4 046356 083133 |
| Weight per Piece (excluding packing) | 5.74 g  |
| Custom tariff number                 | 85366990  |
| Country of origin                    | Poland  |

### Technical data

#### General

|   |   |
|---|---|
| Number of levels                        | 1   |
| Number of connections                   | 1   |
| Color                                   | gray  |
| Insulating material                     | PA  |
| Inflammability class according to UL 94 | V0  |
| Maximum load current                    | 32 A (with 6 mm <sup>2</sup> conductor cross section) |

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## Technical data

### General

|                                  |           |
|----------------------------------|-----------|
| Rated surge voltage              | 8 kV      |
| Pollution degree                 | 3         |
| Surge voltage category           | III       |
| Insulating material group        | I         |
| Connection in acc. with standard | IEC 61984 |
| Nominal current I <sub>N</sub>   | 32 A      |
| Nominal voltage U <sub>N</sub>   | 800 V     |
| Number of positions              | 1         |

### Dimensions

|        |         |
|--------|---------|
| Width  | 6.2 mm  |
| Length | 22 mm   |
| Height | 48.5 mm |

### Connection data

|   |                      |
|---|----------------------|
| Connection in acc. with standard  | IEC 61984            |
| Connection method   | Screw connection     |
| Conductor cross section solid min.  | 0.14 mm <sup>2</sup> |
| Conductor cross section solid max.  | 6 mm <sup>2</sup>    |
| Conductor cross section AWG/kcmil min.  | 26                   |
| Conductor cross section AWG/kcmil max.  | 10                   |
| Conductor cross section stranded min.   | 0.14 mm <sup>2</sup> |
| Conductor cross section stranded max.   | 6 mm <sup>2</sup>    |
| Min. AWG conductor cross section, stranded  | 26                   |
| Max. AWG conductor cross section, stranded  | 10                   |
| Conductor cross section stranded, with ferrule without plastic sleeve min.              | 0.14 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule without plastic sleeve max.              | 4 mm <sup>2</sup>    |
| Conductor cross section stranded, with ferrule with plastic sleeve min.                 | 0.14 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule with plastic sleeve max.                 | 4 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                 |

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## Technical data

### Connection data

|                           |        |
|---------------------------|--------|
| Internal cylindrical gage | A4     |
| Screw thread              | M3     |
| Tightening torque, min    | 0.6 Nm |
| Tightening torque max     | 0.8 Nm |

## 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 | 27141120 |

### 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

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#### Approvals

UL Recognized / cUL Recognized / cULus Recognized

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#### Ex Approvals

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Approvals submitted

# Plug - UPBV 4/ 1-L - 3045716

## Approvals

### Approval details

|                                |       |       |
|--------------------------------|-------|-------|
| UL Recognized                  |       |       |
|                                | B     | C     |
| mm <sup>2</sup> /AWG/kcmil     | 26-10 | 26-10 |
| Nominal current I <sub>N</sub> | 30 A  | 30 A  |
| Nominal voltage U <sub>N</sub> | 600 V | 600 V |

|                                |       |       |
|--------------------------------|-------|-------|
| cUL Recognized                 |       |       |
|                                | B     | C     |
| mm <sup>2</sup> /AWG/kcmil     | 26-10 | 26-10 |
| Nominal current I <sub>N</sub> | 30 A  | 30 A  |
| Nominal voltage U <sub>N</sub> | 600 V | 600 V |

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

## Accessories

### Accessories

#### Bridge

Plug-in bridge - FBS 2-6 - 3030336



Plug-in bridge, Number of positions: 2, Color: red

Plug-in bridge - FBS 3-6 - 3030242



Plug-in bridge, Number of positions: 3, Color: red

## Plug - UPBV 4/ 1-L - 3045716

### Accessories

Plug-in bridge - FBS 4-6 - 3030255



Plug-in bridge, Number of positions: 4, Color: red

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Plug-in bridge - FBS 5-6 - 3030349



Plug-in bridge, Number of positions: 5, Color: red

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Plug-in bridge - FBS 10-6 - 3030271



Plug-in bridge, Number of positions: 10, Color: red

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### End cover

Flange cover - DF-UPBV 2,5/ 4 - 3060432



Flange cover, Length: 45.7 mm, Width: 4.5 mm, Height: 32 mm, Color: gray

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Spacer plate - DP PS-6 - 3036738



Spacer plate, Color: red

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### Insulating sleeve

## Plug - UPBV 4/ 1-L - 3045716

### Accessories

Insulating sleeve - MPS-IH WH - 0201663



Insulating sleeve, Color: white

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Insulating sleeve - MPS-IH RD - 0201676



Insulating sleeve, Color: red

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Insulating sleeve - MPS-IH BU - 0201689



Insulating sleeve, Color: blue

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Insulating sleeve - MPS-IH YE - 0201692



Insulating sleeve, Color: yellow

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Insulating sleeve - MPS-IH GN - 0201702



Insulating sleeve, Color: green

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## Plug - UPBV 4/ 1-L - 3045716

### Accessories

Insulating sleeve - MPS-IH GY - 0201728



Insulating sleeve, Color: gray

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Insulating sleeve - MPS-IH BK - 0201731



Insulating sleeve, Color: black

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### Mounting material

Latching - UPRZ - 3045570



Latching, Number of positions: 2, Color: orange

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Latching - UPR/ 2 - 3045567



Latching, Number of positions: 2, Color: orange

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Strain relief - UPZ/ 2 - 3045554



Strain relief, Number of positions: 2, Color: black

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### Screwdriver tools

## Plug - UPBV 4/ 1-L - 3045716

### Accessories

Screwdriver - SZS 0,6X3,5 - 1205053



Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

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### Shield connection

Shield connection clamp - PSH 3- 6 - 3040591



Shield connection clamp, Color: black

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Shield connection clamp - PSH 5-10 - 3040601



Shield connection clamp, Color: black

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### Test plug terminal block

Test plugs - MPS-MT - 0201744



Test plugs, Color: silver

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Test plugs - PAI-4-N GY - 3032871



Test plugs, Color: gray

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## Accessories

Test plugs - PS-6 - 3030996



Test plugs, Color: red

Test plugs - PS-6/2,3MM RD - 3038736



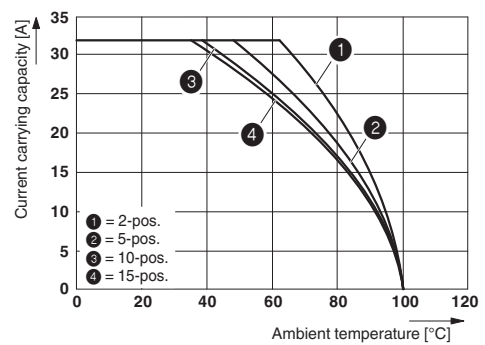
Test plugs, Color: red

## Drawings

Circuit diagram



Diagram



The figure shows the derating curve of the UT 4/1P... terminal block in connection with the UPVB 4 plug

## Plug - UPBV 4/ 1-L - 3045716

Schematic diagram

