

## Plug - UPBV 4/ 1-M - 3045745

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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 center, left housing with engagement pin, right opened without cover

### Product Features

- ✓ 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

|                  |               |
|------------------|---------------|
| package_quantity | 50            |
| GTIN             | 4046356083164 |

### Technical data

#### General

|                                         |      |
|-----------------------------------------|------|
| Number of levels                        | 1    |
| Number of connections                   | 1    |
| Color                                   | gray |
| Insulating material                     | PA   |
| Inflammability class according to UL 94 | V0   |

#### General

|                                  |                                                       |
|----------------------------------|-------------------------------------------------------|
| Maximum load current             | 32 A (with 6 mm <sup>2</sup> conductor cross section) |
| Rated surge voltage              | 8 kV                                                  |
| Pollution degree                 | 3                                                     |
| Surge voltage category           | III                                                   |
| Insulating material group        | I                                                     |
| Connection in acc. with standard | IEC 61984                                             |

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## Technical data

### General

|                       |       |
|-----------------------|-------|
| Nominal current $I_N$ | 32 A  |
| Nominal voltage $U_N$ | 800 V |
| Number of positions   | 1     |

### Dimensions

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

### Connection data

|                                                                                         |                      |
|-----------------------------------------------------------------------------------------|----------------------|
| 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>  |
| Connection method                                                                       | Screw connection     |
| Stripping length                                                                        | 9 mm                 |
| Internal cylindrical gage                                                               | A4                   |
| Screw thread                                                                            | M3                   |
| Tightening torque, min                                                                  | 0.6 Nm               |
| Tightening torque max                                                                   | 0.8 Nm               |

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## 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

UL Recognized / cUL Recognized / cULus Recognized /

### Approval details

| UL Recognized  |       |       |
|---------------------------------------------------------------------------------------------------|-------|-------|
| Usegroups                                                                                         | B     | C     |
| Nominal voltage UN                                                                                | 600 V | 600 V |
| Nominal current IN                                                                                | 30 A  | 30 A  |
| mm²/AWG/kcmil                                                                                     | 26-10 | 26-10 |

| cUL Recognized  |       |       |
|----------------------------------------------------------------------------------------------------|-------|-------|
| Usegroups                                                                                          | B     | C     |
| Nominal voltage UN                                                                                 | 600 V | 600 V |
| Nominal current IN                                                                                 | 30 A  | 30 A  |
| mm²/AWG/kcmil                                                                                      | 26-10 | 26-10 |

## Plug - UPBV 4/ 1-M - 3045745

approvals

cULus Recognized  US

accessories

**Mounting material**

UPRZ - 3045570



UPR/ 2 - 3045567



UPZ/ 2 - 3045554



**Shield connection**

PSH 3- 6 - 3040591



## Plug - UPBV 4/ 1-M - 3045745

### accessories

PSH 5-10 - 3040601



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### Screwdriver tools

SZS 0,6X3,5 - 1205053



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### End cover

DF-UPBV 2,5/ 4 - 3060432



DP PS-6 - 3036738



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### Bridge

FBS 2-6 - 3030336



## Plug - UPBV 4/ 1-M - 3045745

### accessories

FBS 3-6 - 3030242



FBS 4-6 - 3030255



FBS 5-6 - 3030349



FBS 10-6 - 3030271



### Test plug terminal block

MPS-MT - 0201744



## Plug - UPBV 4/ 1-M - 3045745

### accessories

PAI-4-N GY - 3032871



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PS-6 - 3030996



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PS-6/2,3MM RD - 3038736



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### Insulating sleeve

MPS-IH WH - 0201663



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MPS-IH RD - 0201676



## Plug - UPBV 4/ 1-M - 3045745

### accessories

MPS-IH BU - 0201689



MPS-IH YE - 0201692



MPS-IH GN - 0201702



MPS-IH GY - 0201728



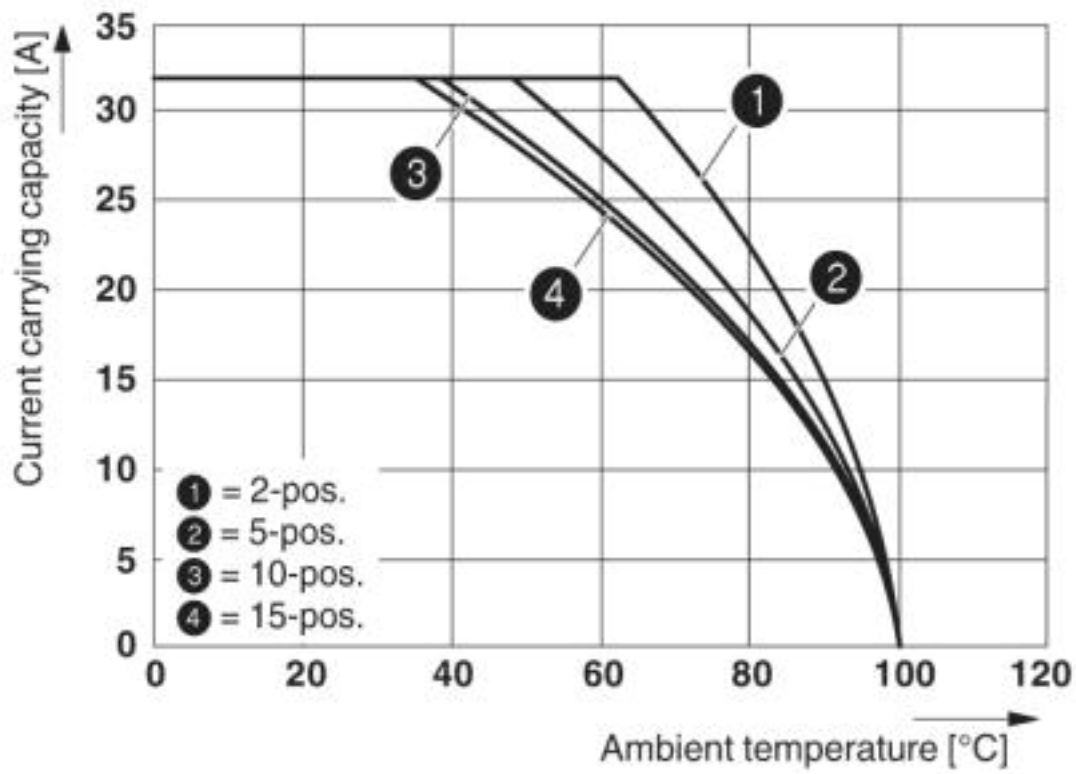
MPS-IH BK - 0201731



### Drawings

## Plug - UPBV 4/ 1-M - 3045745

Diagram



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

Circuit diagram



## Plug - UPBV 4/ 1-M - 3045745

Schematic diagram

