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## Plug - UP 4/ 1-M - 3060050

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Plug, Connection method: Screw connection, Number of positions: 1, Cross section: 0.2 mm<sup>2</sup> - 6 mm<sup>2</sup>, AWG: 24 - 10, Width: 6.2 mm, Height: 41.2 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

### 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
- The plugs are assembled directly on site by snapping together single-position plug elements
- The plug design enables space-saving potential distribution by using four-conductor terminal blocks with two slots

### Key Commercial Data

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 50 STK                                                                                                  |
| GTIN         | <br>4 046356 090179 |

### Technical data

#### General

|                                        |                                                       |
|----------------------------------------|-------------------------------------------------------|
| Number of levels                       | 1                                                     |
| Number of connections                  | 1                                                     |
| Nominal cross section                  | 4 mm <sup>2</sup>                                     |
| Color                                  | gray                                                  |
| Insulating material                    | PA                                                    |
| Flammability rating according to UL 94 | V0                                                    |
| Maximum load current                   | 32 A (with 6 mm <sup>2</sup> conductor cross section) |
| Rated surge voltage                    | 8 kV                                                  |
| Degree of pollution                    | 3                                                     |
| Overvoltage category                   | III                                                   |
| Insulating material group              | I                                                     |
| Connection in acc. with standard       | IEC 61984                                             |

# Plug - UP 4/ 1-M - 3060050

## Technical data

### General

|                                |                                                       |
|--------------------------------|-------------------------------------------------------|
| Maximum load current           | 32 A (with 6 mm <sup>2</sup> conductor cross section) |
| 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 | 21 mm    |
| Height | 41.2 mm  |
|        | 24.80 mm |

### Connection data

|                                                                                         |                      |
|-----------------------------------------------------------------------------------------|----------------------|
| Connection method                                                                       | Screw connection     |
| Connection in acc. with standard                                                        | IEC 61984            |
| Conductor cross section solid min.                                                      | 0.2 mm <sup>2</sup>  |
| Conductor cross section solid max.                                                      | 6 mm <sup>2</sup>    |
| Conductor cross section AWG min.                                                        | 24                   |
| Conductor cross section AWG max.                                                        | 10                   |
| Conductor cross section flexible min.                                                   | 0.2 mm <sup>2</sup>  |
| Conductor cross section flexible max.                                                   | 6 mm <sup>2</sup>    |
| Min. AWG conductor cross section, flexible                                              | 24                   |
| Max. AWG conductor cross section, flexible                                              | 10                   |
| 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.              | 4 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.                 | 4 mm <sup>2</sup>    |
| 2 conductors with same cross section, solid min.                                        | 0.2 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.                                     | 0.2 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, 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>  |
| 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.   | 1.5 mm <sup>2</sup>  |
| Stripping length                                                                        | 9 mm                 |
| Internal cylindrical gage                                                               | A4                   |
| Screw thread                                                                            | M3                   |
| Tightening torque, min                                                                  | 0.6 Nm               |
| Tightening torque max                                                                   | 0.8 Nm               |

# Plug - UP 4/ 1-M - 3060050

## Technical data

### 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 |

### 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 / CSA / KEMA-KEUR / IECCEB Scheme / cULus Recognized


#### Ex Approvals


#### Approvals submitted

## Plug - UP 4/ 1-M - 3060050


### Approvals


#### Approval details


| UL Recognized  |       |       |
|-------------------------------------------------------------------------------------------------|-------|-------|
|                                                                                                 | B     | C     |
| mm²/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     |
| mm²/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 |

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


| CSA  |       |       |
|-----------------------------------------------------------------------------------------|-------|-------|
|                                                                                         | B     | C     |
| mm²/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 |

| KEMA-KEUR  |       |
|-----------------------------------------------------------------------------------------------|-------|
|                                                                                               |       |
| Nominal current I <sub>N</sub>                                                                | 32 A  |
| Nominal voltage U <sub>N</sub>                                                                | 800 V |

| IECEE CB Scheme  |       |
|-----------------------------------------------------------------------------------------------------|-------|
|                                                                                                     |       |
| Nominal current I <sub>N</sub>                                                                      | 32 A  |
| Nominal voltage U <sub>N</sub>                                                                      | 800 V |

## Plug - UP 4/ 1-M - 3060050

### Approvals

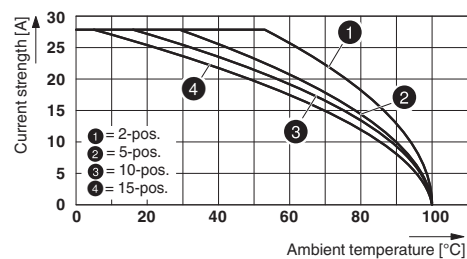
cULus Recognized 

### Drawings

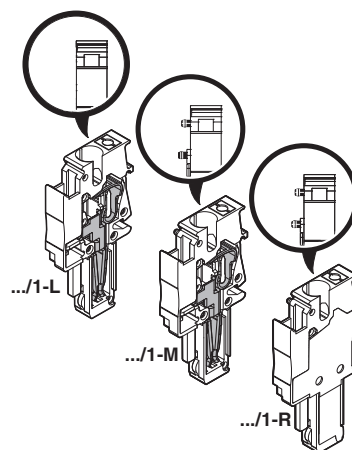
#### Circuit diagram



#### Diagram



#### Schematic diagram



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