

## COMBI receptacle - SC 4/ 1-L - 3042599

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COMBI receptacle, nom. voltage: 800 V, nominal current: 32 A, connection method: Spring-cage connection, number of connections: 2, number of positions: 1, cross section: 0.08 mm<sup>2</sup> - 6 mm<sup>2</sup>, AWG: 28 - 10, width: 6.2 mm, height: 22.3 mm, color: gray

### Your advantages

- ✓ The ST-COMBI couplings for self-assembly provide solutions that users can implement themselves
- ✓ The coupling is assembled directly on site by snapping together single-position coupling elements
- ✓ Tested for railway applications



### Key Commercial Data

|              |               |
|--------------|---------------|
| Packing unit | 50 pc         |
| GTIN         |               |
| GTIN         | 4046356012737 |

### Technical data

#### General

|  |   |
|--|---|
| Number of positions                    | 1   |
| Number of levels                       | 1   |
| Number of connections                  | 2   |
| Nominal cross section                  | 4 mm <sup>2</sup>   |
| Color                                  | gray  |
| Insulating material                    | PA  |
| Flammability rating according to UL 94 | V0  |
| Area of application                    | Railway industry  |
|  | Machine building  |
|  | Plant engineering   |
| Assembly instructions                  | Use of a parallel pressing tool is recommended for easy latching of the COMBI connector and coupling elements for self-assembly |
| Maximum load current                   | 32 A (with 6 mm <sup>2</sup> conductor cross section)   |
| Rated surge voltage                    | 8 kV  |

# COMBI receptacle - SC 4/ 1-L - 3042599

## Technical data

### General

|   |   |
|---|---|
| Degree of pollution   | 3   |
| Overvoltage category  | III   |
| Insulating material group   | I   |
| Maximum power dissipation for nominal condition                         | 1.02 W  |
| 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   |
| Open side panel   | Yes   |
| Relative insulation material temperature index (Elec., UL 746 B)        | 130 °C  |
| Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) | 130 °C  |
| Static insulating material application in cold                          | -60 °C  |
| Surface flammability NFPA 130 (ASTM E 162)                              | passed  |
| Specific optical density of smoke NFPA 130 (ASTM E 662)                 | passed  |
| Smoke gas toxicity NFPA 130 (SMP 800C)                                  | passed  |
| Calorimetric heat release NFPA 130 (ASTM E 1354)                        | 28 MJ/kg  |
| Fire protection for rail vehicles (DIN EN 45545-2) R22                  | HL 1 - HL 3   |
| Fire protection for rail vehicles (DIN EN 45545-2) R23                  | HL 1 - HL 3   |
| Fire protection for rail vehicles (DIN EN 45545-2) R24                  | HL 1 - HL 3   |
| Fire protection for rail vehicles (DIN EN 45545-2) R26                  | HL 1 - HL 3   |

### Dimensions

|                 |         |
|-----------------|---------|
| Width           | 6.2 mm  |
| End cover width | 3.2 mm  |
| Length          | 48.6 mm |
| Height          | 22.3 mm |
| Pitch           | 6.2 mm  |

### Connection data

|  |                        |
|--|------------------------|
| Connection method  | Spring-cage connection |
| Stripping length   | 8 mm ... 10 mm         |
| Connection in acc. with standard   | IEC 61984              |
| Conductor cross section solid min.   | 0.08 mm <sup>2</sup>   |
| Conductor cross section solid max.   | 6 mm <sup>2</sup>      |
| Conductor cross section AWG min.   | 28                     |
| Conductor cross section AWG max.   | 10                     |
| Conductor cross section flexible min.                                      | 0.08 mm <sup>2</sup>   |
| Conductor cross section flexible max.                                      | 4 mm <sup>2</sup>      |
| Min. AWG conductor cross section, flexible                                 | 28                     |
| Max. AWG conductor cross section, flexible                                 | 10                     |
| 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. | 4 mm <sup>2</sup>      |

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## Technical data

### Connection data

|  |                      |
|--|----------------------|
| 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.                                | 4 mm <sup>2</sup>    |
| Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, minimum | 0.5 mm <sup>2</sup>  |
| Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum | 1 mm <sup>2</sup>    |
| Internal cylindrical gage  | A4                   |

### Standards and Regulations

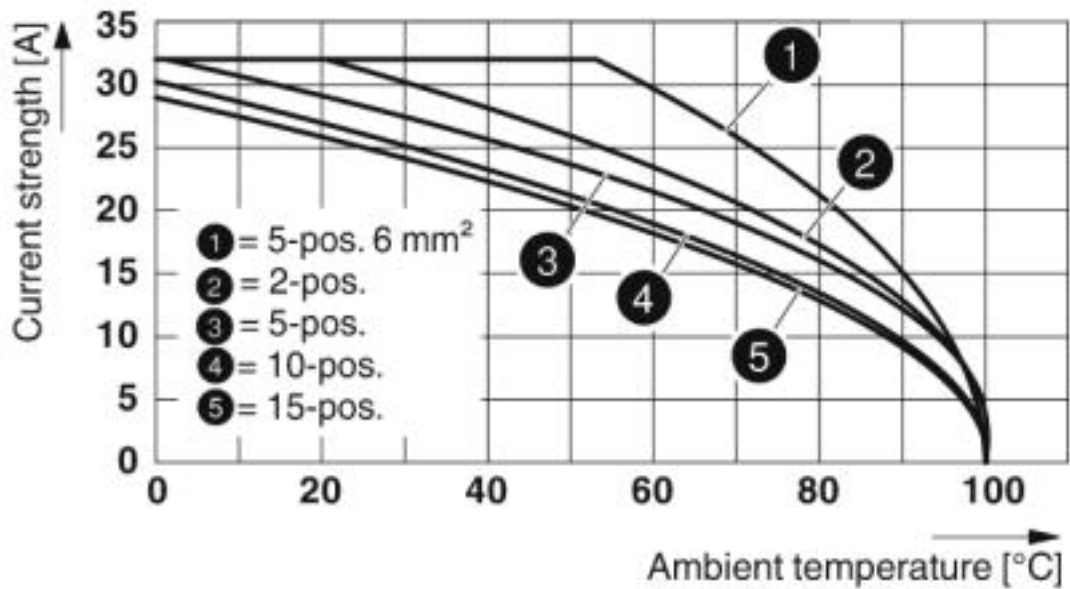
|  |           |
|--|-----------|
| Connection in acc. with standard       | CUL       |
|  | IEC 61984 |
| Flammability rating according to UL 94 | V0        |

### Environmental Product Compliance

|            |   |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

## Drawings

Diagram



# COMBI receptacle - SC 4/ 1-L - 3042599

Circuit diagram



## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27260700 |
| eCl@ss 4.1 | 27260700 |
| eCl@ss 5.0 | 27260700 |
| eCl@ss 5.1 | 27260700 |
| eCl@ss 6.0 | 27141100 |
| eCl@ss 7.0 | 27141151 |
| eCl@ss 8.0 | 27141151 |
| eCl@ss 9.0 | 27141151 |

### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000897 |
| ETIM 3.0 | EC000897 |
| ETIM 4.0 | EC000897 |
| ETIM 5.0 | EC002021 |
| ETIM 6.0 | EC002021 |
| ETIM 7.0 | EC002021 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211802 |
| UNSPSC 7.0901 | 39121402 |
| UNSPSC 11     | 39121402 |
| UNSPSC 12.01  | 39121402 |
| UNSPSC 13.2   | 39121402 |
| UNSPSC 18.0   | 39121402 |
| UNSPSC 19.0   | 39121402 |
| UNSPSC 20.0   | 39121402 |
| UNSPSC 21.0   | 39121402 |

# COMBI receptacle - SC 4/ 1-L - 3042599

## Approvals

### Approvals

#### Approvals

UL Recognized / cUL Recognized / EAC / EAC / EAC / cULus Recognized

#### Ex Approvals

### Approval details

|                            |  |   |              |
|----------------------------|--|---|--------------|
| UL Recognized              |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 60425 |
|                            |  | B   | C            |
| Nominal voltage UN         |  | 600 V   | 600 V        |
| Nominal current IN         |  | 30 A  | 30 A         |
| mm <sup>2</sup> /AWG/kcmil |  | 28-10   | 28-10        |

|                            |  |   |              |
|----------------------------|--|---|--------------|
| cUL Recognized             |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 60425 |
|                            |  | B   | C            |
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| mm <sup>2</sup> /AWG/kcmil |  | 28-10   | 28-10        |

|     |  |               |
|-----|--|---------------|
| EAC |  | EAC-Zulassung |
|-----|--|---------------|

|     |  |                          |
|-----|--|--------------------------|
| EAC |  | RU C-<br>DE.A*30.B.01742 |
|-----|--|--------------------------|

|     |  |                          |
|-----|--|--------------------------|
| EAC |  | RU C-<br>DE.BL08.B.00511 |
|-----|--|--------------------------|

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

## COMBI receptacle - SC 4/ 1-L - 3042599

### Accessories

#### Accessories

#### Coding element

Coding star - PC - 3040588



Coding star, length: 3 mm, width: 3 mm, height: 6 mm, color: red

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#### End cover

End cover - D-SC 4 - 3043307



End cover, length: 22.3 mm, width: 3.2 mm, height: 48.6 mm, color: gray

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#### Insulating sleeve

Insulating sleeve - MPS-IH WH - 0201663

Insulating sleeve, color: white



Insulating sleeve - MPS-IH RD - 0201676

Insulating sleeve, color: red



Insulating sleeve - MPS-IH BU - 0201689

Insulating sleeve, color: blue



## COMBI receptacle - SC 4/ 1-L - 3042599

### Accessories

Insulating sleeve - MPS-IH YE - 0201692

Insulating sleeve, color: yellow



Insulating sleeve - MPS-IH GN - 0201702

Insulating sleeve, color: green



Insulating sleeve - MPS-IH GY - 0201728

Insulating sleeve, color: gray



Insulating sleeve - MPS-IH BK - 0201731

Insulating sleeve, color: black



Insulating sleeve - ISH 4/0,5 - 3002885

Insulating sleeve, color: gray



## COMBI receptacle - SC 4/ 1-L - 3042599

### Accessories

Insulating sleeve - ISH 4/1,0 - 3002898



Insulating sleeve, color: black

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### Mounting material

Panel feed-through - SSL 2,5 - 3043815



Panel feed-through, width: 5.2 mm, color: gray

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Strain relief - CZ/2 - 3043831



Strain relief, length: 28.9 mm, width: 19.8 mm, number of positions: 2, color: black

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### Screwdriver tools

Screwdriver - SZF 1-0,6X3,5 - 1204517



Actuation tool, for ST terminal blocks, 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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Actuation tool - ST-BW - 1207608



Actuation tool, for all 2.5 mm<sup>2</sup> - 4.0 mm<sup>2</sup> spring-cages

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### Test plug terminal block



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### Accessories

Test plugs - MPS-MT - 0201744



Test plugs, with solder connection up to 1 mm<sup>2</sup> conductor cross section, color: gray

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