

## Plug - SP 4/ 4 - 3042926

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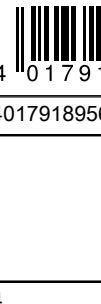
Plug, number of positions: 4, connection method: Spring-cage connection, cross section: 0.08 mm<sup>2</sup>- 6 mm<sup>2</sup>, AWG: 28 - 10, nominal current: 32 A, nom. voltage: 800 V, width: 24.8 mm, color: gray

### Your advantages

- Large-surface labeling option
- Practical coding option
- Tested for railway applications



### Key Commercial Data

|              |  |
|--------------|--|
| Packing unit | 50 pc  |
| GTIN         | <br>4 017918 956264 |
| GTIN         | 4017918956264  |

### Technical data

#### General

|   |   |
|---|---|
| Number of positions                             | 4   |
| Nominal cross section                           | 4 mm <sup>2</sup>                                     |
| Color   | gray  |
| Insulating material                             | PA  |
| Flammability rating according to UL 94          | V0  |
| Rated surge voltage                             | 8 kV  |
| 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   |

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## Technical data

### General

|   |             |
|---|-------------|
| 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      |
| Calorimetric heat release NFPA 130 (ASTM E 1354)                        | 28 MJ/kg    |
| Smoke gas toxicity NFPA 130 (SMP 800C)                                  | passed      |
| 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  | 24.8 mm |
| Length | 21 mm   |
| Height | 41.5 mm |
|        | 24 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>      |
| 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

# Plug - SP 4/ 4 - 3042926

## Technical data

### Standards and Regulations

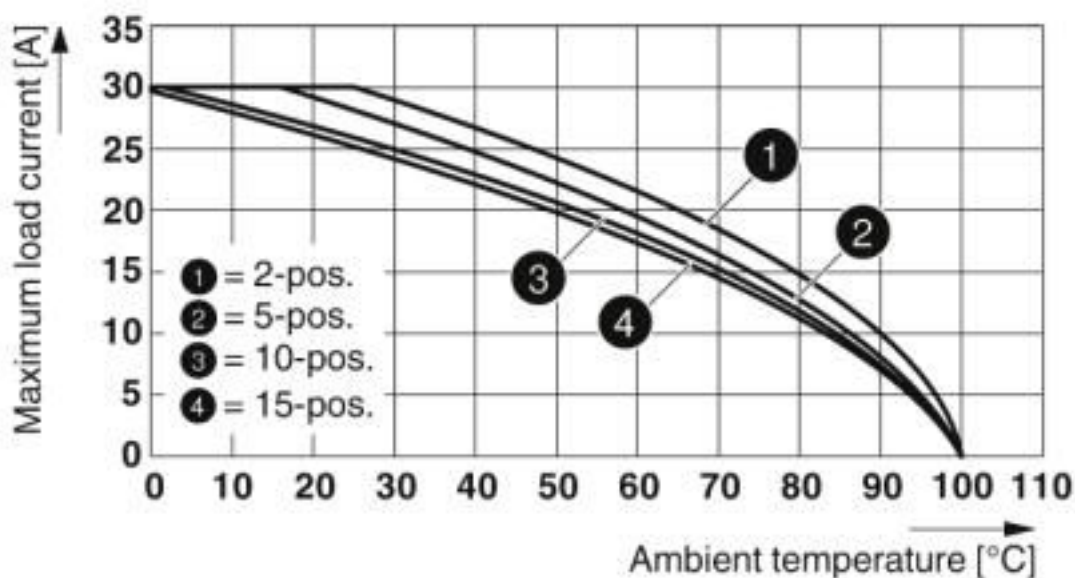
|  |           |
|--|-----------|
| Connection in acc. with standard       | CSA       |
|  | IEC 61984 |
| Flammability rating according to UL 94 | V0        |

### Environmental Product Compliance

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

## Drawings

Diagram



Derating curve for ST 4/ 1P and for all plug versions SP...

Circuit diagram



## Classifications

eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27141151 |
| eCl@ss 4.0    | 27260700 |
| eCl@ss 4.1    | 27260700 |
| eCl@ss 5.0    | 27260700 |

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## Classifications

### eCl@ss

|            |          |
|------------|----------|
| 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 | EC002021 |
| 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 |

## Approvals

### Approvals

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#### Approvals

CSA / UL Recognized / cUL Recognized / IECCEB Scheme / EAC / EAC / VDE Zeichengenehmigung / cULus Recognized

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#### Ex Approvals

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### Approval details

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## Approvals

|                            |       |   |       |
|----------------------------|-------|---|-------|
| CSA                        |       | <a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a> | 13631 |
|                            | B     | C   |       |
| Nominal voltage UN         | 600 V | 600 V   |       |
| Nominal current IN         | 30 A  | 30 A  |       |
| mm <sup>2</sup> /AWG/kcmil | 24-12 | 24-12   |       |

|                            |       |   |              |
|----------------------------|-------|---|--------------|
| 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   |              |
| Nominal voltage UN         | 600 V | 600 V   |              |
| Nominal current IN         | 30 A  | 30 A  |              |
| mm <sup>2</sup> /AWG/kcmil | 28-10 | 28-10   |              |

|                 |  |   |                 |
|-----------------|--|---|-----------------|
| IECEE CB Scheme |  | <a href="http://www.iecee.org/">http://www.iecee.org/</a> | DE1-62736/B1/B2 |
|-----------------|--|---|-----------------|

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

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

|                        |       |   |          |
|------------------------|-------|---|----------|
| VDE Zeichengenehmigung |       | <a href="http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx">http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx</a> | 40019518 |
| Nominal voltage UN     | 800 V |   |          |

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## Approvals

|                            |       |
|----------------------------|-------|
| mm <sup>2</sup> /AWG/kcmil | 0.2-6 |
|----------------------------|-------|

cULus Recognized

## Accessories

### Accessories

#### Insulating sleeve

Insulating sleeve - ISH 4/0,5 - 3002885



Insulating sleeve, color: gray

Insulating sleeve - ISH 4/1,0 - 3002898



Insulating sleeve, color: black

#### Labeled terminal marker

Zack Marker strip, flat - ZBF 6 CUS - 0825027



Zack Marker strip, flat, Strip, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 6.2 mm, lettering field size: 5.15 x 6.15 mm, Number of individual labels: 10

Marker for terminal blocks - UC-TMF 6 CUS - 0824646



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 6.2 mm, lettering field size: 5.6 x 5.1 mm, Number of individual labels: 80

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### Accessories

#### Marker for terminal blocks - UCT-TMF 6 CUS - 0829665



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 6.2 mm, lettering field size: 5.4 x 4.7 mm, Number of individual labels: 60

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#### Zack Marker strip, flat - ZBF 6,LGS:FORTL.ZAHLEN - 0808749



Zack Marker strip, flat, Strip, white, labeled, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snap into flat marker groove, for terminal block width: 6.2 mm, lettering field size: 5.15 x 6.15 mm, Number of individual labels: 10

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#### Zack Marker strip, flat - ZBF 6,QR:FORTL.ZAHLEN - 0808765



Zack Marker strip, flat, Strip, white, labeled, Printed vertically: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snap into flat marker groove, for terminal block width: 6.2 mm, lettering field size: 5.15 x 6.15 mm, Number of individual labels: 10

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#### Zack Marker strip, flat - ZBF 6,LGS:GERADE ZAHLEN - 0810834



Zack Marker strip, flat, Strip, white, labeled, printed horizontally: consecutive numbers 2 ... 20, 22 ... 40, etc. up to 82 ... 100, mounting type: snap into flat marker groove, for terminal block width: 6.2 mm, lettering field size: 5.15 x 6.15 mm, Number of individual labels: 10

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#### Zack Marker strip, flat - ZBF 6,LGS:UNGERADE ZAHLEN - 0810876



Zack Marker strip, flat, Strip, white, labeled, printed horizontally: Odd numbers 1 - 19, 21 - 39, etc. up to 81 - 99, mounting type: snap into flat marker groove, for terminal block width: 6.2 mm, lettering field size: 5.15 x 6.15 mm, Number of individual labels: 10

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#### Marker pen

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### Accessories

Marker pen - B-STIFT - 1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

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Marker pen - X-PEN 0,35 - 0811228



Marker pen without ink cartridge, for manual labeling of markers, labeling extremely wipe-proof, line thickness 0.35 mm

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### Mounting material

Latching - PR - 3040559



Latching, length: 29.8 mm, width: 4.4 mm, number of positions: 1, color: orange

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Latching - PR/2 - 3040630



Latching, length: 29.8 mm, width: 10 mm, number of positions: 2, color: orange

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Latching - PRT/2 - 3040631



Latching, can only be released using a screwdriver, length: 23.2 mm, width: 9 mm, number of positions: 2, color: orange

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## Plug - SP 4/ 4 - 3042926

### Accessories

Latching - PRZ - 3040614



Latching, length: 63.6 mm, width: 9.7 mm, number of positions: 2, color: orange

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### Screwdriver tools

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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### 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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### Strain relief

Strain relief - PZ/2 - 3040627



Strain relief, length: 48.7 mm, width: 9.3 mm, number of positions: 2, color: black

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## Plug - SP 4/ 4 - 3042926

### Accessories

Strain relief - PZ/4 - 3040643



Strain relief, length: 48.7 mm, width: 19.6 mm, number of positions: 4, color: black

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### Terminal marking

Zack Marker strip, flat - ZBF 6:UNBEDRUCKT - 0808710



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into flat marker groove, for terminal block width: 6.2 mm, lettering field size: 5.15 x 6.15 mm, Number of individual labels: 10

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Marker for terminal blocks - UC-TMF 6 - 0818140



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into flat marker groove, for terminal block width: 6.2 mm, lettering field size: 5.6 x 5.1 mm, Number of individual labels: 80

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Marker for terminal blocks - UCT-TMF 6 - 0828746



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snap into flat marker groove, for terminal block width: 6.2 mm, lettering field size: 5.4 x 4.7 mm, Number of individual labels: 60

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