

## Plug - SPV 2,5/ 3 - 3041736

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Plug, number of positions: 3, connection method: Spring-cage connection, cross section: 0.08 mm<sup>2</sup>- 4 mm<sup>2</sup>, AWG: 28 - 12, nominal current: 24 A, nom. voltage: 500 V, width: 15.6 mm, color: gray


### Your advantages

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



COMPLIANT

### Key Commercial Data

|              |   |
|--------------|---|
| Packing unit | 50 pc   |
| GTIN         | <br>4 046356 055093 |
| GTIN         | 4046356055093   |

### Technical data

#### General

|   |   |
|---|---|
| Number of positions                             | 3   |
| Nominal cross section                           | 2.5 mm <sup>2</sup>                                   |
| Color   | gray  |
| Insulating material                             | PA  |
| Flammability rating according to UL 94          | V0  |
| Rated surge voltage                             | 6 kV  |
| Degree of pollution                             | 3   |
| Overvoltage category                            | III   |
| Insulating material group                       | I   |
| Maximum power dissipation for nominal condition | 0.77 W  |
| Maximum load current                            | 24 A (with 4 mm <sup>2</sup> conductor cross section) |
| Nominal current I <sub>N</sub>                  | 24 A  |
| Nominal voltage U <sub>N</sub>                  | 500 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  | 15.6 mm |
| Length | 23.4 mm |
| Height | 34 mm   |
|        | 19 mm   |
| Pitch  | 5.2 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.   | 4 mm <sup>2</sup>      |
| Conductor cross section AWG min.   | 28                     |
| Conductor cross section AWG max.   | 12                     |
| Conductor cross section flexible min.                                      | 0.08 mm <sup>2</sup>   |
| Conductor cross section flexible max.                                      | 2.5 mm <sup>2</sup>    |
| Min. AWG conductor cross section, flexible                                 | 28                     |
| Max. AWG conductor cross section, flexible                                 | 14                     |
| 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. | 2.5 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.    | 2.5 mm <sup>2</sup>    |
| Internal cylindrical gage  | A3                     |

### Standards and Regulations

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

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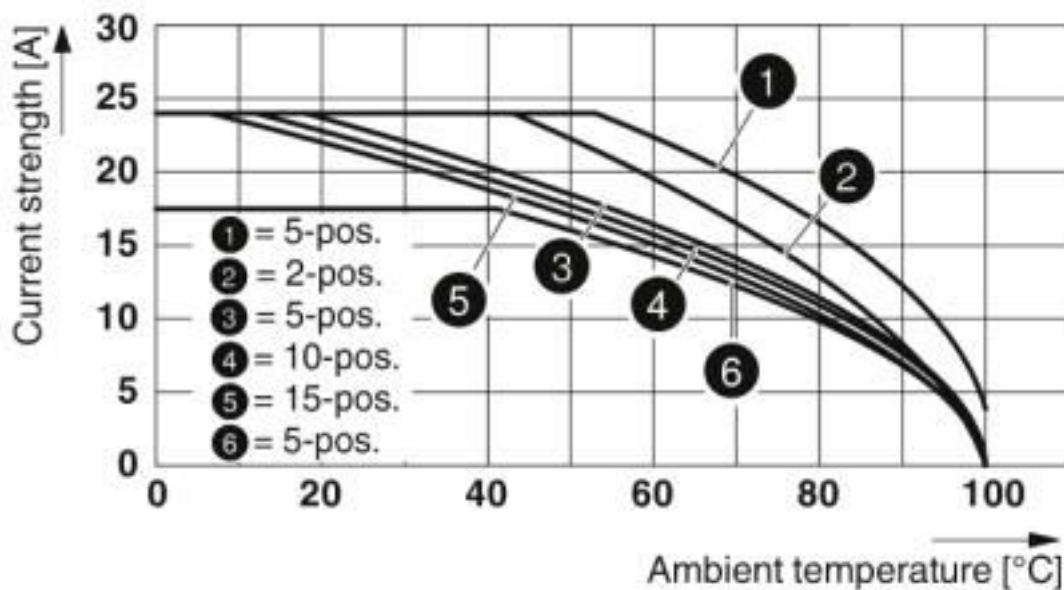
## Technical data

### Environmental Product Compliance

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

## Drawings

Diagram



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 |
| 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 |

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## Classifications

### 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

#### Approvals

UL Recognized / cUL Recognized / IEC CB Scheme / EAC / EAC / EAC / VDE Zeichengenehmigung / 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            | D     |
| Nominal voltage UN         | 600 V   | 300 V   | 300 V        | 600 V |
| Nominal current IN         | 20 A  | 20 A  | 20 A         | 5 A   |
| mm <sup>2</sup> /AWG/kcmil | 26-12   | 26-12   | 26-12        | 26-12 |

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## Approvals

|                            |       |       |       |   |  |              |  |
|----------------------------|-------|-------|-------|---|--|--------------|--|
| 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     | D   |  |              |  |
| Nominal voltage UN         | 600 V | 300 V | 300 V | 600 V   |  |              |  |
| Nominal current IN         | 20 A  | 20 A  | 20 A  | 5 A   |  |              |  |
| mm <sup>2</sup> /AWG/kcmil | 26-12 | 26-12 | 26-12 | 26-12   |  |              |  |

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

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

|     |  |  |  |                          |  |  |  |
|-----|--|--|--|--------------------------|--|--|--|
| 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         |  | 500 V |  |   |  |          |  |
| mm <sup>2</sup> /AWG/kcmil |  | 0.2-4 |  |   |  |          |  |

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

## Accessories

Accessories

Insulating sleeve

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### Accessories

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



Insulating sleeve - MPS-IH YE - 0201692

Insulating sleeve, color: yellow



Insulating sleeve - MPS-IH GN - 0201702

Insulating sleeve, color: green



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### Accessories

Insulating sleeve - MPS-IH GY - 0201728

Insulating sleeve, color: gray



Insulating sleeve - MPS-IH BK - 0201731

Insulating sleeve, color: black



### Mounting material

Latching - PRV/2 - 3041862



Latching, length: 15.8 mm, width: 10 mm, number of positions: 2, color: orange

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### Partition plate

Spacer plate - DP PS-5 - 3036725



Spacer plate, length: 22.4 mm, width: 5.2 mm, height: 29 mm, number of positions: 1, color: red

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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

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### Accessories

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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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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### Test plug terminal block

Reducing plug - RPS - 0201647



Reducing plug, color: gray

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## Plug - SPV 2,5/ 3 - 3041736

### 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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Test plugs - PS-5 - 3030983



Test plugs, Modular test plug, color: red

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Test plugs - PS-5/2,3MM RD - 3038723



Test plugs, color: red

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