

# Coupling - SC 4/ 2 - 3042450

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Coupling, Connection method: Spring-cage connection, Number of positions: 2, Cross section: 0.08 mm<sup>2</sup> - 6 mm<sup>2</sup>, AWG: 28 - 12, Width: 12.4 mm, Height: 22.3 mm, Color: gray

The illustration shows the 5-position version of the product

## Product Features

- Standard strain relief can be used
- Tested for railway applications

## Key commercial data

|                         |               |
|-------------------------|---------------|
| <b>package_quantity</b> | 50            |
| <b>GTIN</b>             | 4046356012591 |

## Technical data

### General

|  |                        |
|--|------------------------|
| <b>Number of levels</b>                        | 1                      |
| <b>Number of connections</b>                   | 2                      |
| <b>Color</b>                                   | gray                   |
| <b>Insulating material</b>                     | PA                     |
| <b>Inflammability class according to UL 94</b> | V0                     |
| <b>Area of application</b>                     | Railway industry       |
| <b>Area of application</b>                     | Mechanical engineering |
| <b>Area of application</b>                     | Plant engineering      |

### General

|   |   |
|---|---|
| <b>Maximum load current</b>             | 32 A (with 6 mm <sup>2</sup> conductor cross section) |
| <b>Rated surge voltage</b>              | 8 kV  |
| <b>Pollution degree</b>                 | 3   |
| <b>Surge voltage category</b>           | III   |
| <b>Insulating material group</b>        | I   |
| <b>Connection in acc. with standard</b> | IEC 61984   |
| <b>Nominal current I<sub>N</sub></b>    | 32 A  |
| <b>Nominal voltage U<sub>N</sub></b>    | 800 V   |
| <b>Open side panel</b>                  | ja  |
| <b>Number of positions</b>              | 2   |

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## Technical data

### Dimensions

|        |         |
|--------|---------|
| Width  | 12.4 mm |
| Length | 48.6 mm |
| Height | 22.3 mm |

### Connection data

|   |                        |
|---|------------------------|
| 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/kcmil min.  | 28                     |
| Conductor cross section AWG/kcmil max   | 12                     |
| Conductor cross section stranded min.   | 0.08 mm <sup>2</sup>   |
| Conductor cross section stranded max.   | 4 mm <sup>2</sup>      |
| Min. AWG conductor cross section, stranded  | 28                     |
| Max. AWG conductor cross section, stranded  | 12                     |
| 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, 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>      |
| Connection method   | Spring-cage connection |
| Stripping length  | 10 mm                  |
| Internal cylindrical gage   | A4                     |

## 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 | EC000897 |
| ETIM 5.0 | EC000897 |

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## classifications

### UNSPSC

|                      |          |
|----------------------|----------|
| <b>UNSPSC 6.01</b>   | 30211802 |
| <b>UNSPSC 7.0901</b> | 39121402 |
| <b>UNSPSC 11</b>     | 39121402 |
| <b>UNSPSC 12.01</b>  | 39121402 |
| <b>UNSPSC 13.2</b>   | 39121402 |

## approvals

UL Recognized / cUL Recognized / GOST / GOST / cULus Recognized /

### Approval details

**UL Recognized**

| Usegroups                  | 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**

| Usegroups                  | 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 |

**GOST**

**cULus Recognized**

## Coupling - SC 4/ 2 - 3042450

accessories

### End cover

D-SC 4 - 3043307



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### Mounting material

CZ/2 - 3043831



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### Screwdriver tools

SZF 1-0,6X3,5 - 1204517



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### Test plug terminal block

MPS-MT - 0201744



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### Insulating sleeve

# Coupling - SC 4/ 2 - 3042450

## accessories

MPS-IH WH - 0201663



MPS-IH RD - 0201676



MPS-IH BU - 0201689



MPS-IH YE - 0201692



MPS-IH GN - 0201702



MPS-IH GY - 0201728



# Coupling - SC 4/ 2 - 3042450

accessories

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MPS-IH BK - 0201731



ISH 4/0,5 - 3002885



ISH 4/1,0 - 3002898



## Drawings

Circuit diagram

