

## Plug - SPB 2,5/10 - 3040193

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Plug, Connection method: Spring-cage connection, Number of positions: 10, Cross section: 0.08 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 28 - 12, Width: 52 mm, Height: 39 mm, Color: gray

The illustration shows a 6-position version

### Product Features

- Plug with bridging option, for use with basic terminal blocks



### Key Commercial Data

|                                      |          |
|--------------------------------------|----------|
| Packing unit                         | 1 pc     |
| Weight per Piece (excluding packing) | 32.38 g  |
| Custom tariff number                 | 85366990 |
| Country of origin                    | Poland   |

### Technical data

#### General

|  |   |
|--|---|
| Number of levels                       | 1   |
| Number of connections                  | 10  |
| Nominal cross section                  | 2.5 mm <sup>2</sup>                                       |
| Color                                  | gray  |
| Insulating material                    | PA  |
| Flammability rating according to UL 94 | V0  |
| Maximum load current                   | 24 A (with a 2.5 mm <sup>2</sup> conductor cross section) |
| Rated surge voltage                    | 6 kV  |
| Degree of pollution                    | 3   |
| Overvoltage category                   | III   |
| Insulating material group              | I   |
| Connection in acc. with standard       | IEC 61984   |

# Plug - SPB 2,5/10 - 3040193

## Technical data

### General

|                                |   |
|--------------------------------|---|
| 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   |
| Open side panel                | No  |

### Dimensions

|        |          |
|--------|----------|
| Width  | 52 mm    |
| Length | 20 mm    |
| Height | 39 mm    |
|        | 24.00 mm |
| Pitch  | 5.20 mm  |

### Connection data

|   |                        |
|---|------------------------|
| Connection method   | Spring-cage connection |
| 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>    |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 0.5 mm <sup>2</sup>    |
| Stripping length  | 8 mm ... 10 mm         |
| Internal cylindrical gage   | A3                     |
| Connection method   | Plug connection        |

### Standards and Regulations

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

# Plug - SPB 2,5/10 - 3040193

## 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 | 27141151 |
| eCl@ss 7.0 | 27141151 |
| eCl@ss 8.0 | 27141151 |

### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000897 |
| ETIM 3.0 | EC000897 |
| ETIM 4.0 | EC001121 |
| 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

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#### Approvals

CSA / UL Recognized / cUL Recognized / LR / GL / BV / RS / EAC / EAC / cULus Recognized

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#### Ex Approvals

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Approvals submitted


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### Approval details

# Plug - SPB 2,5/10 - 3040193

## Approvals

|   |       |       |
|---|-------|-------|
| CSA  |       |       |
|   | B     | C     |
| mm <sup>2</sup> /AWG/kcmil  | 24-12 | 24-12 |
| Nominal current IN  | 20 A  | 20 A  |
| Nominal voltage UN  | 300 V | 300 V |

|   |       |       |       |
|---|-------|-------|-------|
| UL Recognized  |       |       |       |
|   | B     | C     | D     |
| mm <sup>2</sup> /AWG/kcmil  | 28-12 | 28-12 | 28-12 |
| Nominal current IN  | 20 A  | 20 A  | 5 A   |
| Nominal voltage UN  | 300 V | 300 V | 600 V |

|  |       |       |       |
|--|-------|-------|-------|
| cUL Recognized  |       |       |       |
|  | B     | C     | D     |
| mm <sup>2</sup> /AWG/kcmil   | 28-12 | 28-12 | 28-12 |
| Nominal current IN   | 20 A  | 20 A  | 5 A   |
| Nominal voltage UN   | 300 V | 300 V | 600 V |

LR

GL

BV

RS

EAC

EAC

## Plug - SPB 2,5/10 - 3040193

### Approvals



### Accessories

#### Accessories

#### Flange

Flange cover - DFS-SPB 2,5 - 3061444



Flange cover, Length: 35.8 mm, Width: 4.5 mm, Height: 24.7 mm, Color: gray

#### Insulating sleeve

Insulating sleeve - ISH 2,5/0,2 - 3002843



Insulating sleeve, Color: white

Insulating sleeve - ISH 2,5/0,5 - 3002856



Insulating sleeve, Color: gray

Insulating sleeve - ISH 2,5/1,0 - 3002869



Insulating sleeve, Color: black

## Plug - SPB 2,5/10 - 3040193

### Accessories

#### Jumper

Plug-in bridge - FBS 2-5 - 3030161



Plug-in bridge, Length: 22.7 mm, Width: 9 mm, Number of positions: 2, Color: red

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Plug-in bridge - FBS 3-5 - 3030174



Plug-in bridge, Length: 22.7 mm, Width: 14.2 mm, Number of positions: 3, Color: red

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Plug-in bridge - FBS 4-5 - 3030187



Plug-in bridge, Length: 22.7 mm, Width: 19.4 mm, Number of positions: 4, Color: red

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Plug-in bridge - FBS 5-5 - 3030190



Plug-in bridge, Length: 22.7 mm, Width: 24.6 mm, Number of positions: 5, Color: red

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Plug-in bridge - FBS 10-5 - 3030213



Plug-in bridge, Length: 22.7 mm, Width: 50.6 mm, Number of positions: 10, Color: red

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## Plug - SPB 2,5/10 - 3040193

### Accessories

Plug-in bridge - FBS 20-5 - 3030226



Plug-in bridge, Number of positions: 20, Color: red

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Plug-in bridge - FBS 50-5 - 3038930



Plug-in bridge, Number of positions: 50, Color: red

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Plug-in bridge - FBS 2-5 BU - 3036877



Plug-in bridge, Number of positions: 2, Color: blue

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Plug-in bridge - FBS 3-5 BU - 3036880



Plug-in bridge, Number of positions: 3, Color: blue

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Plug-in bridge - FBS 4-5 BU - 3036893



Plug-in bridge, Number of positions: 4, Color: blue

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## Plug - SPB 2,5/10 - 3040193

### Accessories

Plug-in bridge - FBS 5-5 BU - 3036903



Plug-in bridge, Number of positions: 5, Color: blue

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Plug-in bridge - FBS 10-5 BU - 3036916



Plug-in bridge, Number of positions: 10, Color: blue

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Plug-in bridge - FBS 20-5 BU - 3036929



Plug-in bridge, Number of positions: 20, Color: blue

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Plug-in bridge - FBS 50-5 BU - 3032114



Plug-in bridge, Number of positions: 50, Color: blue

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Plug-in bridge - FBS 2-5 GY - 3038969



Plug-in bridge, Number of positions: 2, Color: gray

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## Plug - SPB 2,5/10 - 3040193

### Accessories

Plug-in bridge - FBS 3-5 GY - 3038972



Plug-in bridge, Number of positions: 3, Color: gray

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Plug-in bridge - FBS 4-5 GY - 3038985



Plug-in bridge, Number of positions: 4, Color: gray

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Plug-in bridge - FBS 5-5 GY - 3038998



Plug-in bridge, Number of positions: 5, Color: gray

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Plug-in bridge - FBS 10-5 GY - 3039007



Plug-in bridge, Number of positions: 10, Color: gray

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Plug-in bridge - FBS 20-5 GY - 3038671



Plug-in bridge, Number of positions: 20, Color: gray

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## Plug - SPB 2,5/10 - 3040193

### Accessories

Plug-in bridge - FBS 50-5 GY - 3032127



Plug-in bridge, Number of positions: 50, Color: gray

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Plug-in bridge - FBSR 2-5 - 3033702



Plug-in bridge, Number of positions: 2, Color: red

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Plug-in bridge - FBSR 3-5 - 3001591



Plug-in bridge, Number of positions: 3, Color: red

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Plug-in bridge - FBSR 4-5 - 3001592



Plug-in bridge, Number of positions: 4, Color: red

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Plug-in bridge - FBSR 5-5 - 3001593



Plug-in bridge, Number of positions: 5, Color: red

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## Plug - SPB 2,5/10 - 3040193

### Accessories

Plug-in bridge - FBSR 10-5 - 3033710



Plug-in bridge, Number of positions: 10, Color: red

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### Labeled terminal marker

Zack Marker strip, flat - ZBF 5 CUS - 0825025



Zack Marker strip, flat, can be ordered: Strip, white, labeled according to customer specifications, Mounting type: Snap into flat marker groove, for terminal block width: 5 mm, Lettering field: 5.15 x 5.15 mm

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Zack Marker strip, flat - ZBF 5,LGS:FORTL.ZAHLEN - 0808671



Zack Marker strip, flat, Strip, white, labeled, Printed horizontally: Consecutive numbers 1 - 10, 11 - 20, etc. up to 491 - 500, Mounting type: Snap into flat marker groove, for terminal block width: 5 mm, Lettering field: 5.15 x 5.15 mm

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Zack Marker strip, flat - ZBF 5,QR:FORTL.ZAHLEN - 0808697



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: 5 mm, Lettering field: 5.15 x 5.15 mm

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Zack Marker strip, flat - ZBF 5,LGS:GERADE ZAHLEN - 0810821



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: 5 mm, Lettering field: 5.15 x 5.15 mm

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## Plug - SPB 2,5/10 - 3040193

### Accessories

Zack Marker strip, flat - ZBF 5,LGS:UNGERADE ZAHLEN - 0810863



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: 5 mm, Lettering field: 5.15 x 5.15 mm

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Marker for terminal blocks - UC-TMF 5 CUS - 0824638



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: 5.2 mm, Lettering field: 4.6 x 5.1 mm

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Marker for terminal blocks - UCT-TMF 5 CUS - 0829658



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: 5.2 mm, Lettering field: 4.4 x 4.7 mm

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Marker pen

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

## Plug - SPB 2,5/10 - 3040193

### Accessories

#### Mounting material

Latching - PR - 3040559



Latching, Number of positions: 1, Color: orange

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Latching - PR/2 - 3040630



Latching, Number of positions: 2, Color: orange

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Latching - PRT/2 - 3040631



Latching, can only be released using a screwdriver, Number of positions: 2, Color: orange

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Latching - PRZ - 3040614



Latching, Length: 3 mm, Width: 5.2 mm, Number of positions: 2, Color: orange

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### Screwdriver tools

Screwdriver - ST-BW - 1207608



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

## Plug - SPB 2,5/10 - 3040193

### Accessories

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#### Shield connection

Shield connection clip - PSH 3- 6 - 3040591



Shield connection clip, Color: black

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Shield connection clip - PSH 5-10 - 3040601



Shield connection clip, Color: black

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#### Strain relief

Strain relief - PZ/2 - 3040627



Strain relief, Number of positions: 2, Color: black

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Strain relief - PZ/4 - 3040643



Strain relief, Number of positions: 4, Color: black

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#### Terminal marking

## Plug - SPB 2,5/10 - 3040193

### Accessories

Zack Marker strip, flat - ZBF 5:UNBEDRUCKT - 0808642



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into flat marker groove, for terminal block width: 5 mm, Lettering field: 5.1 x 5.2 mm

Marker for terminal blocks - UC-TMF 5 - 0818153



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK CLED, BLUEMARK LED, Plotter, Mounting type: Snap into flat marker groove, for terminal block width: 5.2 mm, Lettering field: 4.6 x 5.1 mm

Marker for terminal blocks - UCT-TMF 5 - 0828744



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: THERMOMARK CARD, BLUEMARK CLED, BLUEMARK LED, TOPMARK LASER, Mounting type: Snap into flat marker groove, for terminal block width: 5.2 mm, Lettering field: 4.4 x 4.7 mm

### Drawings

#### Diagram

Derating  
curve  
for  
ST  
2,5/  
1P/IN-  
5P/1P,  
3,5/  
2P-  
5P/IN-  
2,5/1P  
3P/IN/  
1P  
all  
plug  
versions  
Fig. .

# Plug - SPB 2,5/10 - 3040193

versions  
SP...

## Diagram

Derating  
curve  
for  
STTB  
2,5/  
QUATTRO/2P,  
STTB  
2,5/  
QUATTRO/4P  
and  
for  
all  
plug  
versions  
SP...

## Diagram

Derating  
curve  
for  
ST  
2,5-4L/1P,  
ST  
2,5-4L/2P  
and  
for  
all  
plug  
versions  
SP...

## Circuit diagram





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