

## Data Sheet | Item Number: 2004-549

Spacer module; modular; e.g., for bridging commoned terminal blocks; gray

<https://www.wago.com/2004-549>



Color: ■ gray

### Connection Data

#### Connection 1

|             |   |
|-------------|---|
| Pole number | 1 |
|-------------|---|

### Physical data

|              |                       |
|--------------|-----------------------|
| Width        | 6.2 mm / 0.244 inches |
| Module width | 6.2 mm / 0.244 inches |

### Mechanical data

|               |                     |
|---------------|---------------------|
| Marking level | Center/side marking |
|---------------|---------------------|

### Material data

|                             |  |
|-----------------------------|--|
| Note (material data)        | <a href="#">Information on material specifications can be found here</a> |
| Color                       | gray   |
| Flammability class per UL94 | V0   |
| Fire load                   | 0.049 MJ   |
| Weight                      | 1.6 g  |

### Environmental requirements

#### Environmental Testing

|   |  |
|---|--|
| Test specification:<br>Railway applications –<br>Rolling stock –<br>Electronic equipment            | DIN EN 50155 (VDE 0115-200):2022-06      |
| Test procedure:<br>Railway applications –<br>Rolling stock equipment –<br>Vibration and shock tests | DIN EN 61373 (VDE 0115-0106):2011-04     |
| Spectrum/Mounting location  | Service life test, Category 1, Class A/B |

#### Environmental Testing

|  |  |
|--|--|
| Functional test with noise-like oscillations | Test passed according to Section 8 of the standard |
| Frequency                                    | $f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$     |
| Acceleration                                 | 0.101g (highest test level used for all axes)      |
| Test duration per axis                       | 10 min.  |
| Test directions                              | X, Y and Z axes                                    |

## Environmental Testing

|   |   |
|---|---|
| Monitoring of contact faults and interruptions                                  | Passed  |
| Voltage drop measurement before and after each axis                             | Passed  |
| Simulated service life test through increased levels of noise-like oscillations | Test passed according to Section 9 of the standard  |
| Frequency   | $f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$      |
| Acceleration  | 0.572g (highest test level used for all axes)       |
| Test duration per axis  | 5 h   |
| Test directions   | X, Y and Z axes                                     |
| Extended testing: Monitoring of contact faults and interruptions                | Passed  |
| Extended testing: Voltage drop measurement before and after each axis           | Passed  |
| Shock test  | Test passed according to Section 10 of the standard |
| Shock pulse form  | Half sine   |
| Acceleration  | 5g (highest test level used for all axes)           |
| Shock duration  | 30 ms   |
| Number of shocks (per axis)   | 3 pos. und 3 neg.                                   |
| Test directions   | X, Y and Z axes                                     |
| Extended testing: Monitoring of contact faults and interruptions                | Passed  |
| Extended testing: Voltage drop measurement before and after each axis           | Passed  |
| Vibration and shock stress for rolling stock equipment                          | Passed  |

## Commercial data

|                       |               |
|-----------------------|---------------|
| Product Group         | 22 (TOPJOB S) |
| PU (SPU)              | 100 (25) pcs  |
| Packaging type        | Box           |
| Country of origin     | DE            |
| GTIN                  | 4044918614061 |
| Customs tariff number | 39269097900   |

## Product Classification

|             |                      |
|-------------|----------------------|
| UNSPSC      | 39121421             |
| eCl@ss 10.0 | 27-14-11-92          |
| eCl@ss 9.0  | 27-14-11-92          |
| ETIM 9.0    | EC002848             |
| ETIM 10.0   | EC002848             |
| ECCN        | NO US CLASSIFICATION |

## Environmental Product Compliance

|                        |                         |
|------------------------|-------------------------|
| RoHS Compliance Status | Compliant, No Exemption |
|------------------------|-------------------------|

## Approvals / Certificates

### General approvals



| Approval                          | Standard      | Certificate Name |
|-----------------------------------|---------------|------------------|
| CCA<br>DEKRA Certification B.V.   | EN 61984      | NTR NL-6747      |
| CCA<br>DEKRA Certification B.V.   | EN 61984      | 2135411.01       |
| CSA<br>DEKRA Certification B.V.   | C22.2 No. 158 | 1645435          |
| DEKRA<br>DEKRA Certification B.V. | EN 61984      | 71-145819        |

### Declarations of conformity and manufacturer's declarations



| Approval                      | Standard | Certificate Name |
|-------------------------------|----------|------------------|
| Railway<br>WAGO GmbH & Co. KG | -        | Railway Ready    |

### Approvals for marine applications



| Approval  | Standard | Certificate Name  |
|---|----------|-------------------|
| ABS<br>American Bureau of Ship-<br>ping               | -        | 24-0152298-PDA    |
| DNV GL<br>Det Norske Veritas, Ger-<br>manischer Lloyd | -        | TAE00001V2        |
| PRS<br>Polski Rejestr Statków                         | -        | TE/1094/880590/23 |

## Downloads

### Environmental Product Compliance



#### Compliance Search

Environmental Product  
Compliance 2004-549



## Documentation

### Bid Text

|          |            |                  |   |
|----------|------------|------------------|---|
| 2004-549 | 19.02.2019 | xml<br>2.66 KB   |  |
| 2004-549 | 07.08.2018 | docx<br>14.36 KB |  |

CAD/CAE-Data

**CAD data**  
 2D/3D Models  
 2004-549




































**CAE data**  
 WSCAD Universe  
 2004-549

1 Compatible Products

1.1 Optional Accessories

1.1.1 Marking

1.1.1.1 Marker

|   |  |  |  |
|---|--|--|--|
| <p><b>Item No.: 2009-145/000-006</b><br/>                     Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue</p>                   | <p><b>Item No.: 2009-145/000-007</b><br/>                     Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray</p>              | <p><b>Item No.: 2009-145/000-023</b><br/>                     Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green</p>          | <p><b>Item No.: 2009-145/000-012</b><br/>                     Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange</p>            |
| <p><b>Item No.: 2009-145/000-005</b><br/>                     Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red</p>                    | <p><b>Item No.: 2009-145/000-024</b><br/>                     Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet</p>            | <p><b>Item No.: 2009-145</b><br/>                     Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white</p>                  | <p><b>Item No.: 2009-145/000-002</b><br/>                     Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow</p>            |
| <p><b>Item No.: 793-5501/000-006</b><br/>                     WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; blue</p>          | <p><b>Item No.: 793-5501/000-014</b><br/>                     WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; brown</p>    | <p><b>Item No.: 793-5501/000-007</b><br/>                     WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; gray</p>  | <p><b>Item No.: 793-5501/000-023</b><br/>                     WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; green</p>    |
| <p><b>Item No.: 793-5501/000-017</b><br/>                     WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; light green</p>  | <p><b>Item No.: 793-5501/000-012</b><br/>                     WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; orange</p>  | <p><b>Item No.: 793-5501/000-005</b><br/>                     WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; red</p>  | <p><b>Item No.: 793-5501/000-024</b><br/>                     WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; violet</p>  |
| <p><b>Item No.: 793-5501</b><br/>                     WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; white</p>                | <p><b>Item No.: 793-5501/000-002</b><br/>                     WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; yellow</p>  | <p><b>Item No.: 793-501/000-006</b><br/>                     WMB marking card; as card; not stretchable; plain; snap-on type; blue</p>   | <p><b>Item No.: 793-501/000-007</b><br/>                     WMB marking card; as card; not stretchable; plain; snap-on type; gray</p>    |
| <p><b>Item No.: 793-501/000-023</b><br/>                     WMB marking card; as card; not stretchable; plain; snap-on type; green</p>    | <p><b>Item No.: 793-501/000-017</b><br/>                     WMB marking card; as card; not stretchable; plain; snap-on type; light green</p>   | <p><b>Item No.: 793-501/000-012</b><br/>                     WMB marking card; as card; not stretchable; plain; snap-on type; orange</p>   | <p><b>Item No.: 793-501/000-005</b><br/>                     WMB marking card; as card; not stretchable; plain; snap-on type; red</p>   |
| <p><b>Item No.: 793-501/000-024</b><br/>                     WMB marking card; as card; not stretchable; plain; snap-on type; violet</p>   | <p><b>Item No.: 793-501</b><br/>                     WMB marking card; as card; not stretchable; plain; snap-on type; white</p>   | <p><b>Item No.: 793-501/000-002</b><br/>                     WMB marking card; as card; not stretchable; plain; snap-on type; yellow</p>   | <p><b>Item No.: 2009-115/000-006</b><br/>                     WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue</p>                 |
| <p><b>Item No.: 2009-115/000-007</b><br/>                     WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray</p>                      | <p><b>Item No.: 2009-115/000-023</b><br/>                     WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green</p>                | <p><b>Item No.: 2009-115/000-017</b><br/>                     WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; light green</p>       | <p><b>Item No.: 2009-115/000-012</b><br/>                     WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange</p>               |
| <p><b>Item No.: 2009-115/000-024</b><br/>                     WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet</p>                    | <p><b>Item No.: 2009-115</b><br/>                     WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white</p>                        | <p><b>Item No.: 2009-115/000-002</b><br/>                     WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow</p>            |  |

### 1.1.1.2 Marking strip

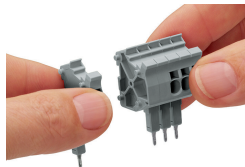


**Item No.:** [2009-110](#)

Marking strips; for Smart Printer; on reel;  
not stretchable; plain; snap-on type; white

## Installation Notes

### Installation



Snapping connectors and spacers together to assemble a multipole connector.