

Data Sheet | Item Number: 2009-191

Group marker carrier; gray

<https://www.wago.com/2009-191>



Color: ■ gray

| Technical data |                                                           |
|----------------|-----------------------------------------------------------|
| Suitable       | snaps into jumper slot; for WMB markers or marking strips |

| Physical data |                     |
|---------------|---------------------|
| Width         | 5 mm / 0.197 inches |

| Material data |          |
|---------------|----------|
| Color         | gray     |
| Weight        | 0.4 g    |
| Fire load     | 0.011 MJ |

| Environmental requirements                                                      |                                                    |                                                                       |                                                     |
|---------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------|
| Environmental Testing                                                           |                                                    | Environmental Testing                                                 |                                                     |
| Test specification:                                                             | DIN EN 50155 (VDE 0115-200):2022-06                | Test duration per axis                                                | 5 h                                                 |
| Railway applications – Rolling stock – Electronic equipment                     |                                                    | Test directions                                                       | X, Y and Z axes                                     |
| Test procedure:                                                                 | DIN EN 61373 (VDE 0115-0106):2011-04               | Extended testing: Monitoring of contact faults and interruptions      | Passed                                              |
| Railway applications – Rolling stock equipment – Vibration and shock tests      |                                                    | Extended testing: Voltage drop measurement before and after each axis | Passed                                              |
| Spectrum/Mounting location                                                      | Service life test, Category 1, Class A/B           | Shock test                                                            | Test passed according to Section 10 of the standard |
| Functional test with noise-like oscillations                                    | Test passed according to Section 8 of the standard | Shock pulse form                                                      | Half sine                                           |
| Frequency                                                                       | f <sub>1</sub> = 5 Hz to f <sub>2</sub> = 150 Hz   | Acceleration                                                          | 5g (highest test level used for all axes)           |
| Acceleration                                                                    | 0.101g (highest test level used for all axes)      | Shock duration                                                        | 30 ms                                               |
| Test duration per axis                                                          | 10 min.                                            | Number of shocks (per axis)                                           | 3 pos. und 3 neg.                                   |
| Test directions                                                                 | X, Y and Z axes                                    | Test directions                                                       | X, Y and Z axes                                     |
| Monitoring of contact faults and interruptions                                  | Passed                                             | Extended testing: Monitoring of contact faults and interruptions      | Passed                                              |
| Voltage drop measurement before and after each axis                             | Passed                                             | Extended testing: 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 | Vibration and shock stress for rolling stock equipment                | Passed                                              |
| Frequency                                                                       | f <sub>1</sub> = 5 Hz to f <sub>2</sub> = 150 Hz   |                                                                       |                                                     |
| Acceleration                                                                    | 0.572g (highest test level used for all axes)      |                                                                       |                                                     |



| Commercial data       |                                |  |
|-----------------------|--------------------------------|--|
| Product Group         | 2 (Terminal Block Accessories) |  |
| PU (SPU)              | 50 (25) pcs                    |  |
| Packaging type        | Box                            |  |
| Country of origin     | DE                             |  |
| GTIN                  | 4044918935968                  |  |
| Customs tariff number | 39269097900                    |  |

| Product Classification |                      |  |
|------------------------|----------------------|--|
| UNSPSC                 | 39121721             |  |
| eCl@ss 10.0            | 27-14-40-75          |  |
| eCl@ss 9.0             | 27-14-40-75          |  |
| ETIM 9.0               | EC002248             |  |
| ETIM 10.0              | EC002248             |  |
| ECCN                   | NO US CLASSIFICATION |  |

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

Approvals / Certificates

Declarations of conformity and manufacturer's declarations



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

Downloads

Environmental Product Compliance

| Compliance Search                            |
|----------------------------------------------|
| Environmental Product<br>Compliance 2009-191 |



CAD/CAE-Data

| CAD data              |
|-----------------------|
| 2D/3D Models 2009-191 |



| CAE data                   |
|----------------------------|
| WSCAD Universe<br>2009-191 |
| ZUKEN Portal 2009-191      |





1 Compatible Products

1.1 Optional Accessories

1.1.1 Marking

1.1.1.1 Marker



**Item No.: 793-5501/000-006**  
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; blue



**Item No.: 793-5501/000-007**  
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; gray



**Item No.: 793-5501/000-023**  
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; green



**Item No.: 793-5501/000-017**  
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; light green



**Item No.: 793-5501/000-012**  
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; orange



**Item No.: 793-5501/000-005**  
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; red



**Item No.: 793-5501/000-024**  
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; violet



**Item No.: 793-5501**  
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; white



**Item No.: 793-5501/000-002**  
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; yellow



**Item No.: 2009-115/000-006**  
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue



**Item No.: 2009-115/000-007**  
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray



**Item No.: 2009-115/000-023**  
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green



**Item No.: 2009-115/000-017**  
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; light green



**Item No.: 2009-115/000-012**  
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange



**Item No.: 2009-115/000-024**  
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet



**Item No.: 2009-115**  
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white



**Item No.: 2009-115/000-002**  
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow

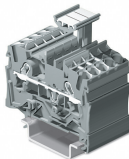
1.1.1.2 Marking strip



**Item No.: 2009-110**  
Marking strips; for Smart Printer; 50 m on roll; not stretchable; plain; snap-on type; white

Installation Notes

Application



TOPJOB® S 2009-193 Group Marker Carrier (equipped with WMB Multi markers) for all 2001 to 2016 Series TOPJOB® S Rail-Mount Terminal Blocks  
Do not use on an end plate!

Subject to changes. Please also observe the further product documentation!

Current addresses can be found at: [www.wago.com](http://www.wago.com)