

Data Sheet | Item Number: 2009-193

Group marker carrier; gray

<https://www.wago.com/2009-193>



Color: ■ gray

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

Physical data	
Width	15 mm / 0.591 inches

Material data	
Color	gray
Weight	0.6 g
Fire load	0.017 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 ₁ = 5 Hz to f ₂ = 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 ₁ = 5 Hz to f ₂ = 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	4044918935982	
Customs tariff number	39269097900	

Product Classification		
UNSPSC	39121704	
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 WAGO GmbH & Co. KG	-	Railway Ready

Downloads

Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 2009-193	

CAD/CAE-Data

CAD data	
2D/3D Models 2009-193	

CAE data	
WSCAD Universe 2009-193	
ZUKEN Portal 2009-193	



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; blue



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

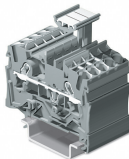
1.1.1.2 Marking strip



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!