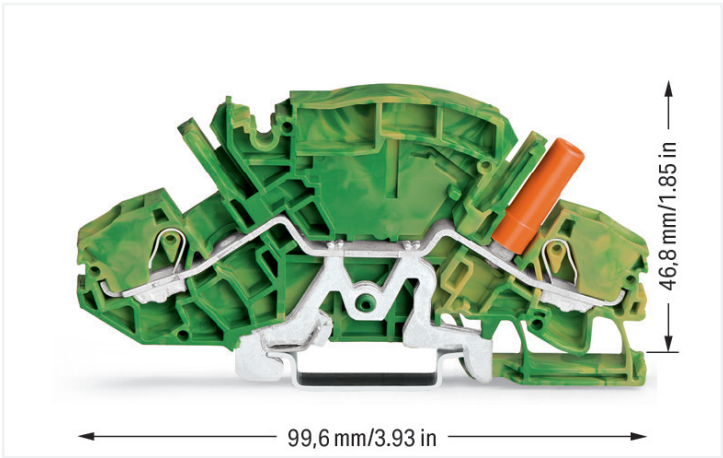


Data Sheet | Item Number: 2007-8807

2-conductor ground terminal block; 6 mm²; with touch-proof test socket; for 4 mm Ø test plugs; side and center marking; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 6,00 mm²; green-yellow

<https://www.wago.com/2007-8807>



Color: ■ green-yellow



Ground terminal block, 2007 Series, operating tool

Easily, quickly and safely connect conductors with this ground terminal block (item number 2007-8807). Ensure that the strip lengths are between 13 mm and 15 mm when connecting conductors to this ground terminal block. Featuring conductor terminals along with Push-in CAGE CLAMP®, this connector outperforms the competition. Push-in CAGE CLAMP® connection technology is ideal for connecting all conductor types. Solid and fine-stranded conductors with ferrules can be pushed in without needing to use any tools—all thanks to its pluggable design. This ground terminal block is suitable for conductor cross sections ranging from 0.5 mm² to 10 mm². It has one level. You can connect a single potential using the two clamping points. The green-yellow housing is made of polyamide (PA66) for insulation. These function terminal blocks are mounted using DIN-35 rails..

Connection data	
Clamping units	2
Total number of potentials	1
Number of levels	1
Number of jumper slots	2

Connection 1	
Connection technology	Push-in CAGE CLAMP®
Actuation type	Operating tool
Connectable conductor materials	Copper
Nominal cross-section	6 mm² / 10 AWG
Solid conductor	0.5 ... 10 mm² / 20 ... 8 AWG
Solid conductor; push-in termination	1 ... 10 mm² / 14 ... 8 AWG
Fine-stranded conductor	0.5 ... 10 mm² / 20 ... 8 AWG
Fine-stranded conductor; with insulated ferrule	0.5 ... 6 mm² / 20 ... 10 AWG
Fine-stranded conductor; with uninsulated ferrule	1.5 ... 6 mm² / 16 ... 10 AWG
Fine-stranded conductor; with ferrule; push-in termination	2.5 ... 6 mm² / 16 ... 10 AWG
Strip length	13 ... 15 mm / 0.51 ... 0.59 inches
Wiring direction	Front-entry wiring



Physical data		
Width		8 mm / 0.315 inches
Height		99.6 mm / 3.921 inches
Depth from upper-edge of DIN-rail		46.8 mm / 1.843 inches

Mechanical data		
Mounting type		DIN-35 rail
Marking level		Center/side marking

Material data		
Note (material data)		Information on material specifications can be found here
Color		green-yellow
Material group		I
Insulation material (main housing)		Polyamide (PA66)
Flammability class per UL94		V0
Fire load		0.359 MJ
Weight		29.8 g
Test socket color		orange

Environmental requirements																																						
Processing temperature	-35 ... +85 °C	<table><tr><th colspan="2">Environmental Testing (Environmental Conditions)</th></tr><tr><td>Test specification Railway applications – Rolling stock – Electronic equipment</td><td>DIN EN 50155 (VDE 0115-200):2022-06</td></tr><tr><td>Test procedure Railway applications – Rolling stock equipment – Shock and vibration tests</td><td>DIN EN 61373 (VDE 0115-0106):2011-04</td></tr><tr><td>Spectrum/Installation location</td><td>Service life test, Category 1, Class A/B</td></tr><tr><td>Function test with noise-like vibration</td><td>Test passed according to Section 8 of the standard</td></tr><tr><td>Frequency</td><td>f₁ = 5 Hz to f₂ = 150 Hz f₁ = 5 Hz to f₂ = 150 Hz</td></tr><tr><td>Acceleration</td><td>0.101g (highest test level used for all axes) 0.572g (highest test level used for all axes) 5g (highest test level used for all axes)</td></tr><tr><td>Test duration per axis</td><td>10 min. 5 h</td></tr><tr><td>Test directions</td><td>X, Y and Z axes X, Y and Z axes X, Y and Z axes</td></tr><tr><td>Monitoring for contact faults/interruptions</td><td>Passed</td></tr><tr><td>Voltage drop measurement before and after each axis</td><td>Passed</td></tr><tr><td>Simulated service life test through increased levels of noise-like vibration</td><td>Test passed according to Section 9 of the standard</td></tr><tr><td>Extended test scope: Monitoring for contact faults/interruptions</td><td>Passed Passed</td></tr><tr><td>Extended test scope: Voltage drop measurement before and after each axis</td><td>Passed Passed</td></tr><tr><td>Shock test</td><td>Test passed according to Section 10 of the standard</td></tr><tr><td>Shock form</td><td>Half sine</td></tr><tr><td>Shock duration</td><td>30 ms</td></tr><tr><td>Number of shocks per axis</td><td>3 pos. und 3 neg.</td></tr></table>	Environmental Testing (Environmental Conditions)		Test specification Railway applications – Rolling stock – Electronic equipment	DIN EN 50155 (VDE 0115-200):2022-06	Test procedure Railway applications – Rolling stock equipment – Shock and vibration tests	DIN EN 61373 (VDE 0115-0106):2011-04	Spectrum/Installation location	Service life test, Category 1, Class A/B	Function test with noise-like vibration	Test passed according to Section 8 of the standard	Frequency	f ₁ = 5 Hz to f ₂ = 150 Hz f ₁ = 5 Hz to f ₂ = 150 Hz	Acceleration	0.101g (highest test level used for all axes) 0.572g (highest test level used for all axes) 5g (highest test level used for all axes)	Test duration per axis	10 min. 5 h	Test directions	X, Y and Z axes X, Y and Z axes X, Y and Z axes	Monitoring for contact faults/interruptions	Passed	Voltage drop measurement before and after each axis	Passed	Simulated service life test through increased levels of noise-like vibration	Test passed according to Section 9 of the standard	Extended test scope: Monitoring for contact faults/interruptions	Passed Passed	Extended test scope: Voltage drop measurement before and after each axis	Passed Passed	Shock test	Test passed according to Section 10 of the standard	Shock form	Half sine	Shock duration	30 ms	Number of shocks per axis	3 pos. und 3 neg.
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Shock duration	30 ms																																					
Number of shocks per axis	3 pos. und 3 neg.																																					
Continuous operating temperature	-60 ... +105 °C																																					



Environmental Testing (Environmental Conditions)

Vibration and shock stress for rolling stock equipment

Passed

Commercial data

Product Group	22 (TOPJOB S)
PU (SPU)	20 pcs
Packaging type	Box
Country of origin	CN
GTIN	4055143074773
Customs tariff number	85369010000

Product classification

UNSPSC	39121410
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Environmental Product Compliance

CAS-No.	7439-92-1
REACH Candidate List Substance	Lead
RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	6(c)
SCIP notification number (Austria)	03d68a7a-d7ef-4f83-94d6-4d1418a1453d
SCIP notification number (Belgium)	6498ce9a-796f-47ad-8e6c-9438503d73d0
SCIP notification number (Bulgaria)	035ee86e-5d02-4d7e-9552-a40048c743c8
SCIP notification number (Czech Republic)	55e428d3-73ca-4e19-91eb-74a788ee92a4
SCIP notification number (Denmark)	c1ea4c29-e7cd-4fc1-a86b-eb51e77a5b4
SCIP notification number (Finland)	a7e1278e-988c-40f9-bd7f-0c1d8c25f14d
SCIP notification number (France)	86321ce1-49fa-4162-92e3-c16a12ac4655
SCIP notification number (Germany)	5f3ccb16-e664-4434-87fc-184a307d6770
SCIP notification number (Hungary)	3d90613d-2627-4c31-8a62-3caabc4471bb
SCIP notification number (Italy)	3a91f187-4f5c-48f8-8694-cfbc9bc59fe2
SCIP notification number (Netherlands)	f03fd20f-37ec-4965-ac7e-d929719b057e
SCIP notification number (Poland)	fdb9fc88-cd8f-4177-82aa-77eec7c1d521
SCIP notification number (Romania)	1f5e193f-a255-4cd7-a992-efc1b879d049
SCIP notification number (Sweden)	e5be42f6-ecd3-4cbf-a4e8-5a509ca3a74a

Approvals / Certificates

General approvals	Declarations of conformity and manufacturer's declarations
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Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 60947	71-122099
CCA DEKRA Certification B.V.	EN 60947	NTR NL-7911
CSA DEKRA Certification B.V.	C22.2 No. 158	70009679
UL UL International Germany GmbH	UL 1059	E45172



Approval	Standard	Certificate Name
EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
Railway WAGO GmbH & Co. KG	-	Railway Ready
UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-



Approvals for marine applications



Approval	Standard	Certificate Name
DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001V2

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 2007-8807



Documentation

Additional Information
Technical Section

pdf
2246.92 KB



Bid Text			
2007-8807	17.04.2019	xml 3.84 KB	↓
2007-8807	17.04.2019	docx 15.21 KB	↓



CAD/CAE-Data

CAD data
2D/3D Models 2007-8807



CAE data	
EPLAN Data Portal 2007-8807	↓
WSCAD Universe 2007-8807	↓
ZUKEN Portal 2007-8807	↓



1 Compatible Products

1.1 Required Accessories

1.1.1 End plate

1.1.1.1 End plate



Item No.: 2007-8893
End plate; 1.5 mm thick; with lock-out seal option; gray

Item No.: 2007-8894
End plate; 1.5 mm thick; with lock-out seal option; orange

Item No.: 2007-8891
End plate; 1.5 mm thick; without lock-out seal option; gray

Item No.: 2007-8892
End plate; 1.5 mm thick; without lock-out seal option; orange



1.2 Optional Accessories			
1.2.1 DIN-rail			
1.2.1.1 Mounting accessories			
			
Item No.: 210-196 Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored	Item No.: 210-198 Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored	Item No.: 210-197 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715; silver-colored	Item No.: 210-114 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored
			
Item No.: 210-118 Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored	Item No.: 210-115 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 18 mm; silver-colored	Item No.: 210-112 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm; silver-colored	Item No.: 210-113 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored
1.2.2 Installation			
1.2.2.1 Cover			
			
Item No.: 709-156 Cover; Type 3; suitable for cover carrier, type 3; 1 m long; transparent			
1.2.2.2 Cover carrier			
			
Item No.: 709-169 Cover carrier; Type 3; incl. fixing/retaining screws and knurled nut; suitable for 279 to 282 and 880 Series rail-mounted terminal blocks; suitable for 264 Series miniature rail-mounted terminal blocks; suitable for 270 Series sensor and actuator terminal blocks; gray			
1.2.3 Jumper			
1.2.3.1 Jumper			
			
Item No.: 282-440 Jumper; 10-way; insulated; orange	Item No.: 282-432 Jumper; 2-way; insulated; orange	Item No.: 282-432/100-000 Jumper; 2-way; insulated; orange	Item No.: 282-433 Jumper; 3-way; insulated; orange
			
Item No.: 282-433/100-000 Jumper; 3-way; insulated; orange	Item No.: 282-434 Jumper; 4-way; insulated; orange	Item No.: 282-434/100-000 Jumper; 4-way; insulated; orange	Item No.: 282-435 Jumper; 5-way; insulated; orange
			
Item No.: 282-436 Jumper; 6-way; insulated; orange	Item No.: 282-437 Jumper; 7-way; insulated; orange	Item No.: 282-438 Jumper; 8-way; insulated; orange	Item No.: 282-439 Jumper; 9-way; insulated; orange
			
Item No.: 282-435/011-000 Jumper; insulated; orange	Item No.: 282-435/300-000 Jumper; insulated; orange	Item No.: 282-435/301-000 Jumper; insulated; orange	Item No.: 282-436/301-000 Jumper; insulated; orange



1.2.3.1 Jumper



Item No.: [282-436/304-000](#)
Jumper; insulated; orange



Item No.: [282-437/011-000](#)
Jumper; insulated; orange



Item No.: [282-437/012-000](#)
Jumper; insulated; orange



Item No.: [282-438/300-000](#)
Jumper; insulated; orange



Item No.: [282-438/301-000](#)
Jumper; insulated; orange



Item No.: [282-439/011-000](#)
Jumper; insulated; orange

1.2.4 Marking

1.2.4.1 Marker



Item No.: [793-501/000-006](#)
WMB marking card; as card; not stretchable; plain; snap-on type; blue



Item No.: [793-501/000-007](#)
WMB marking card; as card; not stretchable; plain; snap-on type; gray



Item No.: [793-501/000-023](#)
WMB marking card; as card; not stretchable; plain; snap-on type; green



Item No.: [793-501/000-017](#)
WMB marking card; as card; not stretchable; plain; snap-on type; light green



Item No.: [793-501/000-012](#)
WMB marking card; as card; not stretchable; plain; snap-on type; orange



Item No.: [793-501/000-005](#)
WMB marking card; as card; not stretchable; plain; snap-on type; red



Item No.: [793-501/000-024](#)
WMB marking card; as card; not stretchable; plain; snap-on type; violet



Item No.: [793-501](#)
WMB marking card; as card; not stretchable; plain; snap-on type; white



Item No.: [793-501/000-002](#)
WMB marking card; as card; not stretchable; 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

1.2.4.2 Marker carrier



Item No.: [2009-198](#)
Adaptor; gray

1.2.4.3 Marking strip



Item No.: [2009-110](#)
Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white



1.2.5 Protective warning marker

1.2.5.1 Cover



Item No.: 2006-115
Protective warning marker; for 5 terminal blocks; with high-voltage symbol, black; yellow

1.2.6 Screwless end stop

1.2.6.1 Mounting accessories



Item No.: 249-117
Screwless end stop; 10 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray



Item No.: 249-116
Screwless end stop; 6 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray

1.2.7 Tool

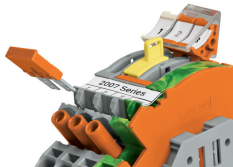
1.2.7.1 Operating tool



Item No.: 210-721
Operating tool; Blade: 5.5 x 0.8 mm; with a partially insulated shaft; multicoloured

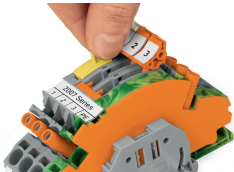
Installation Notes

Commoning



Additional commoning option on the transformer side

Security



Lock-out prevents accidental operation of disconnect link.



Lock-out snaps into one of two notched positions.

Locking system



Using locking covers or profiles for adjacent terminal blocks allows disconnect links to be operated simultaneously.

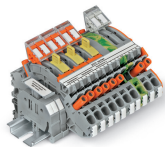


A lock-out seal can be used on the disconnect link in operating position I when combined with an end and separator plate (Item No. 2007-8893 or Item No. 2007-8894).



Interlocking link mechanically locks multiple links for multi-pole switching applications.

Marking



Marking via WMB Multi markers or marking strips.