



Color: ☐ multi-colored

Current transformer terminal block, 2007 Series, operating tool

Our current transformer terminal block (item number 2007-8877) ensures effortless electrical installations. Strip lengths must be between 13 and 15 mm when connecting conductors to this current transformer terminal block. This product features conductor terminals and utilizes Push-in CAGE CLAMP®. Push-in CAGE CLAMP® technology provides a universal connection solution for any type of conductor. It allows both solid and fine-stranded conductors with ferrules to be inserted directly into the clamping point without the need for tools. This current transformer terminal block is suitable for conductor cross sections ranging from 0.5 mm² to 10 mm².

Electrical data			
Ratings per IEC/EN		General information	
Nominal voltage (III/3)	500 V	Wiring direction	Front-entry wiring
Rated impulse withstand voltage (III / 3)	6 kV		
Legend (ratings)	(III / 3) △ Overvoltage category III / Pollution degree 3		

Connection Data			
Number of levels	1	Connection 1	
		Connection technology	Push-in CAGE CLAMP®
		Actuation type	Operating tool
		Connectable conductor materials	Copper
		Nominal cross-section	6 mm ² / 10 AWG
		Solid conductor	0.5 ... 10 mm ² / 20 ... 8 AWG
		Solid conductor; push-in termination	1 ... 10 mm ² / 14 ... 8 AWG
		Fine-stranded conductor	0.5 ... 10 mm ² / 20 ... 8 AWG
		Fine-stranded conductor; with insulated ferrule	0.5 ... 6 mm ² / 20 ... 10 AWG
		Fine-stranded conductor; with uninsulated ferrule	1.5 ... 6 mm ² / 16 ... 10 AWG
		Fine-stranded conductor; with ferrule; push-in termination	2.5 ... 6 mm ² / 16 ... 10 AWG
		Strip length	13 ... 15 mm / 0.51 ... 0.59 inches
		Wiring direction	Front-entry wiring

Physical data

Width	85.5 mm / 3.366 inches
Height	99.6 mm / 3.921 inches
Depth from upper-edge of DIN-rail	65.3 mm / 2.571 inches
Module width	8 mm / 0.315 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	multi-colored
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	4.124 MJ
Weight	248.9 g
Test socket color	orange

Environmental requirements

Processing temperature	-35 ... +85 °C
Continuous operating temperature	-60 ... +105 °C

Environmental Testing

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



Environmental Testing	
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	
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	DE
GTIN	4055143240673
Customs tariff number	85369010000

Product Classification	
UNSPSC	39121410
eCl@ss 10.0	27-14-11-47
eCl@ss 9.0	27-14-11-47
ETIM 9.0	EC000276
ETIM 10.0	EC000276
ECCN	NO US CLASSIFICATION

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)	99de7278-19dc-4ed9-a698-f110ec8232e4
SCIP notification number (Belgium)	fd633b4b-67a5-4775-b71b-acf940f0d948
SCIP notification number (Bulgaria)	7c216727-d1d4-4645-9815-24fb4147d9cc
SCIP notification number (Czech Republic)	b07a6628-9357-4d52-b4ce-56af8cc35208
SCIP notification number (Denmark)	eae2ad3e-d989-4fdd-b847-71f9d79261a1
SCIP notification number (Finland)	6fa044d4-f699-4d5d-a982-88fa55734835
SCIP notification number (France)	7f687f6f-4ff2-4b6c-8634-a755838686e8
SCIP notification number (Germany)	c4756e0b-1539-4c7c-a551-db2f93a39f44
SCIP notification number (Hungary)	45fde486-5020-435b-8cab-0c0daffc45e1
SCIP notification number (Italy)	27d0abfc-da60-466c-8d3e-bc3b08f266f9
SCIP notification number (Netherlands)	705851ff-e5cd-4b67-8dfa-fb2e1b4d97fb
SCIP notification number (Poland)	75c10da8-2db0-479d-ac47-d45422a58aa5
SCIP notification number (Romania)	47726db3-134c-48c2-9103-62167e5cf996
SCIP notification number (Sweden)	fe3e7e14-5def-45d0-ae8-86ef3a15be18



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 2007-8877



Documentation

Bid Text			
2007-8877	21.07.2015	doc 24.50 KB	
2007-8877	19.02.2019	xml 3.43 KB	

CAD/CAE-Data

CAD data
2D/3D Models 2007-8877



CAE data
EPLAN Data Portal 2007-8877
WSCAD Universe 2007-8877



1 Compatible Products

1.1 Optional Accessories

1.1.1 DIN-rail

1.1.1.1 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



1.1.2 Installation

1.1.2.1 Cover



Item No.: 709-156
Cover; Type 3; suitable for cover carrier, type 3; 1 m long; transparent

1.1.2.2 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

1.1.3 Marking

1.1.3.1 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



1.1.3.2 Marking strip



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

1.1.4 Screwless end stop

1.1.4.1 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

1.1.5 Tool

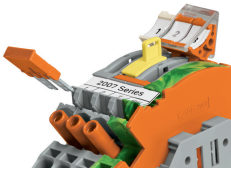
1.1.5.1 Operating tool



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

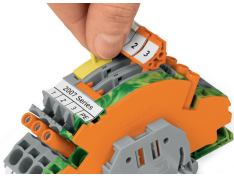
Installation Notes

Commoning

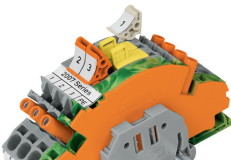


Additional commoning option on the
transformer side

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.

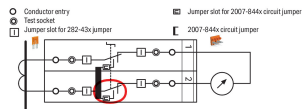
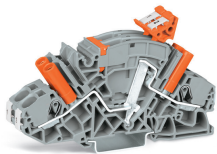


A lock-out seal can be used on the disconnect link in operating position I when combined with an end and separator plate (Item No. 2007-8893 or Item No. 2007-8894).



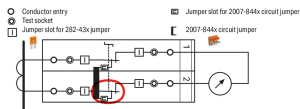
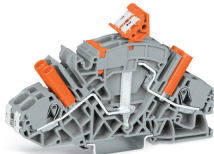
Interlocking link mechanically locks multiple links for multi-pole switching applications.

Measuring



Disconnect link in operating position I
Terminal blocks required:
2 x disconnect/test terminal block (Item No. 2007-8821)
1 x circuit jumper, orange (Item No. 2007-8442)
Locking covers or interlocking links (option)

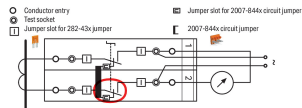
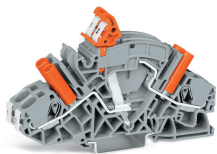
In the operating position, the measurement device is connected to the transformer, the circuit jumper is inserted and the disconnect link is in position I.



Disconnect link in shorting position II

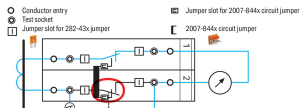
The transformer is not disconnected from the measuring device yet, the shorting path is activated by moving the disconnect link into shorting position II and the transformer is safely shorted.

Measuring



Test current measurement: Disconnect link in measuring position III

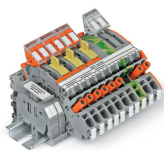
The measuring device is electrically disconnected from the transformer. If required, an external voltage can be applied to the measuring device via the test socket.



Measurement testing (using both test sockets)
Terminal block 1: Disconnect link in operating position I
Terminal block 2: Disconnect link in measuring position III

Measurement testing: First insert the reference current meter (A) into the test socket, then move the disconnect link into measurement point III (test current measurement).

Marking



Marking via WMB Multi markers or marking strips.