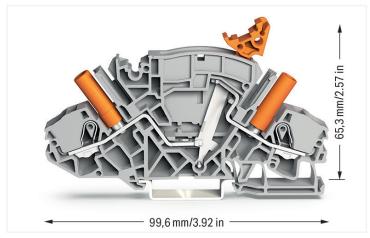
2-conductor disconnect/test terminal block; e.g., current transformer circuits; with receptacle for adjacent jumper with switch lever; for 4 mm Ø test plugs; for DIN-rail 35 x 15 and 35 x 7.5; 6 mm²; Push-in CAGE CLAMP®; 6,00 mm²; gray



https://www.wago.com/2007-8821





Color: ■ gray

Current transformer terminal block, 2007 Series, Push-in CAGE CLAMP®

Our current transformer terminal block (item number 2007-8821) simplifies electrical installations. Ensure that the strip lengths are between 13 mm and 15 mm when connecting conductors to this current transformer terminal block. This product features conductor terminals and utilizes Push-in CAGE CLAMP®. Our Push-in CAGE CLAMP® is a universal, maintenance-free connection solution for all conductor types, featuring a winning design: It allows direct insertion of both solid and fine-stranded conductors with ferrules without needing tools. No preparation is required; for example, crimping the conductor's ferrule is not necessary. Depending on the conductor type, this current transformer terminal block is designed for conductor cross sections ranging from 0.5 mm² to 10 mm². It has one level. Two potentials can connect using the two clamping points The gray housing is made of polyamide (PA66) for insulation. These function terminal blocks are mounted using DIN-35 rails..

Electrical data				
Ratings per	IEC	C/EN 60664	-1	
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	500 V	-	-	
Rated surge voltage	6 kV	-	-	
Rated current	30 A	-	-	

Approvals per		UL 1059	
Use group	В	С	D
Rated voltage	300 V	300 V	300 V
Rated current	30 A	30 A	10 A

Approvals per	CSA 22.2 No 158		
Use group	В	С	D
Rated voltage	300 V	300 V	300 V
Rated current	30 A	30 A	10 A

Power Loss	
Power loss, per pole (potential)	0.702 W
Rated current I_N for specified power loss	30 A
Resistance value for specified, current- dependent power loss	0.00078 Ω

Connection data		
Clamping units	2	
Total number of potentials	2	
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

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Connection 1

Fine-stranded conductor; with uninsula-

ted ferrule

1.5 ... 6 mm² / 16 ... 10 AWG

Fine-stranded conductor; with ferrule;

push-in termination

Mechanical data

Mounting type Marking level $2.5 \dots 6 \ mm^2 \ / \ 16 \dots 10 \ AWG$

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	65.3 mm / 2.571 inches

DIN-35 rail

Center/side marking

Material data	
Note (material data)	
	Information on material specifications can be found here
Color	gray
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	VO
Fire load	0.418 MJ
Weight	27.8 g
Test socket color	orange

Environmental requirements			
Processing temperature	-35 +85 °C	Environmental Testing (Environme	ental Conditions)
Continuous operating temperature -60 +105 °C	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	$f_1 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$ $f_1 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$	
	Acceleration	O.101g (highest test level used for all axes) O.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	

https://www.wago.com/2007-8821



Environmental Testing (Environmental Conditions)

Extended test scope: Monitoring for contact faults/interruptions Extended test scope: Voltage drop mea-

surement before and after each axis

Passed Passed Passed

Shock test

Test passed according to Section 10 of

the standard

Shock form Shock duration Half sine

30 ms

Number of shocks per axis

3 pos. und 3 neg.

Vibration and shock stress for rolling stock equipment

Passed

Commercial data	а
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Product Group 22 (TOPJOBS) PU (SPU) 20 pcs Packaging type Box Country of origin CN

Customs tariff number

4055143074889 85365080000

Product classification

UNSPSC

GTIN

39121410

Environmental Product Compliance

CAS-No. 7439-92-1 **REACH Candidate List Substance** Lead

RoHS Compliance Status Compliant, With Exemption

RoHS Exemption 6(c) 1e2c4f68-0c80-4f7f-b4d2-ef9b6ed3f735 SCIP notification number (Austria) SCIP notification number (Belgium) 1a46df3e-2ff6-4cf3-a263-340ef76fa1f1 SCIP notification number (Bulgaria) 72f5ce78-1f67-471a-94a3-5898375f14ad SCIP notification number (Czech Republic) ad5734e3-cdb1-429e-8734-a0ee4cd49658 SCIP notification number (Denmark) b401e4ad-1620-4947-b7de-3f25977d8bb1 SCIP notification number (Finland) 579c56ae-46b0-4b84-942e-7623c8338835 SCIP notification number (France) a4ec1bfd-c70f-4a69-b65f-bdebdedcbd5b SCIP notification number (Germany) c074da76-1734-4521-a06a-664455df075b SCIP notification number (Hungary) 7c7aea40-b04a-49a6-9b36-bb658cda7ee1

97ddee9e-6f84-4304-abef-21c95eabb33d SCIP notification number (Italy) SCIP notification number (Netherlands) 3d7fc2ee-5b30-4782-8d24-56b6e1c59f55 SCIP notification number (Poland) 57bafb00-40d2-41d5-9b04-7c3ca60febb1

SCIP notification number (Romania) 201ddf09-009d-457f-aa41-ec1c2f19a211

SCIP notification number (Sweden) b67a192b-2617-4193-a205-27932d31da00 https://www.wago.com/2007-8821



Approvals / Certificates

General approvals







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

Declarations of conformity and manufacturer's declarations



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

Approvals for marine applications



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

Downloads

Environmental Product Compliance

Compliance Search **Environmental Product** Compliance 2007-8821

Documentation

Bid Text			
2007-8821	17.04.2019	xml 4.06 KB	$\underline{\downarrow}$
2007-8821	17.04.2019	docx 15.64 KB	$\overline{\downarrow}$

CAD/CAE-Data CAD data CAE data 2D/3D Models **EPLAN Data Portal** 2007-8821 2007-8821 WSCAD Universe 2007-8821 **ZUKEN Portal** 2007-8821

https://www.wago.com/2007-8821



1 Compatible Products

1.1 Required Accessories

1.1.1 End plate

1.1.1.1 End plate



<u>Item No.: 2007-8893</u> <u>Item No.: 2007-8894</u>

End plate; 1.5 mm thick; with lock-out seal option; gray



End plate; 1.5 mm thick; with lock-out seal option; orange

320.00

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

1.1.2 Jumper

1.1.2.1 Jumper

Item No.: 2007-8442

way; insulated; orange





Item No.: 2007-8444

Adjacent jumper for switching lever; 4-way; insulated; orange



Adjacent jumper for switching lever; 5way; insulated; orange



Adjacent jumper for switching lever; 2-

Item No.: 2007-8446

Adjacent jumper for switching lever; 6-way; insulated; orange

Item No.: 2007-8447

Item No.: 2007-8443

way; insulated; orange

Adjacent jumper for switching lever; 7way; insulated; orange

Adjacent jumper for switching lever; 3-

Item No.: 2007-8448

Adjacent jumper for switching lever; 8way; insulated; orange

1.2 Optional Accessories

1.2.1 DIN-rail

1.2.1.1 Mounting accessories



Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm

thick; 2 m long; unslotted; similar to EN

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

Item No.: 210-196

60715; silver-colored

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

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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.: 282-433/100-000 Jumper; 3-way; insulated; orange



Item No.: 282-436 Jumper; 6-way; insulated; orange



Item No.: 282-435/011-000 Jumper; insulated; orange



Item No.: 282-436/304-000

Jumper; insulated; orange



Item No.: 282-438/301-000 Jumper; insulated; orange



Jumper; 2-way; insulated; orange



Item No.: 282-434

Jumper; 4-way; insulated; orange



Item No.: 282-437 Jumper; 7-way; insulated; orange



Item No.: 282-435/300-000 Jumper; insulated; orange



Item No.: 282-437/011-000 Jumper; insulated; orange



Locking cover; mechanically locks multi-

Locking cover; mechanically locks multi-

Item No.: 282-439/011-000 Jumper; insulated; orange

Item No.: 282-881

Item No.: 282-885

ple links; 1-pole; transparent

ple links; 5-pole; transparent



Item No.: 282-432/100-000

Jumper; 2-way; insulated; orange



Item No.: 282-434/100-000

Jumper; 4-way; insulated; orange



Item No.: 282-438 Jumper; 8-way; insulated; orange



Item No.: 282-435/301-000

Jumper; insulated; orange



Jumper; insulated; orange



Item No.: 282-433

Jumper; 3-way; insulated; orange



Item No.: 282-435 Jumper; 5-way; insulated; orange

Item No.: 282-439 Jumper; 9-way; insulated; orange



Item No.: 282-436/301-000

Jumper; insulated; orange



Item No.: 282-438/300-000 Jumper; insulated; orange

1.2.4 Locking system

1.2.4.1 Locking system



Item No.: 210-254

Interlocking link; mechanically locks multiple links; 1 m long; transparent



Item No.: 282-884

Locking cover; mechanically locks multiple links; 4-pole; transparent



Item No.: 282-888

Locking cover; mechanically locks multiple links; 8-pole; transparent



Item No.: 282-882

Locking cover; mechanically locks multiple links; 2-pole; transparent



Item No.: 282-886

Locking cover; mechanically locks multiple links; 6-pole; transparent



Item No.: 282-883 Locking cover; mechanically locks multiple links; 3-pole; transparent



Item No.: 282-887

Locking cover; mechanically locks multiple links; 7-pole; transparent



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1.2.5 Lock-out

1.2.5.1 Locking system



Item No.: 2007-8899

Lock-out; for disconnect link; yellow

1.2.6 Marking

1.2.6.1 Marker



Item No.: 793-501/000-006

WMB marking card; as card; not stretchable; plain; snap-on type; blue



Item No.: 793-501/000-012

WMB marking card; as card; not stretchable; plain; snap-on type; orange



Item No.: 793-501/000-002

WMB marking card; as card; not stretchable; plain; snap-on type; yellow



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.: 2009-115/000-002

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snapon type; yellow



Item No.: 793-501/000-007

WMB marking card; as card; not stretchable; plain; snap-on type; gray



Item No.: 793-501/000-005

WMB marking card; as card; not stretchable; plain; snap-on type; red



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.: 2009-115/000-012

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange



Item No.: 793-501/000-023

WMB marking card; as card; not stretchable; plain; snap-on type; green



Item No.: 793-501/000-024

WMB marking card; as card; not stretchable; plain; snap-on type; violet



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.: 2009-115/000-024

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet



Item No.: 793-501/000-017

WMB marking card; as card; not stretchable; plain; snap-on type; light green



Item No.: 793-501

WMB marking card; as card; not stretchable; plain; snap-on type; white



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

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

1.2.6.2 Marker carrier



Item No.: 2009-198

Adaptor; gray

1.2.6.3 Marking strip

Item No.: 2009-110

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



1.2.7 Protective warning marker

1.2.7.1 Cover



Item No.: 2006-115

Protective warning marker; for 5 terminal blocks; with high-voltage symbol, black; vellow

1.2.8 Screwless end stop

1.2.8.1 Mounting accessories





Item No.: 249-117

Screwless end stop; 10 mm wide; for DINrail 35 x 15 and 35 x 7.5; gray

Item No.: 249-116

Screwless end stop; 6 mm wide; for DINrail 35 x 15 and 35 x 7.5; gray

1.2.9 Tool

1.2.9.1 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



Preparing shorting path for the current transformer circuits.



Insert insulated, touch-proof circuit jumpers into jumper slot.



Insert insulated, touch-proof circuit jumpers into jumper slot.



Lock-out prevents accidental operation of disconnect link.



Lock-out snaps into one of two notched positions.

W/AGO

Locking system



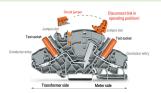
Using locking covers or profiles for adjacent terminal blocks allows disconnect links to be operated simultaneously.



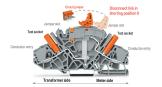
A lock-out seal can be used on the disconnect link in operating position I when combined with an end and separator plate (Item No. 2007-8893 or Item No. 2007-8894).



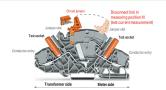
Interlocking link mechanically locks multiple links for multi-pole switching applications



Disconnect/Test Terminal Block (Item No. 2007-8821)



Disconnect/Test Terminal Block (Item No. 2007-8821)



Disconnect/Test Terminal Block (Item No. 2007-8821)

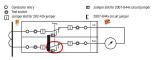


Disconnect link in operating position I

Terminal blocks required: 2 x disconnect/test terminal block (Item No. 2007-8821)

1 x circuit jumper, orange (Item No. 2007-8442)

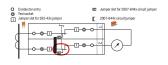
Locking covers or interlocking links (option)



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.



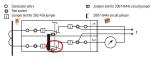
Disconnect link in shorting position II



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.



Test current measurement: Disconnect link in measuring position III



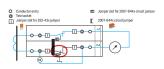
The measuring device is electrically disconnected from the transformer. If required, an external voltage can be applied to the measuring device via the test socket.



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).

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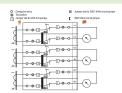




Measuring set for a three-phase current transformer

Terminal blocks required: 6 x disconnect/test terminal block (Item No. 2007-8821) 3 x circuit jumper, orange (Item No. 2007-8442)

In addition: interlocking link, locking cover, lock-out



Pairs of disconnect links are interconnected via locking cover or interlocking link. Measurement testing is performed after the interlocking is released.

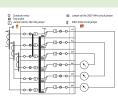


Measuring set for a three-phase current transformer with 'Y' point

Terminal blocks required: 6 x disconnect/test terminal block (Item No. 2007-8821) 1 x circuit jumper, orange (Item No.

2007-8446) 1 x jumper, orange (Item No. 282-433)

1 x jumper, orange (Item No. 282-433) In addition: interlocking link, locking cover, lock-out



All six disconnect links are interconnected via locking cover or interlocking link.

Marking



Marking via WMB Multi markers or marking

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

Page 10/10 Version 22.04.2025