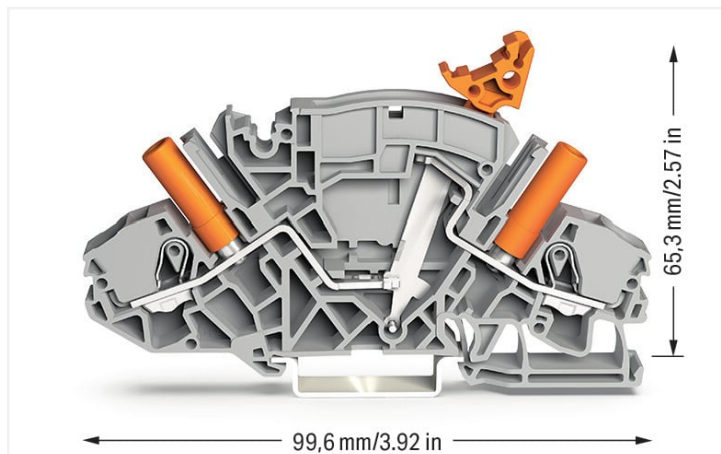


Data Sheet | Item Number: 2007-8821

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

Electrical data

Ratings per IEC/EN

Nominal voltage (III/3)	500 V
Rated impulse voltage (III/3)	6 kV
Rated current	30 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

Approvals per

UL 1059

Use group	B	C	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	B	C	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

Connection points	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 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	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

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	gray
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.418 MJ
Weight	27.8 g
Test socket color	orange

Environmental requirements

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

Commercial data

Product Group	22 (TOPJOB S)
eCl@ss 10.0	27-14-11-26
eCl@ss 9.0	27-14-11-26
ETIM 8.0	EC000902
ETIM 7.0	EC000902
PU (SPU)	20 pcs
Packaging type	Box
Country of origin	CN
GTIN	4055143074889
Customs tariff number	85365080900

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)	1e2c4f68-0c80-4f7f-b4d2-ef9b6ed3f735
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
SCIP notification number (Italy)	97ddee9e-6f84-4304-abef-21c95eabb33d
SCIP notification number (Netherlands)	3d7fc2ee-5b30-4782-8d24-56b6e1c59f55

Environmental Product Compliance

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

Approvals / Certificates

General approvals **Declarations of conformity and manufacturer's declarations**



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 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
DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001V2

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 2007-8821 ↓

Documentation

Additional Information
Technical Section pdf 2240.62 KB ↓

Bid Text			
2007-8821	17.04.2019	xml 4.06 KB	↓
2007-8821	17.04.2019	docx 15.64 KB	↓

CAD/CAE-Data

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

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
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1.1.2 Jumper

1.1.2.1 Jumper



Item No.: 2007-8442 Adjacent jumper for switching lever; 2-way; insulated; orange	Item No.: 2007-8443 Adjacent jumper for switching lever; 3-way; insulated; orange	Item No.: 2007-8444 Adjacent jumper for switching lever; 4-way; insulated; orange	Item No.: 2007-8445 Adjacent jumper for switching lever; 5-way; insulated; orange
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Item No.: 2007-8447 Adjacent jumper for switching lever; 7-way; insulated; orange	Item No.: 2007-8448 Adjacent jumper for switching lever; 8-way; insulated; orange	Item No.: 2007-8446 Short circuit jumper; 6-way; insulated; orange
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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
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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
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1.2.2 Ferrule

1.2.2.1 Ferrule



Item No.: 216-262

Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



Item No.: 216-263

Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red



Item No.: 216-264

Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black



Item No.: 216-266

Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue



Item No.: 216-267

Ferrule; Sleeve for 4 mm² / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



Item No.: 216-208

Ferrule; Sleeve for 6 mm² / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; yellow

1.2.3 Installation

1.2.3.1 Cover



Item No.: 709-156

Cover; Type 3; suitable for cover carrier, type 3; 1 m long; transparent

1.2.3.2 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

1.2.4 Jumper

1.2.4.1 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

1.2.4.1 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

1.2.5 Locking system

1.2.5.1 Locking system



[Item No.: 210-254](#)
Interlocking link; mechanically locks multiple links; 1 m long; transparent



[Item No.: 282-881](#)
Locking cover; mechanically locks multiple links; 1-pole; transparent



[Item No.: 282-882](#)
Locking cover; mechanically locks multiple links; 2-pole; transparent



[Item No.: 282-883](#)
Locking cover; mechanically locks multiple links; 3-pole; transparent



[Item No.: 282-884](#)
Locking cover; mechanically locks multiple links; 4-pole; transparent



[Item No.: 282-885](#)
Locking cover; mechanically locks multiple links; 5-pole; transparent



[Item No.: 282-886](#)
Locking cover; mechanically locks multiple links; 6-pole; transparent



[Item No.: 282-887](#)
Locking cover; mechanically locks multiple links; 7-pole; transparent



[Item No.: 282-888](#)
Locking cover; mechanically locks multiple links; 8-pole; transparent

1.2.6 Lock-out

1.2.6.1 Locking system



[Item No.: 2007-8899](#)
Lock-out; for disconnect link; yellow

1.2.7 Marking

1.2.7.1 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

1.2.7.1 Marker



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

1.2.7.2 Marker carrier



Item No.: 2009-198

Adaptor; gray

1.2.7.3 Marking strip



Item No.: 2009-110

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

1.2.8 Protective warning marker

1.2.8.1 Cover



Item No.: 2006-115

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

1.2.9 Screwless end stop

1.2.9.1 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

1.2.10 Tool

1.2.10.1 Operating tool

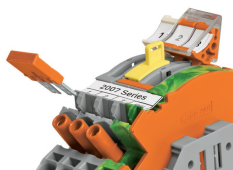


Item No.: 210-721

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



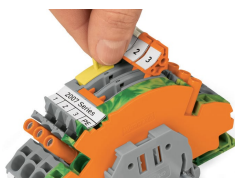
Preparing shorting path for the current transformer circuits.



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.

Locking system



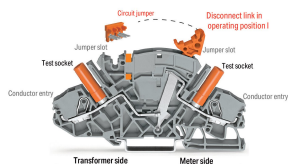
Using locking covers or profiles for adjacent terminal blocks allows disconnect links to be operated simultaneously.



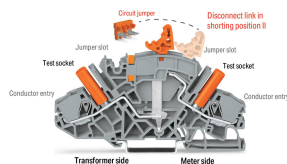
A lock-out seal can be used on the disconnect link in operating position I when combined with an end and separator plate (2007-8893 or 2007-8894).



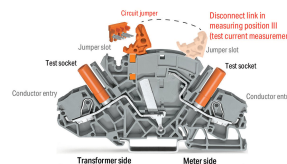
Interlocking link mechanically locks multiple links for multi-pole switching applications.



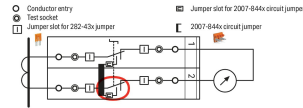
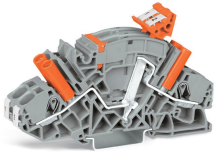
Disconnect/Test Terminal Block (2007-8821)



Disconnect/Test Terminal Block (2007-8821)



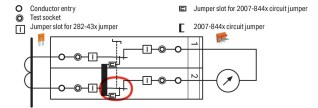
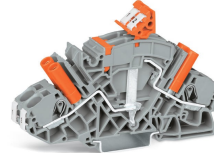
Disconnect/Test Terminal Block (2007-8821)



Disconnect link in operating position I

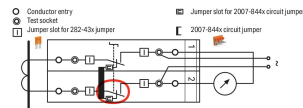
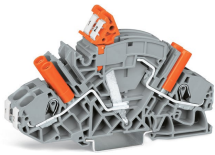
Terminal blocks required:
 2 x disconnect/test terminal block (2007-8821)
 1 x circuit jumper, orange (2007-8442)
 Locking covers or interlocking links (option)

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.



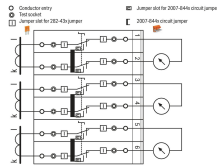
Test current measurement: Disconnect link in measuring position III

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

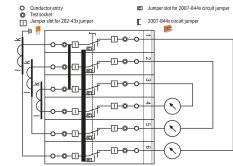
Measurement testing: First insert the reference current meter (A) into the test socket, then move the disconnect link into measurement point III (test current measurement).



Measuring set for a three-phase current transformer

Terminal blocks required:
 6 x disconnect/test terminal block (2007-8821)
 3 x circuit jumper, orange (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.

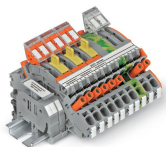


Measuring set for a three-phase current transformer with 'Y' point

Terminal blocks required:
 6 x disconnect/test terminal block (2007-8821)
 1 x circuit jumper, orange (2007-8446)
 1 x jumper, orange (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 strips.