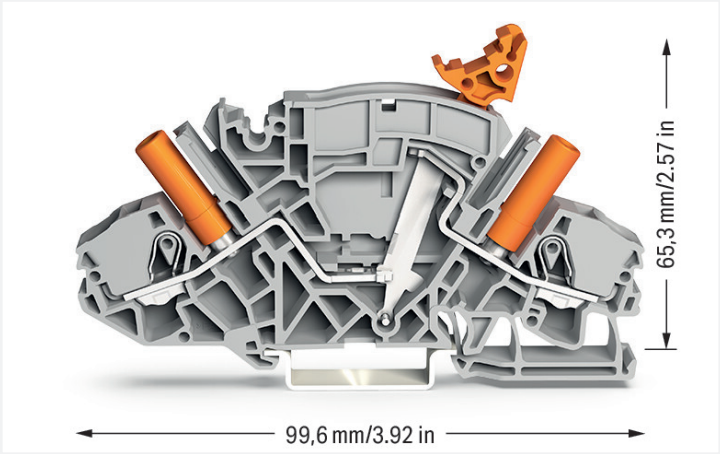
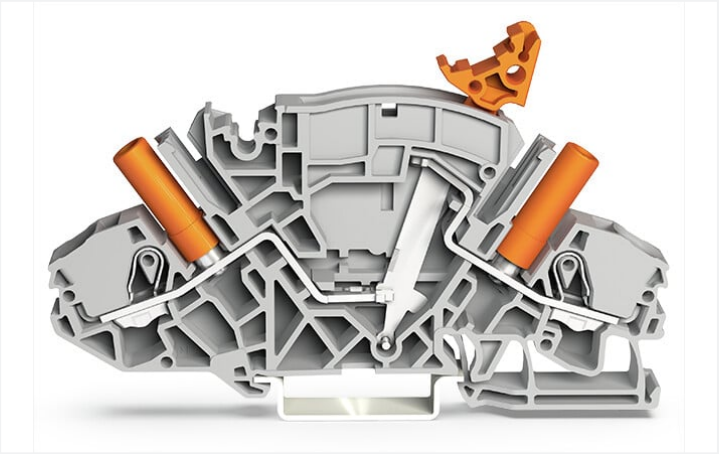
Data Sheet | Item Number: 2007-8821

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 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	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

RoHS Compliance Status	Compliant,No Exemption

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

General approvals

UL UL International Germany GmbH	UL 1059	E45172

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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
DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001V2

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

1.1.2 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

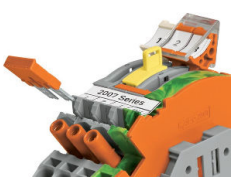
Item No.: 2007-8447
Adjacent jumper for switching lever; 7-way; insulated; orange

Item No.: 2007-8448
Adjacent jumper for switching lever; 8-way; insulated; orange

Item No.: 2007-8446
Short circuit jumper; 6-way; insulated; orange

Installation Notes

Commoning

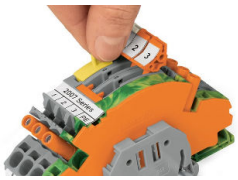


Additional commoning option on the transformer side

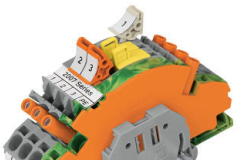
Preparing shorting path for the current transformer circuits.

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

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

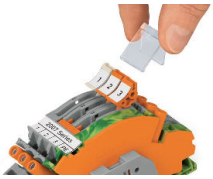


Lock-out prevents accidental operation of disconnect link.



Lock-out snaps into one of two notched positions.

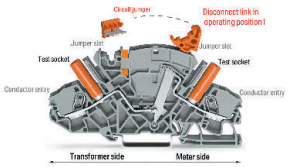
Locking system



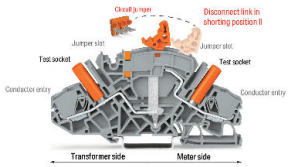
Using locking covers or profiles for adjacent terminal blocks allows disconnect links to be operated simultaneously.

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).

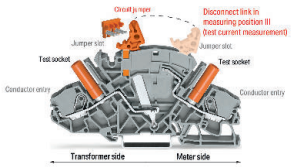
Interlocking link mechanically locks multiple links for multi-pole switching applications.



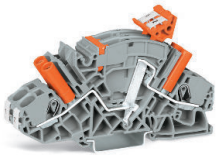
Disconnect/Test Terminal Block (2007-8821)



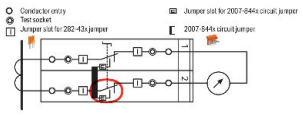
Disconnect/Test Terminal Block (2007-8821)



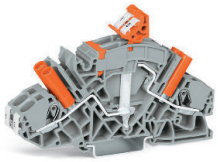
Disconnect/Test Terminal Block (2007-8821)



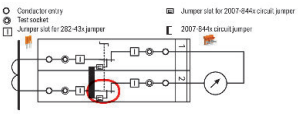
Disconnect link in operating position I
Terminal blocks required:
2 x disconnect/test terminal block (2007-8821)
1 x circuit jumper, orange (2007-8442)
Locking covers or interlocking links (option)



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.

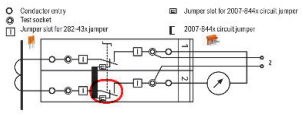


Disconnect link in shorting position II



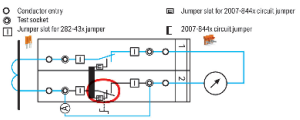
The transformer is not disconnected from the measuring device yet, the shorting path is activated by moving the disconnect link into shorting position II and the transformer is safely shorted.

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).

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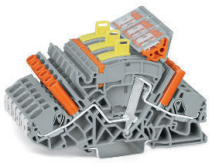
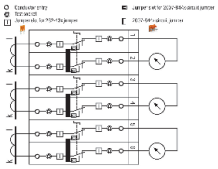
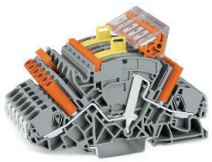


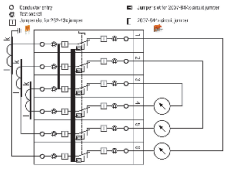
Measuring set for a three-phase current transformer
Terminal blocks required:
6 x disconnect/test terminal block (2007-8821)
3 x circuit jumper, orange (2007-8442)
In addition: interlocking link, locking cover, lock-out



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.