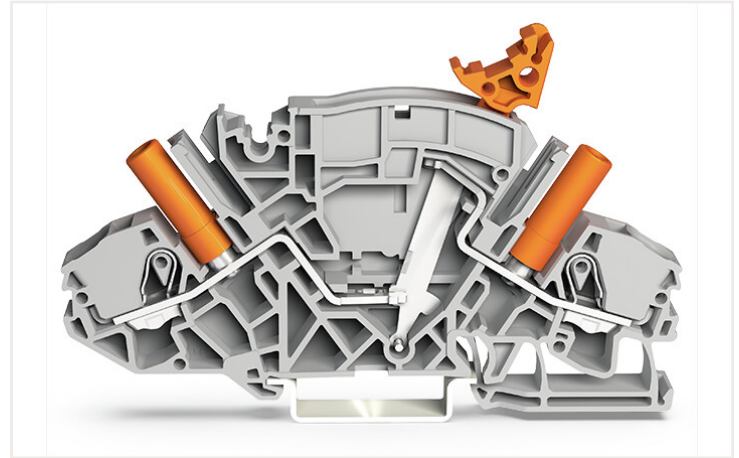
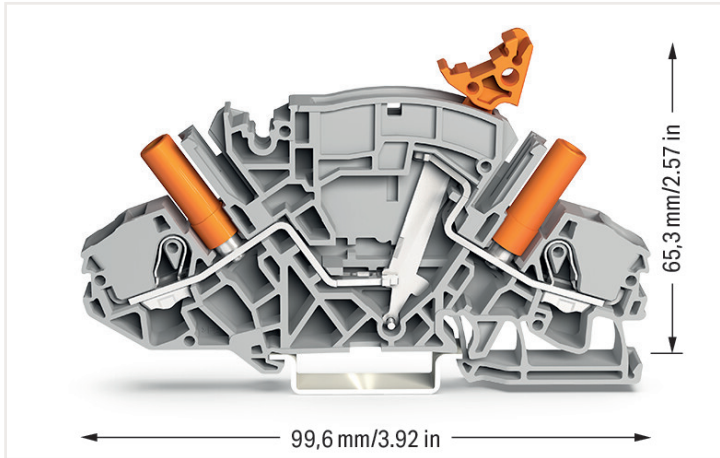


Data sheet | Item number: 2007-8821

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



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) Δ Overvoltage category III / Pollution degree 3

Ratings per UL

Approvals per	UL 1059
Rated voltage UL (Use Group B)	300 V
Rated current UL (Use Group B)	30 A
Rated voltage UL (Use Group C)	300 V
Rated current UL (Use Group C)	30 A
Rated voltage UL (Use Group D)	300 V
Rated current UL (Use Group D)	10 A

Ratings per CSA

Approvals per	CSA 22.2 No 158
Rated voltage CSA (Use Group B)	300 V
Rated current CSA (Use Group B)	30 A
Rated voltage CSA (Use Group C)	300 V
Rated current CSA (Use Group C)	30 A
Rated voltage CSA (Use Group D)	300 V
Rated current CSA (Use Group D)	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

Total number of 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	Push-in 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

Connection 1

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 data 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

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 Stück
Packaging type	Box
Country of origin VKOrg Germany	CN
GTIN	4055143074889
Customs tariff number VKOrg Germany	85365080900

Approvals and certificates

Country specific 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

Ship Approvals



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

UL-Approvals



Approval	Standard	Certificate name
UL Underwriters Laboratories Inc.	UL 1059	E45172

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2007-8821	↓
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Documentation

Additional Information

Technical Section	pdf 2142.18 KB	↓
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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

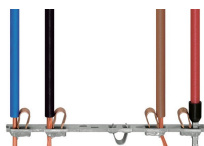
2D/3D Models 2007-8821	↓
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CAE data

EPLAN Data Portal 2007-8821	↓
WSCAD Universe 2007-8821	↓
ZUKEN Portal 2007-8821	↓

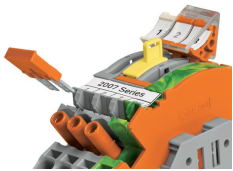
Installation notes

Conductor termination



All conductor types at a glance

Commoning



Additional commoning option on the transformer side



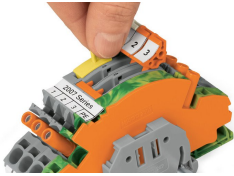
Preparing shorting path for the current transformer circuits.



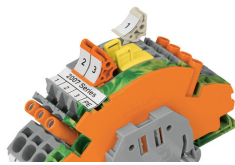
Insert insulated, touch-proof circuit jumpers into jumper slot.



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



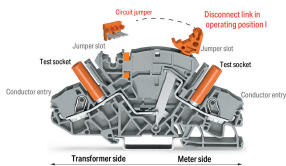
Using locking covers or profiles for adjacent terminal blocks allows disconnect links to be operated simultaneously.



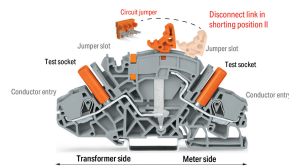
A lock-out seal can be used on the disconnect link in operating position I when combined with an end and separator plate (2007-8893 or 2007-8894).



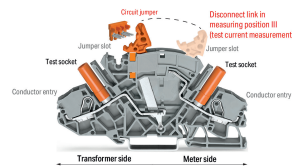
Interlocking link mechanically locks multiple links for multi-pole switching applications.



Disconnect/Test Terminal Block (2007-8821)



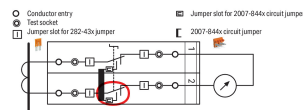
Disconnect/Test Terminal Block (2007-8821)



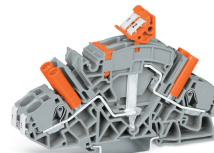
Disconnect/Test Terminal Block (2007-8821)



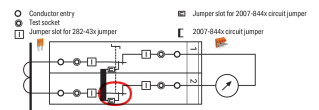
Disconnect link in operating position I
Terminal blocks required:
2 x disconnect/test terminal block (2007-8821)
1 x circuit jumper, orange (2007-8442)
Locking covers or interlocking links (option)



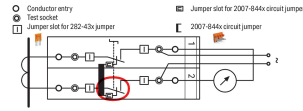
In the operating position, the measurement device is connected to the transformer, the circuit jumper is inserted and the disconnect link is in position I.



Disconnect link in shorting position II

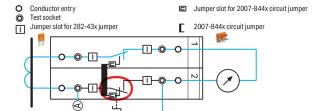


The transformer is not disconnected from the measuring device yet, the shorting path is activated by moving the disconnect link into shorting position II and the transformer is safely shorted.



Test current measurement: Disconnect link in measuring position III

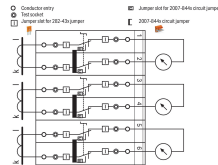
The measuring device is electrically disconnected from the transformer. If required, an external voltage can be applied to the measuring device via the test socket.



Measurement testing (using both test sockets)

Terminal block 1: Disconnect link in operating position I
Terminal block 2: Disconnect link in measuring position III

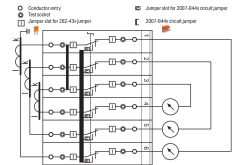
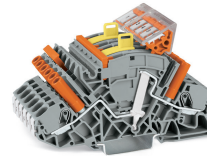
Measurement testing: First insert the reference current meter (A) into the test socket, then move the disconnect link into measurement point III (test current measurement).



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.

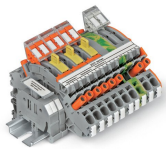


Measuring set for a three-phase current transformer with 'Y' point

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.