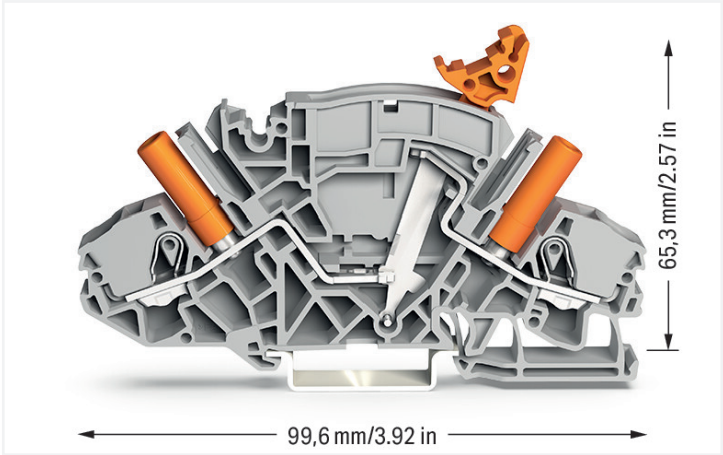


Data Sheet | Item Number: 2007-8821

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) Δ 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			General approvals		
			UL	UL 1059	E45172
			UL International Germany GmbH		
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			



Declarations of conformity and manufacturer's declarations



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

Approvals for marine applications



Approval	Standard	Certificate Name
DNV GL Det Norske Veritas, Ger- manischer Lloyd	-	TAE00001V2

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 2007-8821





Documentation

Additional Information
Technical Section

pdf
2142.18 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
2D/3D Models 2007-8821



CAE data
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

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

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; unslopped; similar to EN 60715; silver-colored



Item No.: 210-198

Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslopped; according to EN 60715; copper-colored



Item No.: 210-197

Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slopped; similar to EN 60715; silver-colored



Item No.: 210-114

Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslopped; similar to EN 60715; silver-colored



Item No.: 210-118

Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslopped; according to EN 60715; silver-colored



Item No.: 210-115

Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slopped; 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; slopped; 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; unslopped; according to EN 60715; silver-colored

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; 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



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




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 Tool

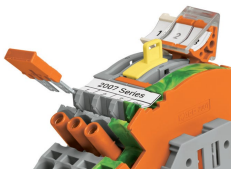
1.2.9.1 Operating tool



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.



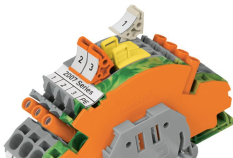
Insert insulated, touch-proof circuit jumpers into jumper slot.



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.

Locking system



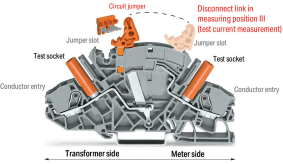
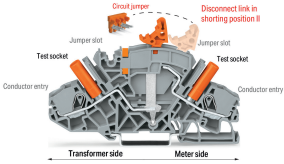
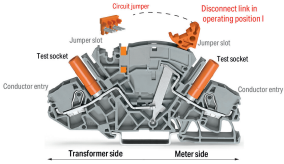
Using locking covers or profiles for adjacent terminal blocks allows disconnect links to be operated simultaneously.



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).



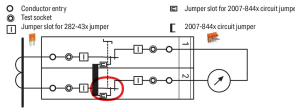
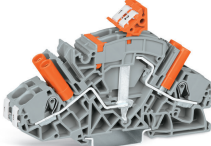
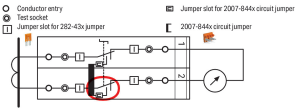

Interlocking link mechanically locks multiple links for multi-pole switching applications.



Disconnect/Test Terminal Block (2007-8821)

Disconnect/Test Terminal Block (2007-8821)

Disconnect/Test Terminal Block (2007-8821)

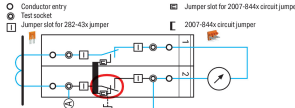

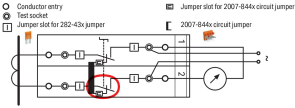



Disconnect link in operating position I
Terminal blocks required:
2 x disconnect/test terminal block (2007-8821)
1 x circuit jumper, orange (2007-8442)
Locking covers or interlocking links (option)

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 shunting position II

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

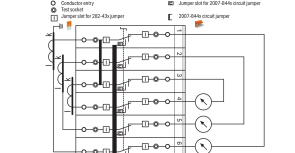
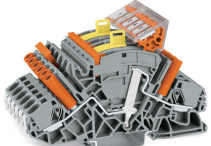
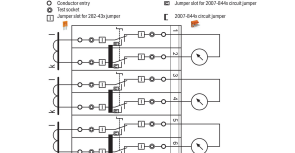
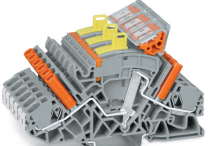


Test current measurement: Disconnect link in measuring position III

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.