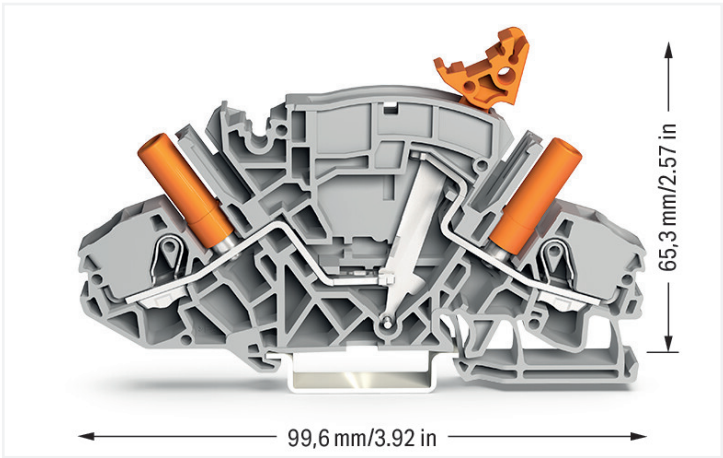


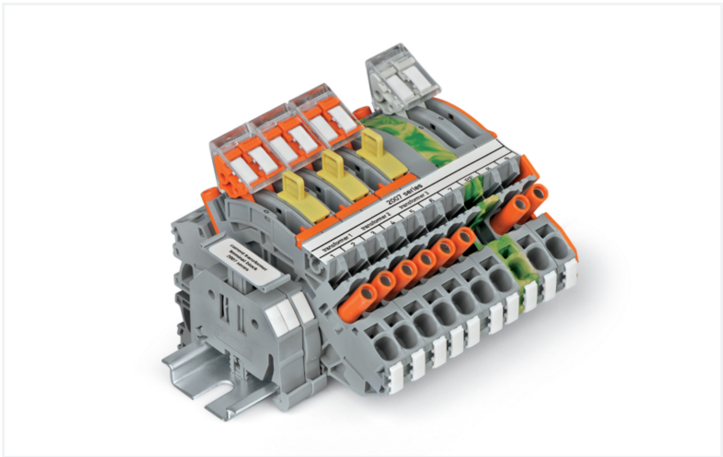
Data Sheet | Item Number: 2007-8821

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



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/EN 60664-1		Approvals per		UL 1059	
Overvoltage category	III	III	II	Use group	B	C	D
Pollution degree	3	2	2	Rated voltage	300 V	300 V	300 V
Nominal voltage	500 V	-	-	Rated current	30 A	30 A	10 A
Rated impulse withstand voltage	6 kV	-	-				
Rated current	30 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 power loss specification	30 A
Resistance value for specified, current-dependent power loss	0.00078 Ω

Connection data			
Clamping units	2	Connection 1	
Total number of potentials	2	Connection technology	Push-in CAGE CLAMP®
Number of levels	1	Actuation type	Operating tool
Number of jumper slots	2	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 (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.428 MJ
Weight	27.8 g
Test socket color	orange

Environmental requirements	
Processing temperature	-35 ... +85 °C
Continuous operating temperature	-60 ... +105 °C
Environmental Testing	
Test specification: Railway applications – Rolling stock – Electronic equipment	DIN EN 50155 (VDE 0115-200):2022-06

Environmental Testing

Test procedure: Railway applications – Rolling stock equipment – Vibration and shock tests	DIN EN 61373 (VDE 0115-0106):2011-04
Spectrum/Mounting location	Service life test, Category 1, Class A/B
Functional test with noise-like oscillations	Test passed according to Section 8 of the standard
Frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$
Acceleration	0.101g (highest test level used for all axes)
Test duration per axis	10 min.
Test directions	X, Y and Z axes
Monitoring of contact faults and interruptions	Passed
Voltage drop measurement before and after each axis	Passed
Simulated service life test through increased levels of noise-like oscillations	Test passed according to Section 9 of the standard
Frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$
Acceleration	0.572g (highest test level used for all axes)
Test duration per axis	5 h
Test directions	X, Y and Z axes
Extended testing: Monitoring of contact faults and interruptions	Passed
Extended testing: Voltage drop measurement before and after each axis	Passed
Shock test	Test passed according to Section 10 of the standard
Shock pulse form	Half sine
Acceleration	5g (highest test level used for all axes)
Shock duration	30 ms
Number of shocks (per axis)	3 pos. und 3 neg.
Test directions	X, Y and Z axes
Extended testing: Monitoring of contact faults and interruptions	Passed
Extended testing: Voltage drop measurement before and after each axis	Passed
Vibration and shock stress for rolling stock equipment	Passed






Commercial data


Product Group	22 (TOPJOB S)
PU (SPU)	20 pcs
Packaging type	Box
Country of origin	CN
GTIN	4055143074889
Customs tariff number	85365080000



Product Classification	
UNSPSC	39121410
eCl@ss 10.0	27-14-11-26
eCl@ss 9.0	27-14-11-26
ETIM 9.0	EC000902
ETIM 8.0	EC000902
ECCN	NO US CLASSIFICATION

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
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SCIP notification number (France)	a4ec1bfd-c70f-4a69-b65f-bdebdedcbd5b
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SCIP notification number (Italy)	97ddee9e-6f84-4304-abef-21c95eabb33d
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

Approvals / Certificates					
General approvals			Declarations of conformity and manufacturer's declarations		
<div></div>			<div></div>		
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 60947	71-122099	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
CCA DEKRA Certification B.V.	EN 60947	NTR NL-7911	Railway WAGO GmbH & Co. KG	-	Railway Ready
CSA DEKRA Certification B.V.	C22.2 No. 158	70009679	UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
UL UL International Germany GmbH	UL 1059	E45172			

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

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
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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
Item No.: 2007-8446 Adjacent jumper for switching lever; 6-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	



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
 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
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			
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.: 282-432 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

1.2.3.1 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

1.2.4 Locking system

1.2.4.1 Locking system



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



[Item No.: 282-881](#)
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

1.2.5 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.: 793-501/000-007](#)
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



1.2.6.1 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

1.2.6.2 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; yellow

1.2.8 Screwless end stop

1.2.8.1 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

1.2.9 Tool

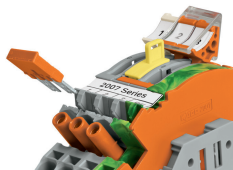
1.2.9.1 Operating tool



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



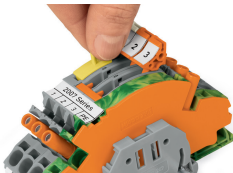
Preparing shorting path for the current transformer circuits.



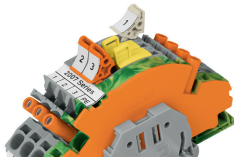
Insert insulated, touch-proof circuit jumpers into jumper slot.



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



Lock-out prevents accidental operation of disconnect link.

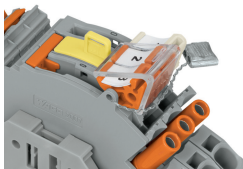


Lock-out snaps into one of two notched positions.

Locking system



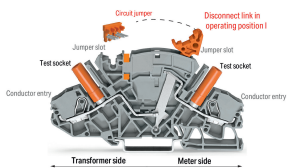
Using locking covers or profiles for adjacent terminal blocks allows disconnect links to be operated simultaneously.



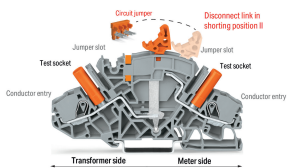
A lock-out seal can be used on the disconnect link in operating position I when combined with an end and separator plate (Item No. 2007-8893 or Item No. 2007-8894).



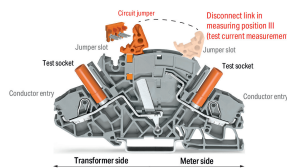
Interlocking link mechanically locks multiple links for multi-pole switching applications.



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



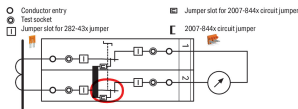
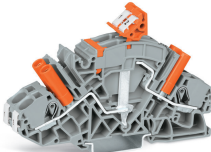
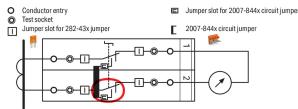
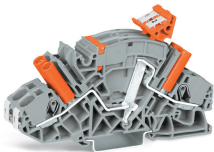
Disconnect/Test Terminal Block (Item No. 2007-8821)



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



Measuring



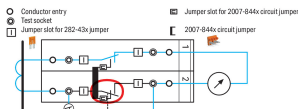
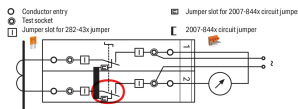
Disconnect link in operating position I
Terminal blocks required:
2 x disconnect/test terminal block (Item No. 2007-8821)
1 x circuit jumper, orange (Item No. 2007-8442)
Locking covers or interlocking links (option)

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.

Measuring

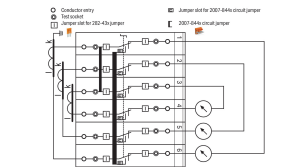
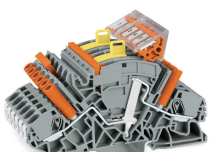
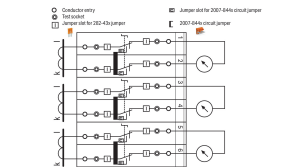
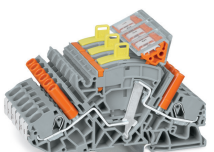


Test current measurement: Disconnect link in measuring position III

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).



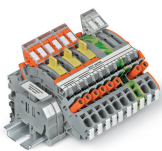
Measuring set for a three-phase current transformer
Terminal blocks required:
6 x disconnect/test terminal block (Item No. 2007-8821)
3 x circuit jumper, orange (Item No. 2007-8442)
In addition: interlocking link, locking cover, lock-out

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)
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.