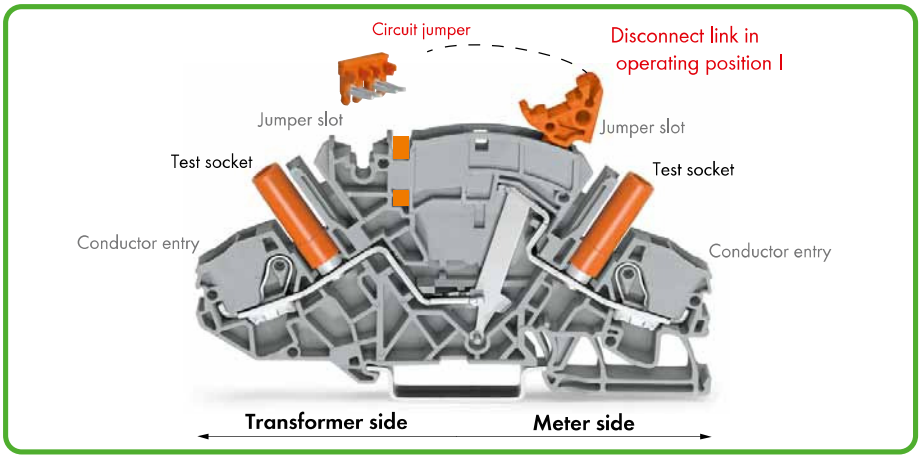
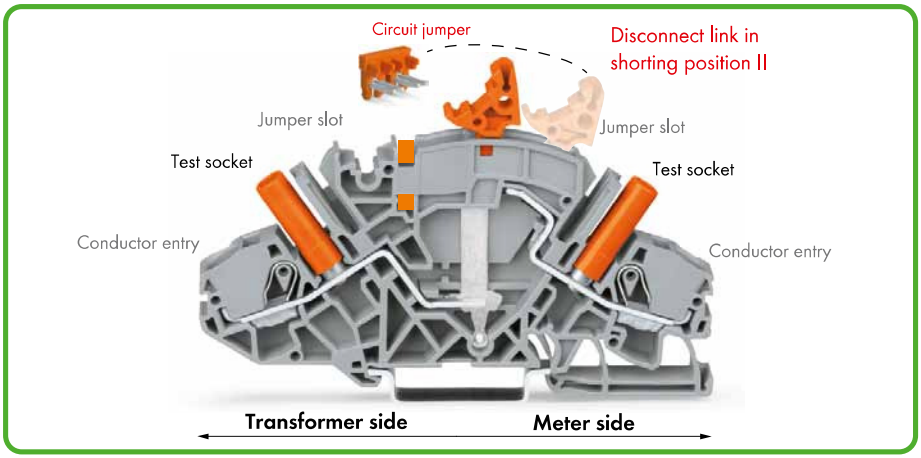
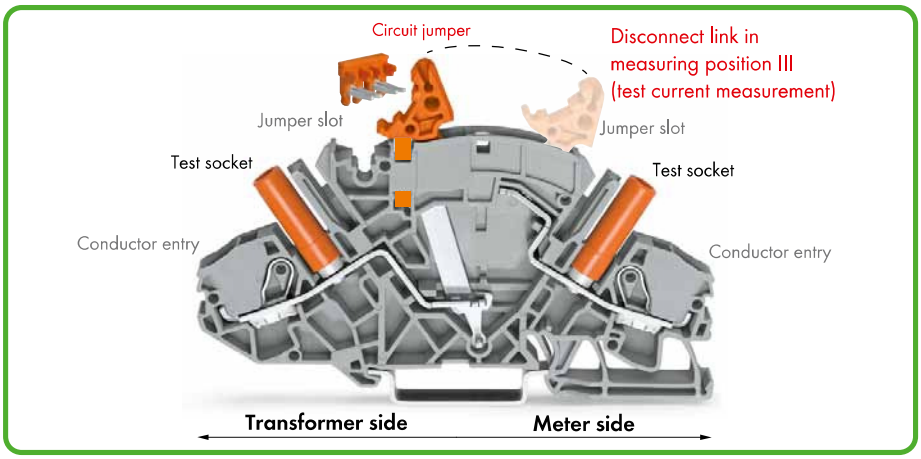
TOPJOB®S
2007-8821 Current Transformer Terminal Blocks (Orange Disconnect Link)







The TOPJOB® S current transformer (disconnect/test) terminal block **(2007-8821)** has been specially designed for current and voltage transformer circuits to measure the current transformer's operability.

First, the current transformer is shorted via disconnect link and circuit jumper (insert jumper, move disconnect link from operation position I to shorting position II, activate shorting path). Connecting a measuring device via test socket on the meter side can only be performed once circuit disconnection is complete (disconnect link in measuring position III).

- Features top-of-unit circuit jumper slot for shorting path activation.
- Disconnect link provides intuitive and easy operation, as well as exact switching status indication.
- Combines high functionality with compact design (99.6 mm long and 8 mm wide).
- All 2007 Series terminal blocks are rated 30 A/500 V (IEC) and 300 V (UL).
- With a terminal block width of 8 mm, the maximum cross-section for solid and fine-stranded conductors is 10 mm² (AWG 8) and 6 mm² (AWG 10) for ferruled conductors.
- Touch-proof test sockets for 4 mm Ø test plugs on transformer and meter side.
- Compatible with through and ground conductor terminal blocks of same profile.







Preparing the shorting path for current transformer circuits
Inserting insulated, touch-proof circuit jumpers into jumper slot. Using locking covers or profiles for adjacent terminal blocks allows disconnect links to be operated simultaneously.



CAGE CLAMP®S clamps the following copper conductors:*

solid



stranded



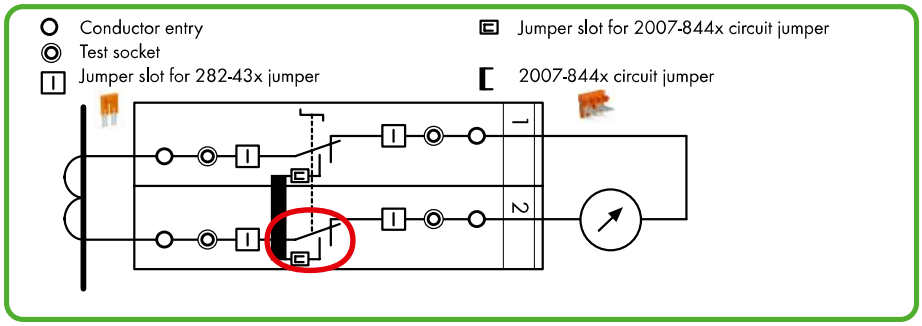
fine-stranded, also with tinned single strands

Implementing a Current and Voltage Transformer Circuit

Disconnect link in operating position I

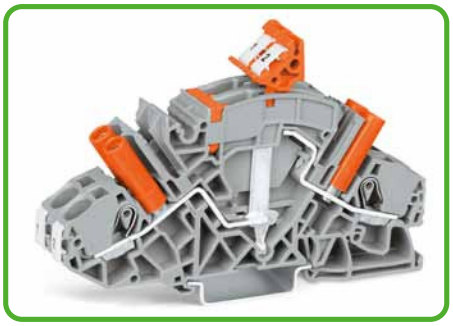


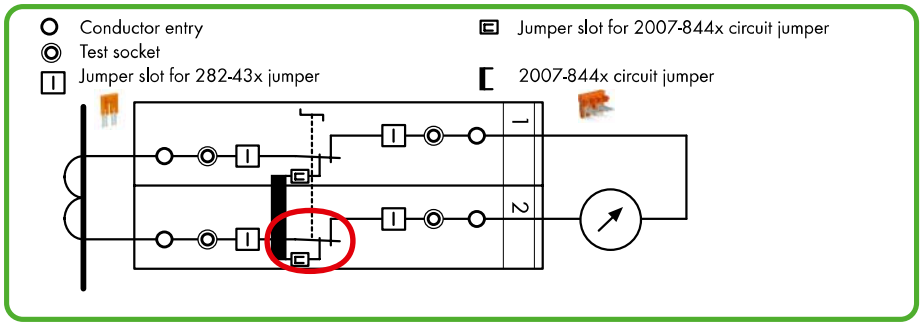
Terminal blocks required:
2 x disconnect/test terminal block 2007-8821
1 x circuit jumper, orange 2007-8442
optional with locking covers or interlocking links



In operating position, the measuring 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

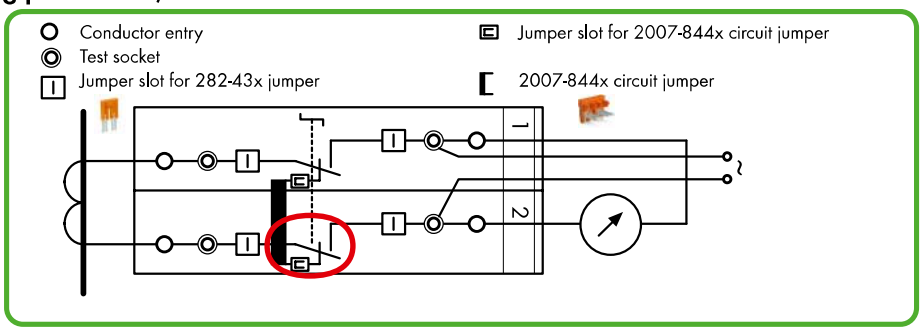




The transformer is **not** disconnected from the measuring device yet, the shorting path is activated by moving the disconnect link into shorting position II and the transformer is safely shorted.

Measuring, disconnect link in measuring position III / test current measurement



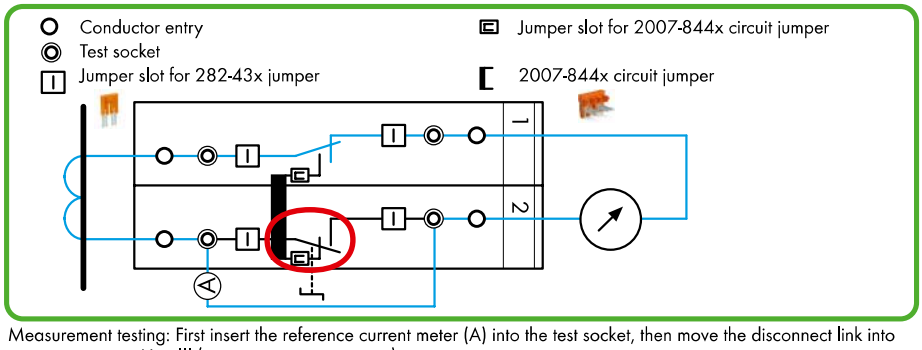


The measuring device/relay is electrically disconnected from the transformer. If required, an external voltage can be applied to the measuring device/relay via the test socket.

Measurement testing via 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 position III (test current measurement).



fine-stranded,
tip-bonded



fine-stranded,
with ferrule
(gastight crimped)



fine-stranded,
with pin terminal
(gastight crimped)

Examples for Current Transformer Circuits

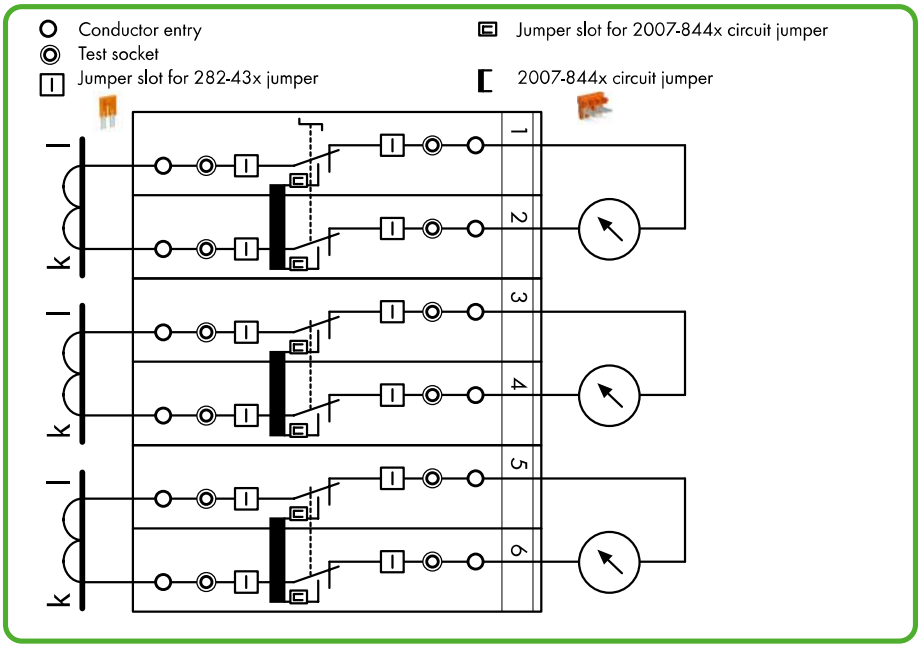
Measuring set for a 3-phase current transformer



Terminal blocks required:

6 x disconnect/test terminal block	2007-8821
3 x circuit jumper, orange	2007-8442

In addition: interlocking links, locking covers, lock-outs



Pairs of disconnect links are interconnected via locking covers or interlocking links.
Measurement testing is performed after the interlocking is released.

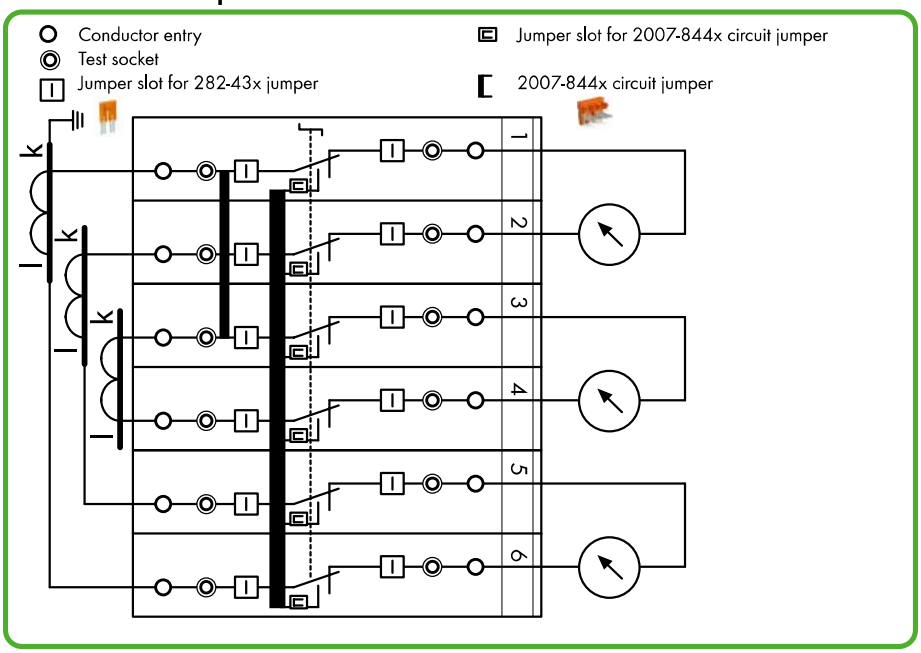
Measuring set for a 3-phase current transformer with 'Y' point



Terminal blocks required:

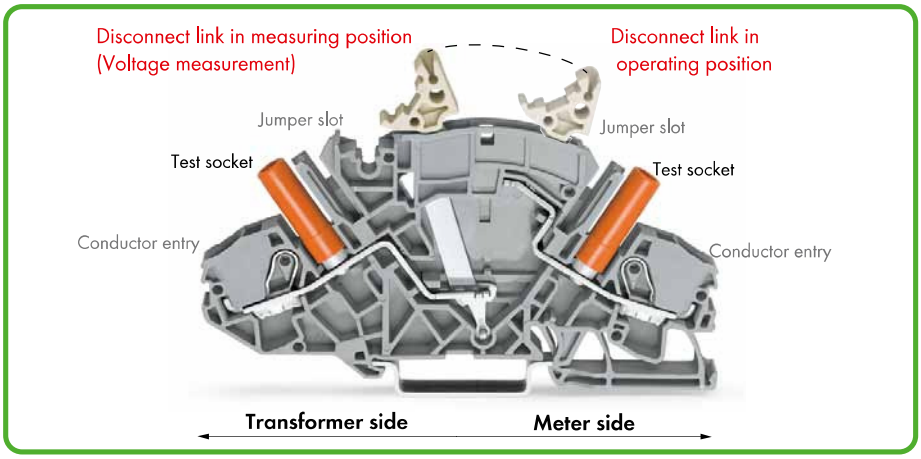
6 x disconnect/test terminal block	2007-8821
1 x circuit jumper, orange	2007-8446
1 x jumper, orange	282-433

In addition: interlocking links, locking covers, lock-outs



All 6 disconnect links are interconnected via via locking covers or interlocking links.

2007-8811 Voltage Transformer Terminal Blocks (Light Gray Disconnect Link)



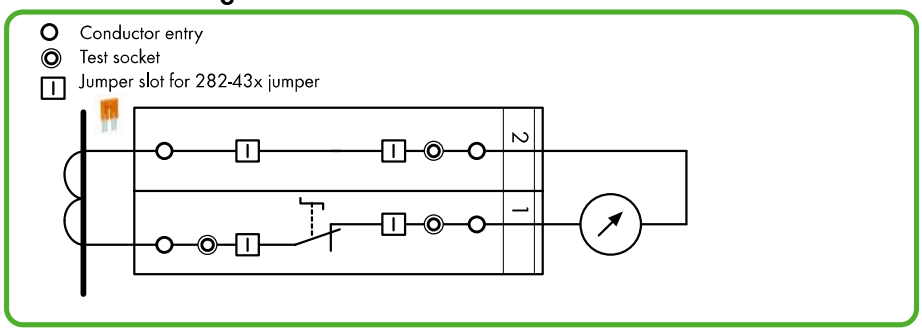
The TOPJOB® S voltage transformer (disconnect/test) terminal block **(2007-8811)** has been specially designed for voltage transformer circuits.

First, the voltage transformer must be disconnected from the circuit (from operating position to measurting position). Connecting a measuring device via test socket on the meter side can only be performed once circuit disconnection is completed (measuring position).

- For voltage transformer circuits (no circuit jumper slot required as for current transformer terminal block 2007-8821).
- Disconnect link provides intuitive and easy operation, as well as exact switching status indication.
- Combines high functionality with compact design (99.6 mm long and 8 mm wide).
- All 2007 Series terminal blocks are rated at 30 A/500 V (IEC) and 300 V (UL).
- With a terminal block width of 8 mm, the maximum cross-section for solid and fine-stranded conductors is 10 mm² (AWG 8) and 6 mm² (AWG 10) for ferruled conductors.
- Touch-proof test sockets for 4 mm Ø test plugs on transformer and meter side.
- Compatible with through and ground conductor terminal blocks of same profile.

Example for voltage transformer testing
Measuring set for single-phase voltage transformer testing





Terminal blocks required:

1 x disconnect/test terminal block	2007-8811
1 x through terminal block	2007-8801
1 x end plate, orange	2007-8892

In addition: locking cover, lock-out

Disconnecting the voltage transformer from the circuit: Move disconnect link from operating position to measuring position.
Voltage measurement: Connecting a measuring device via test socket on the meter side can only be performed after disconnection is completed (measuring position).

Marking



Marking via WMB Multi markers or marking strips.

Commoning



Additional commoning option via circuit-related jumpers or testing via test plug adapters (209-170) on transformer side

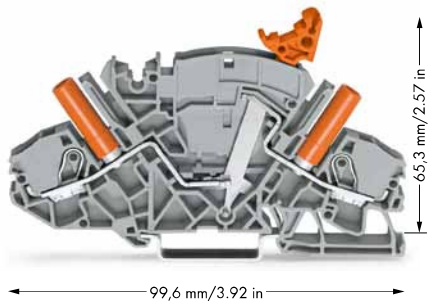
Locking cover for disconnect links

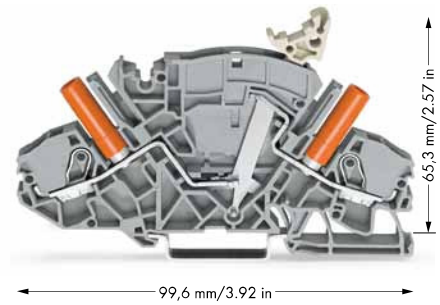


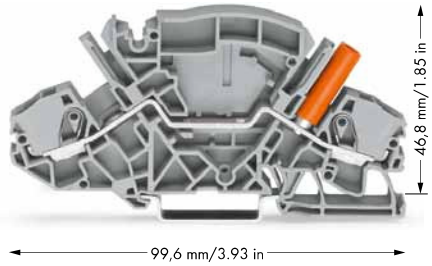
Multipole switching via snap-on type, transparent (locking) cover for disconnect links.

TOPJOB®S
Disconnect Terminal Blocks for Test and Measurement, 6 mm²/30 A, for Current and Voltage Transformer Circuits, 2006 Series

0.5 - 6 (10) mm² ❶ | AWG 20 - 8 500 V/6 kV/3 ❷ I_N 30 A Terminal block width 8 mm / 0.315 in 13 - 15 mm / 0.55 in ❸	0.5 - 6 (10) mm² ❶ | AWG 20 - 8 500 V/6 kV/3 ❷ I_N 30 A Terminal block width 8 mm / 0.315 in 13 - 15 mm / 0.55 in ❸	0.5 - 6 (10) mm² ❶ | AWG 20 - 8 500 V/6 kV/3 ❷ I_N 30 A Terminal block width 8 mm / 0.315 in 13 - 15 mm / 0.55 in ❸







Item No.		Pack. Unit
2-conductor disconnect terminal block for test and measurement, e.g., current and voltage transformer circuits, with receptacle for adjacent jumper with switch lever, with touch-proof test sockets, for 4 mm Ø test plug		
◯ gray	**2007-8821**	20

Item No.		Pack. Unit
2-conductor disconnect terminal block, with touch-proof test sockets, for 4 mm Ø test plug		
◯ gray	**2007-8811**	20

Item No.		Pack. Unit
2-conductor through terminal block, with touch-proof test socket, for 4 mm Ø test plug		
◯ gray	**2007-8801**	20

Item-Specific Accessories

Adjacent jumper for switch lever, insulated, orange,



I_N 30 A		
2-way	**2007-8442**	50 (5x10)
3-way	**2007-8443**	50 (5x10)
4-way	**2007-8444**	50 (5x10)
5-way	**2007-8445**	50 (5x10)
6-way	**2007-8446**	50 (5x10)
7-way	**2007-8447**	50 (5x10)
8-way	**2007-8448**	50 (5x10)

2006 Series Accessories

Appropriate marking systems: WMB/Marking strips
(see Full Line Catalog, Volume 1, Section 13)

End and separator plate, 1.5 mm thick,



without use of lock-out seal

orange	**2007-8892**	50 (5x10)
gray	**2007-8891**	50 (5x10)

End and separator plate, 1.5 mm thick,



for use of lock-out seal

orange	**2007-8894**	50 (5x10)
gray	**2007-8893**	50 (5x10)

Lock-out,



for disconnect link

yellow	**2007-8899**	100 (5x20)

Locking cover, transparent,



mechanically locks multiple links

1-pole	**282-881**	50 (5x10)
2-pole	**282-882**	50 (5x10)
3-pole	**282-883**	50 (5x10)
4-pole	**282-884**	50 (5x10)
5-pole	**282-885**	50 (5x10)
6-pole	**282-886**	50 (5x10)
7-pole	**282-887**	50 (5x10)
8-pole	**282-888**	50 (5x10)

Jumper, insulated,



I_N 30 A,
orange

2-way	**282-432**	50 (5x10)
3-way	**282-433**	50 (5x10)
4-way	**282-434**	50 (5x10)
5-way	**282-435**	50 (5x10)
6-way	**282-436**	50 (5x10)
7-way	**282-437**	50 (5x10)
8-way	**282-438**	50 (5x10)
9-way	**282-439**	50 (5x10)
10-way	**282-440**	50 (5x10)

Jumper with safety lid, insulated,



I_N 30 A,
orange

2-way	**282-432/100-000**
3-way	**282-433/100-000**
4-way	**282-434/100-000**
	50 (5x10)

Interlocking link,



mechanically locks multiple links,
1 m/3'3" long

transparent	**210-254**	1

Jumper, special design,



I_N 30 A,
orange

1-3-5	**282-435/011-000**
1-3-5-7	**282-437/011-000**
	50 (5x10)

WMB Multi marking system,



10 strips with 10 markers per card,
for terminal widths 5 - 17.5 mm,
yellow

k/l (50x)	**794-5553/000-002**
	5

WMB Multi marking system,



10 strips with 10 markers per card,
for terminal widths 5 - 17.5 mm,
blue

U/V (50x)	**794-5554/000-006**
	5

0.5 - 6 (10) mm² ❶ | AWG 20 - 8

Terminal block width 8 mm / 0.315 in
13 - 15 mm / 0.55 in ❸





The terminal blocks feature integrated test sockets for touch-proof 4 mm Ø test plugs.

❶ Conductor sizes: 0.5 mm² – 10 mm² "s + f-st"; Push-in conductor sizes: 1 mm² – 10 mm² "s" and 1.5 mm² – 6 mm² "insulated ferrule, 12 mm"

❷ 500 V = rated voltage
6 kV = rated surge voltage
3 = pollution degree
(see Full Line Catalog, Volume 1, Section 14)

❸ Strip length, see packaging or instructions.

	Item No.	Pack. Unit
2-conductor ground terminal block, with touch-proof test socket, for 4 mm Ø test plug		
green-yellow	**2007-8807**	20
Protective warning marker, with high-voltage symbol, black, for 5 terminal blocks		
yellow	**2006-115**	100 (4x25)
WMB Multi marking system, 10 strips with 10 markers per card, for terminal widths 5 - 17.5 mm		
plain	**793-501**	5
WMB Multi marking system, plain, 10 strips with 10 markers per card, for terminal widths 5 - 17.5 mm		
yellow	**793-501/000-002**	
red	**793-501/000-005**	
blue	**793-501/000-006**	
gray	**793-501/000-007**	
orange	**793-501/000-012**	
light green	**793-501/000-017**	
green	**793-501/000-023**	
violet	**793-501/000-024**	
		5
Marking strip, plain, 11 mm wide, 50 m roll		
white	**2009-110**	1



Lock-out prevents accidental operation of disconnect link.



Lock-out snaps into one of two notched positions.



Interlocking link for mechanical interlocking of several links for multipole switching



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