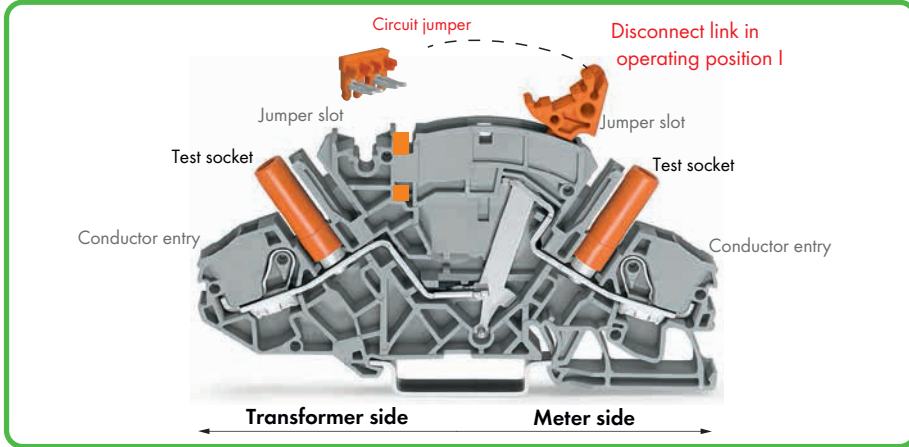


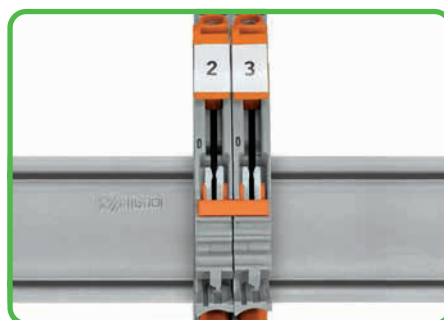
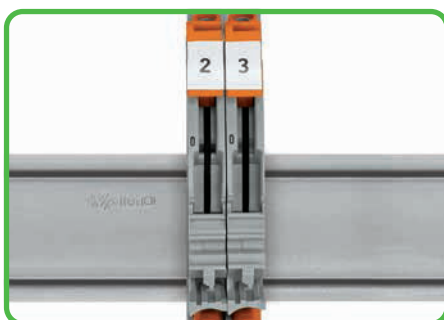
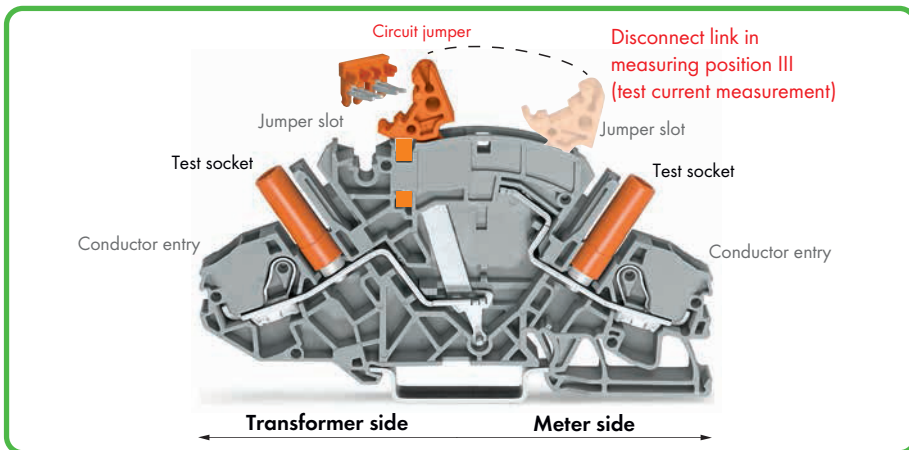
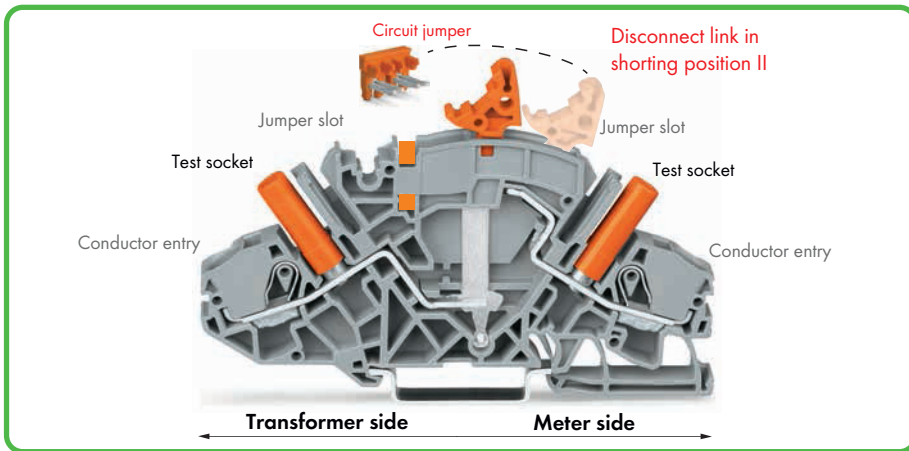
# TOPJOB® S 2007-8821 Current Transformer Terminal Blocks (Orange Disconnect Link)



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 mm<sup>2</sup> (AWG 8) and 6 mm<sup>2</sup> (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

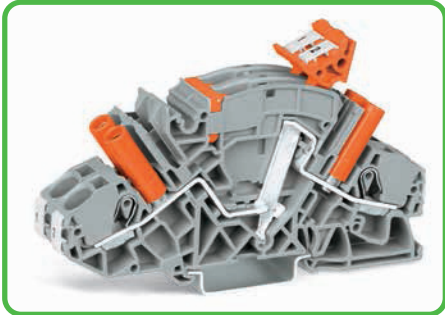


fine-stranded, also with tinned single strands

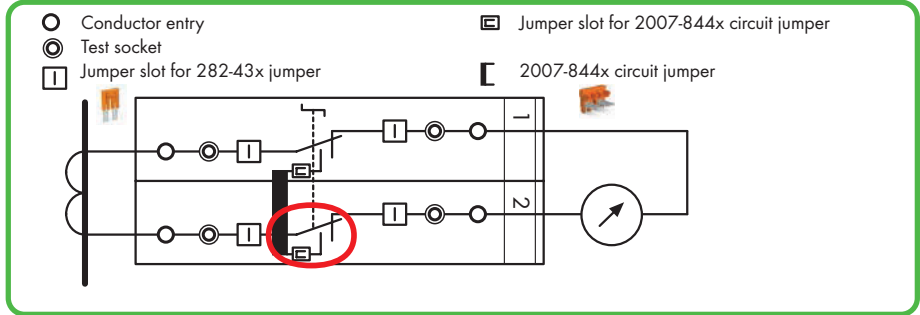
\* For aluminum conductors, see notes in Section 14.

# TOPJOB® S Implementing a Current and Voltage Transformer Circuit

## Disconnect link in operating position I

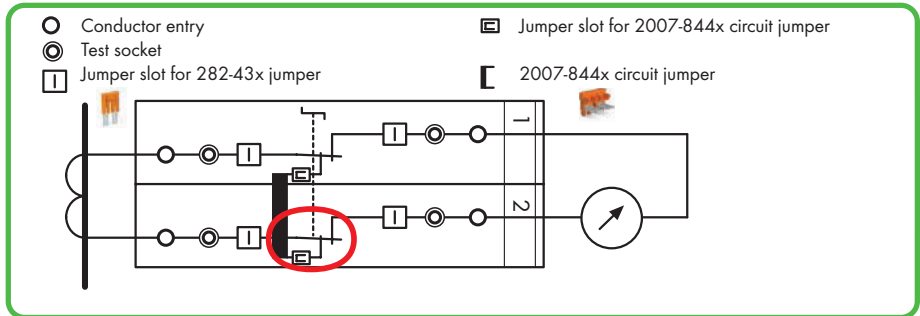
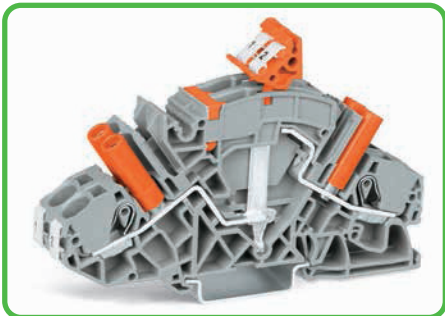


Terminal blocks required:  
 2 x disconnect/test terminal block 2007-8821  
 1 x circuit jumper, orange 2007-8442  
 optional with locking covers or interlocking links



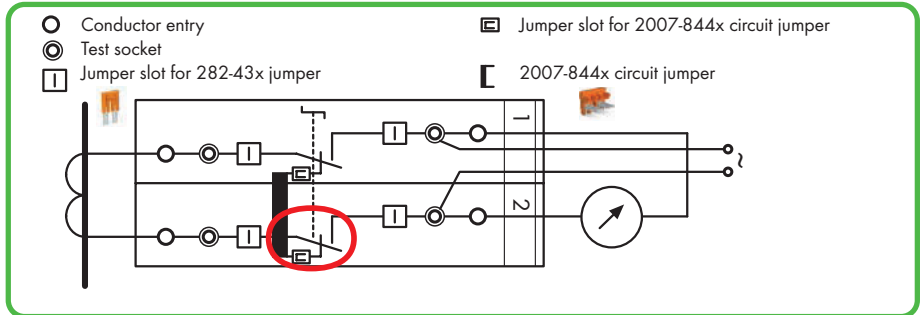
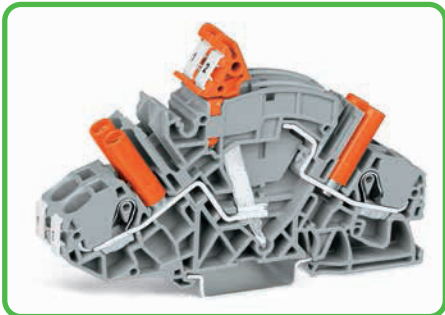
In operating position, the measuring device is connected to the transformer, the circuit jumper is inserted and the disconnect link is in position I.

## Disconnect link in shorting position II



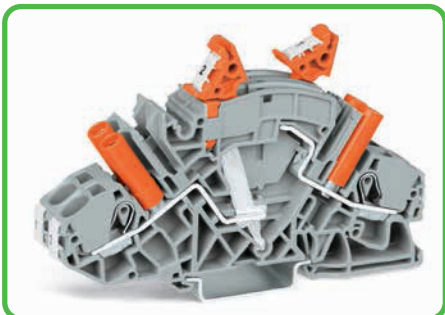
The transformer is **not** disconnected from the measuring device yet, the shorting path is activated by moving the disconnect link into shorting position II and the transformer is safely shorted.

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

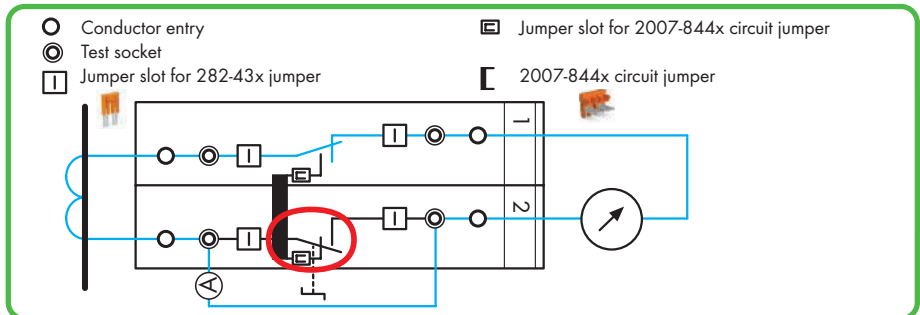


The measuring device/relay is electrically disconnected from the transformer. If required, an external voltage can be applied to the measuring device/relay via the test socket.

## 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



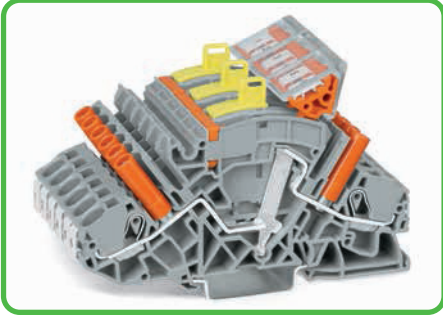
fine-stranded, with ferrule (gastight crimped)



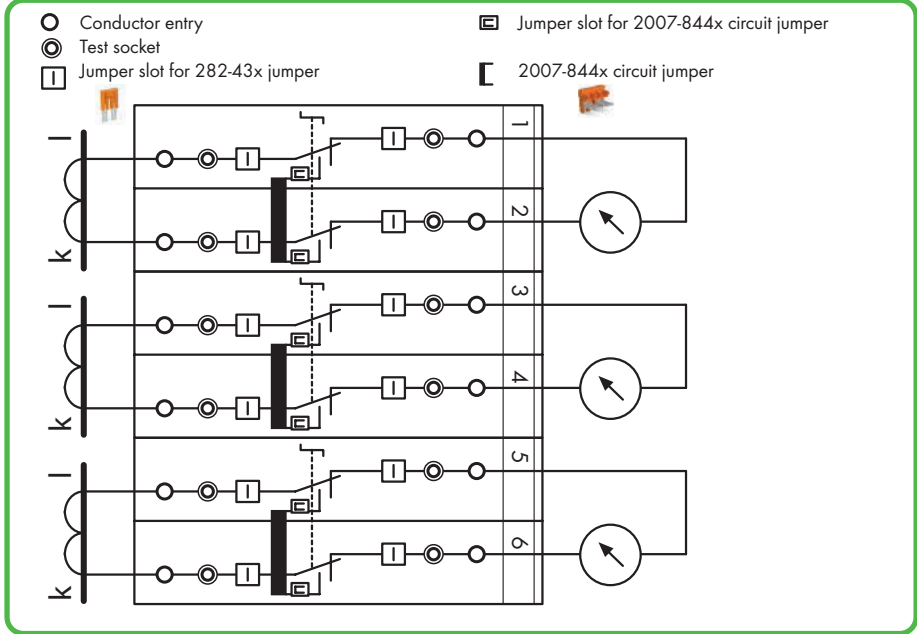
fine-stranded, with pin terminal (gastight crimped)

# Examples for Current Transformer Circuits

## 70 Measuring set for a 3-phase current transformer

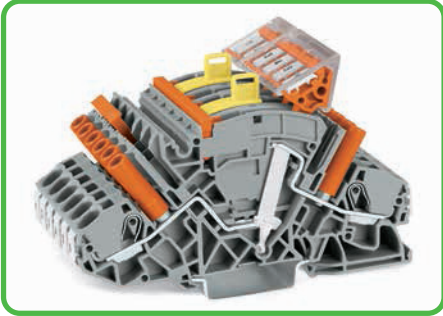


Terminal blocks required:  
 6 x disconnect/test terminal block 2007-8821  
 3 x circuit jumper, orange 2007-8442  
 In addition: interlocking links, locking covers, lock-outs

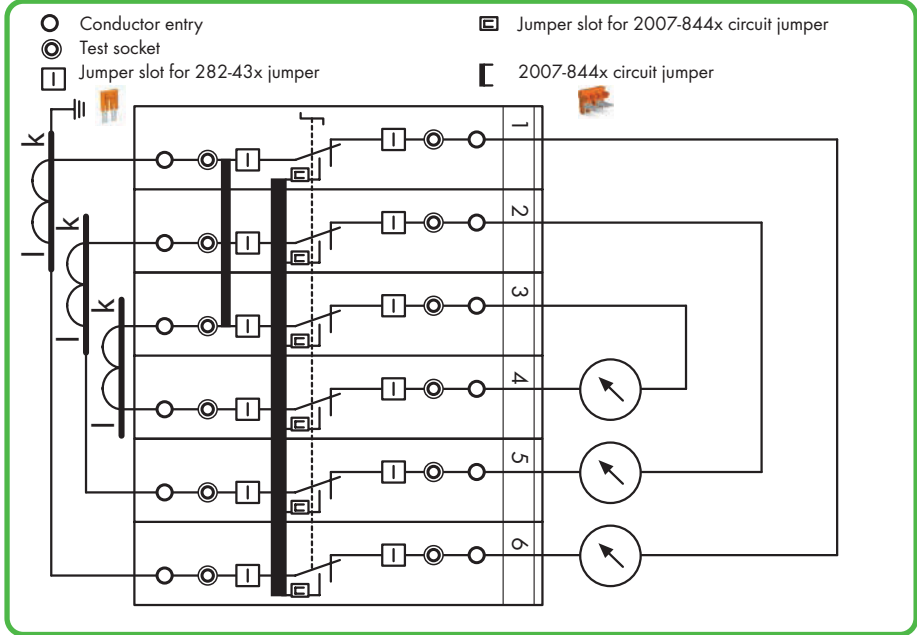


Pairs of disconnect links are interconnected via locking covers or interlocking links. Measurement testing is performed after the interlocking is released.

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

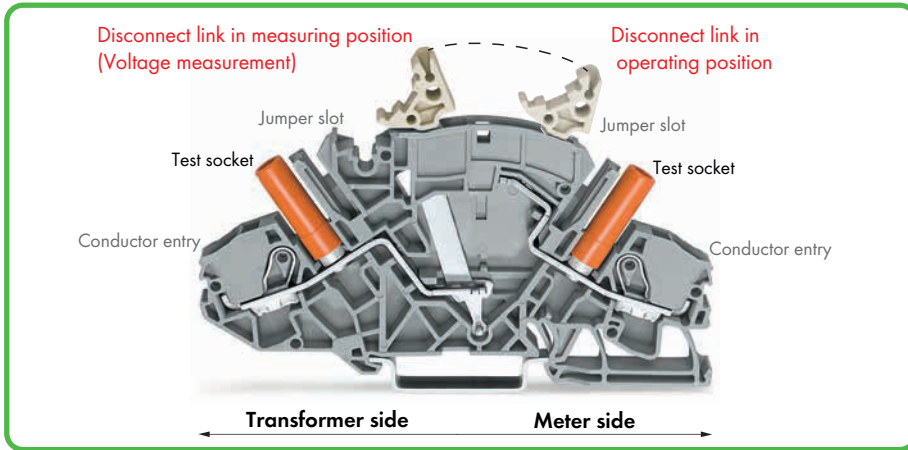


Terminal blocks required:  
 6 x disconnect/test terminal block 2007-8821  
 1 x circuit jumper, orange 2007-8446  
 1 x jumper, orange 282-433  
 In addition: interlocking links, locking covers, lock-outs



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

# TOPJOB® S 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.

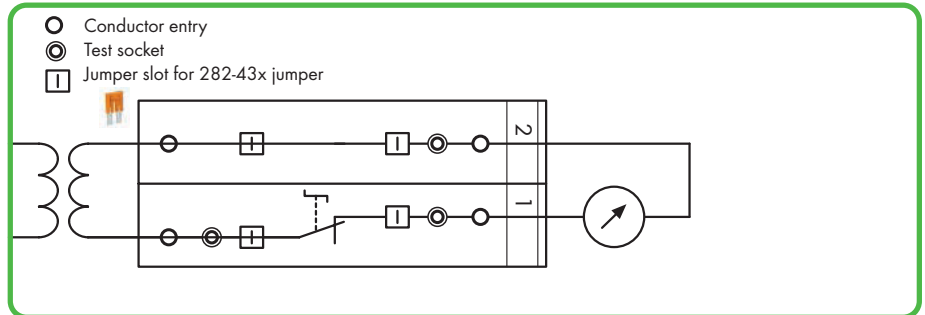
First, the voltage transformer must be disconnected from the circuit (from operating position to measuring position). Connecting a measuring device via test socket on the meter side can only be performed once circuit disconnection is completed (measuring position).

- 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 mm<sup>2</sup> (AWG 8) and 6 mm<sup>2</sup> (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

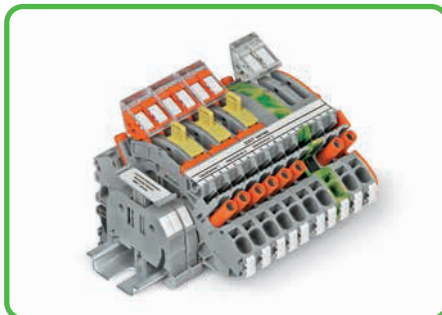


Terminal blocks required:  
 1 x disconnect/test terminal block 2007-8811  
 1 x through terminal block 2007-8801  
 1 x end plate, orange 2007-8892  
 In addition: locking cover, lock-out



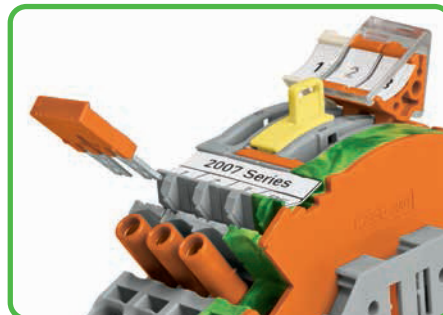
Disconnecting the voltage transformer from the circuit: Move disconnect link from operating position to measuring position.  
 Voltage measurement: Connecting a measuring device via test socket on the meter side can only be performed after disconnection is completed (measuring position).

### 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

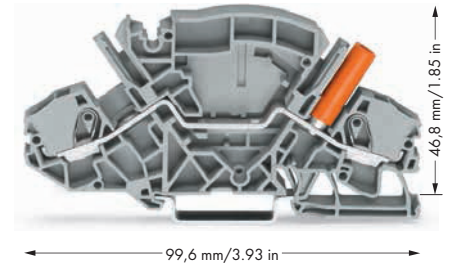
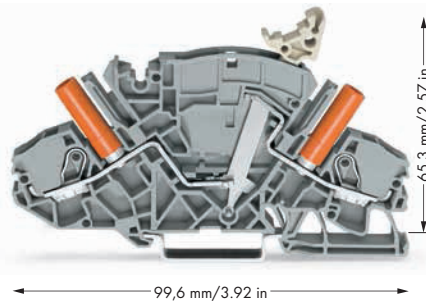
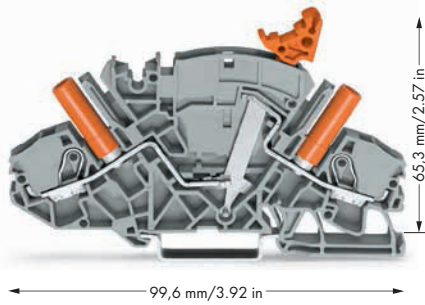



Multipole switching via snap-on type, transparent (locking) cover for disconnect links.

# TOPJOB® S

## Disconnect Terminal Blocks for Test and Measurement, 6 mm<sup>2</sup>/30 A, for Current and Voltage Transformer Circuits, 2007 Series












<p>0.5 - 6 (10) mm<sup>2</sup> ①   AWG 20 - 8 500 V/6 kV/3 ② I<sub>N</sub> 30 A</p> <p>Terminal block width 8 mm / 0.315 in   13 - 15 mm / 0.55 in ③</p>	<p>0.5 - 6 (10) mm<sup>2</sup> ①   AWG 20 - 8 500 V/6 kV/3 ② I<sub>N</sub> 30 A</p> <p>Terminal block width 8 mm / 0.315 in   13 - 15 mm / 0.55 in ③</p>	<p>0.5 - 6 (10) mm<sup>2</sup> ①   AWG 20 - 8 500 V/6 kV/3 ② I<sub>N</sub> 30 A</p> <p>Terminal block width 8 mm / 0.315 in   13 - 15 mm / 0.55 in ③</p>
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Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
<p><b>2-conductor disconnect terminal block for test and measurement</b>, e.g., current transformer circuits, with receptacle for adjacent jumper with switch lever, with touch-proof test sockets, for 4 mm Ø test plug</p> <p>● gray      <b>2007-8821</b>      20</p>		<p><b>2-conductor disconnect terminal block for test and measurement</b>, e.g., voltage transformer circuits, with touch-proof test sockets, for 4 mm Ø test plug</p> <p>● gray      <b>2007-8811</b>      20</p>		<p><b>2-conductor through terminal block</b>, with touch-proof test socket, for 4 mm Ø test plug</p> <p>● gray      <b>2007-8801</b>      20</p>	
<b>Item-Specific Accessories</b>					
<p><b>Adjacent jumper for switch lever</b>, insulated, orange, I<sub>N</sub> 30 A</p> <p> 2-way      <b>2007-8442</b>      50 (5x10)</p> <p>3-way      <b>2007-8443</b>      50 (5x10)</p> <p>4-way      <b>2007-8444</b>      50 (5x10)</p> <p>5-way      <b>2007-8445</b>      50 (5x10)</p> <p>6-way      <b>2007-8446</b>      50 (5x10)</p> <p>7-way      <b>2007-8447</b>      50 (5x10)</p> <p>8-way      <b>2007-8448</b>      50 (5x10)</p>					

### 2006 Series Accessories

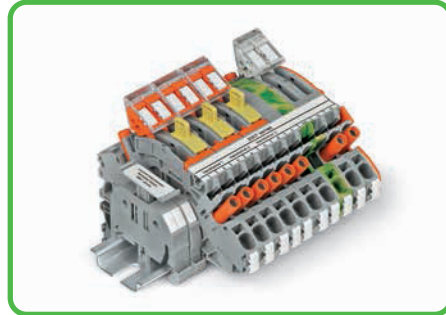
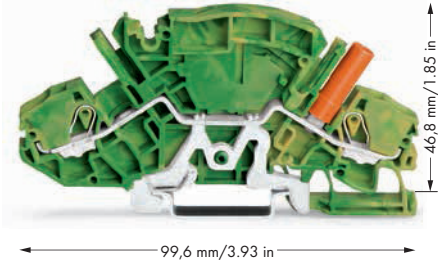
Appropriate marking systems: WMB/Marking strips (see Section 13)

<p><b>End and separator plate</b>, 1.5 mm thick, without use of lock-out seal</p> <p> orange      <b>2007-8892</b>      50 (5x10)</p> <p>gray      <b>2007-8891</b>      50 (5x10)</p>	<p><b>Jumper</b>, insulated, I<sub>N</sub> 30 A, orange</p> <p> 2-way      <b>282-432</b>      50 (5x10)</p> <p>3-way      <b>282-433</b>      50 (5x10)</p> <p>4-way      <b>282-434</b>      50 (5x10)</p> <p>5-way      <b>282-435</b>      50 (5x10)</p> <p>6-way      <b>282-436</b>      50 (5x10)</p> <p>7-way      <b>282-437</b>      50 (5x10)</p> <p>8-way      <b>282-438</b>      50 (5x10)</p> <p>9-way      <b>282-439</b>      50 (5x10)</p> <p>10-way      <b>282-440</b>      50 (5x10)</p>	<p><b>Jumper</b>, special design, I<sub>N</sub> 30 A, orange</p> <p> 1-3-5      <b>282-435/011-000</b></p> <p>1-2-4-6      <b>282-436/301-000</b></p> <p>1-3-5-7      <b>282-437/011-000</b></p> <p>1-4-7      <b>282-437/012-000</b></p> <p>1-2-5-8      <b>282-438/300-000</b></p> <p>1-4-7-8      <b>282-438/301-000</b></p> <p>1-3-5-7-9      <b>282-439/011-000</b>      50 (5x10)</p>
<p><b>End and separator plate</b>, 1.5 mm thick, for use of lock-out seal</p> <p> orange      <b>2007-8894</b>      50 (5x10)</p> <p>gray      <b>2007-8893</b>      50 (5x10)</p>		
<p><b>Lock-out</b>, for disconnect link</p> <p> yellow      <b>2007-8899</b>      100 (5x20)</p>		
<p><b>Locking cover</b>, transparent, mechanically locks multiple links</p> <p> 1-pole      <b>282-881</b>      50 (5x10)</p> <p>2-pole      <b>282-882</b>      50 (5x10)</p> <p>3-pole      <b>282-883</b>      50 (5x10)</p> <p>4-pole      <b>282-884</b>      50 (5x10)</p> <p>5-pole      <b>282-885</b>      50 (5x10)</p> <p>6-pole      <b>282-886</b>      50 (5x10)</p> <p>7-pole      <b>282-887</b>      50 (5x10)</p> <p>8-pole      <b>282-888</b>      50 (5x10)</p>	<p><b>Jumper with safety lid</b>, insulated, I<sub>N</sub> 30 A, orange</p> <p> 2-way      <b>282-432/100-000</b></p> <p>3-way      <b>282-433/100-000</b></p> <p>4-way      <b>282-434/100-000</b>      50 (5x10)</p>	<p><b>Protective warning marker</b>, with high-voltage symbol, black, for 5 terminal blocks</p> <p> yellow      <b>2006-115</b>      100 (4x25)</p>
	<p><b>Interlocking link</b>, mechanically locks multiple links, 1 m/3'3" long</p> <p> transparent      <b>210-254</b>      1</p>	<p><b>WMB Multi marking system</b>, 10 strips with 10 markers per card, for terminal widths 5 - 17.5 mm</p> <p> plain      <b>793-501</b>      5</p>
		<p><b>Marking strip</b>, plain, 11 mm wide, 50 m roll</p> <p> white      <b>2009-110</b>      1</p>

0.5 - 6 (10) mm<sup>2</sup> ① | AWG 20 - 8


Terminal block width 8 mm / 0.315 in

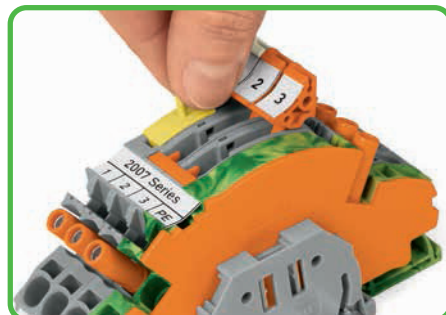
② 13 - 15 mm / 0.55 in ③



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

- ① Conductor sizes: 0.5 mm<sup>2</sup> - 10 mm<sup>2</sup> "s + f-st";  
Push-in conductor sizes: 1 mm<sup>2</sup> - 10 mm<sup>2</sup> "s"  
and 1.5 mm<sup>2</sup> - 6 mm<sup>2</sup>  
"insulated ferrule, 12 mm"
- ② 500 V = rated voltage  
6 kV = rated surge voltage  
3 = pollution degree  
(see Section 14)
- ③ Strip length, see packaging or instructions.

Item No.	Pack. Unit
<b>2-conductor ground terminal block, with touch-proof test socket, for 4 mm Ø test plug</b>	
 green-yellow	2007-8807 20
<b>WMB Multi marking system,</b> 10 strips with 10 markers per card, for terminal widths 5 - 17.5 mm, yellow k/1 (50x) 794-5553/000-002 5	
<b>WMB Multi marking system,</b> 10 strips with 10 markers per card, for terminal widths 5 - 17.5 mm, blue U/V (50x) 794-5554/000-006 5	



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 multi-pole switching

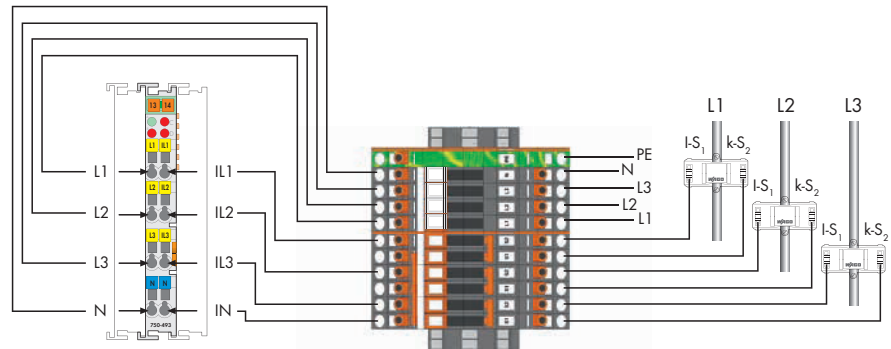


A lock-out seal can be used on the disconnect link in operating position I in connection with end and separator plate (2007-8893 or 2007-8894)

# TOPJOB® S Terminal Block Assemblies for Current and Voltage Transformers 2007 Series



Item No. for 2007-8873	Description	Quantity
249-117	Screwless end stop, 10 mm wide	2
282-882	Locking cover, mechanically locks multiple links, 2-pole	3
282-884	Locking cover, mechanically locks multiple links, 4-pole	1
2007-8442	Adjacent jumper for switch lever, insulated, 2-way	3
2007-8807	2-conductor ground terminal block, with touch-proof test socket, for 4 mm Ø test plug	1
2007-8811	2-conductor disconnect terminal block for test and measurement, with touch-proof test sockets, for 4 mm Ø test plug	4
2007-8821	2-conductor disconnect terminal block for test and measurement, with touch-proof test sockets, for 4 mm Ø test plug	6
2007-8892	End and separator plate, 1.5 mm thick, without use of lock-out seal	2
209-135	WMB Inline, plain, stretchable 5 - 5.2 mm, 8,000 WMB markers, 5 mm, on roll	21 Markers
282-435/011-000	Jumper, insulated, 1-3-5	1
Assembly width incl. end stop		11.2 cm



**3-Phase Power Measurement Module  
750 Series**

**Terminal Block Assembly for  
Current and Voltage Transformers  
2007 Series**

**Current Transformers  
855 Series**



Item No. for 2007-8876	Quantity
<b>Description</b>	
249-117 Screwless end stop, 10 mm wide	2
282-369 Collective carrier for jumpers, for DIN 35 rail, for jumpers for transverse switching terminal block (282-811) and longitudinal switching disconnect terminal block (282-821)	1
282-882 Locking cover, mechanically locks multiple links, 2-pole	3
2007-8442 Adjacent jumper for switch lever, insulated, 2-way	3
2007-8821 2-conductor disconnect terminal block for test and measurement, with touch-proof test sockets, for 4 mm Ø test plug	6
2007-8892 End and separator plate, 1.5 mm thick, without use of lock-out seal	1
2009-135 WMB Inline, plain, stretchable 5 - 5.2 mm, 8,000 WMB markers, 5 mm, on roll	12 Markers
282-435/011-000 Jumper, insulated, 1-3-5	1
Assembly width incl. end stop	8.5 cm