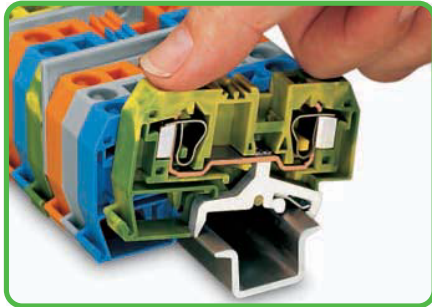


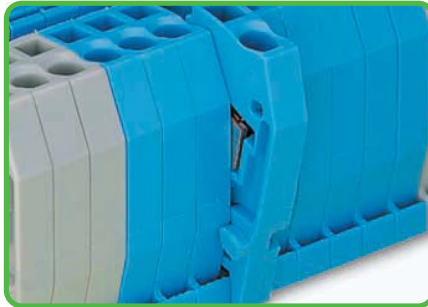
# Rail-Mounted Terminal Blocks 279 to 285 Series and 880 Series

## Assembly



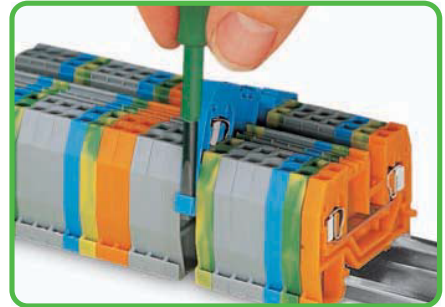
By snapping a ground conductor terminal block onto the carrier rail, a direct electrical connection is automatically made to the rail.

## Assembly



Quick assembly keys prevent reverse mounting.

## Removal



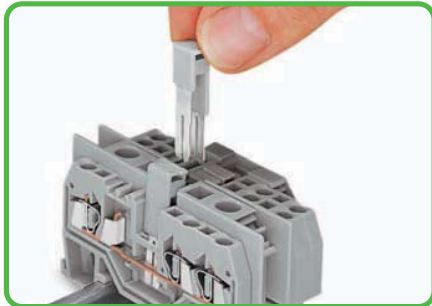
Removing a terminal block from the assembly.

## Commoning



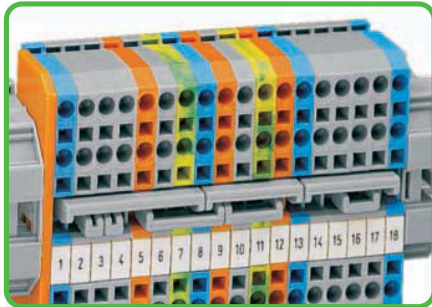
Commoning ground conductor terminal blocks with through terminal blocks is possible in one direction only (via rear side of terminal block) using adjacent jumpers. In addition to the required marking of these blocks, use yellow-green adjacent jumpers.

## Commoning with step-down jumpers



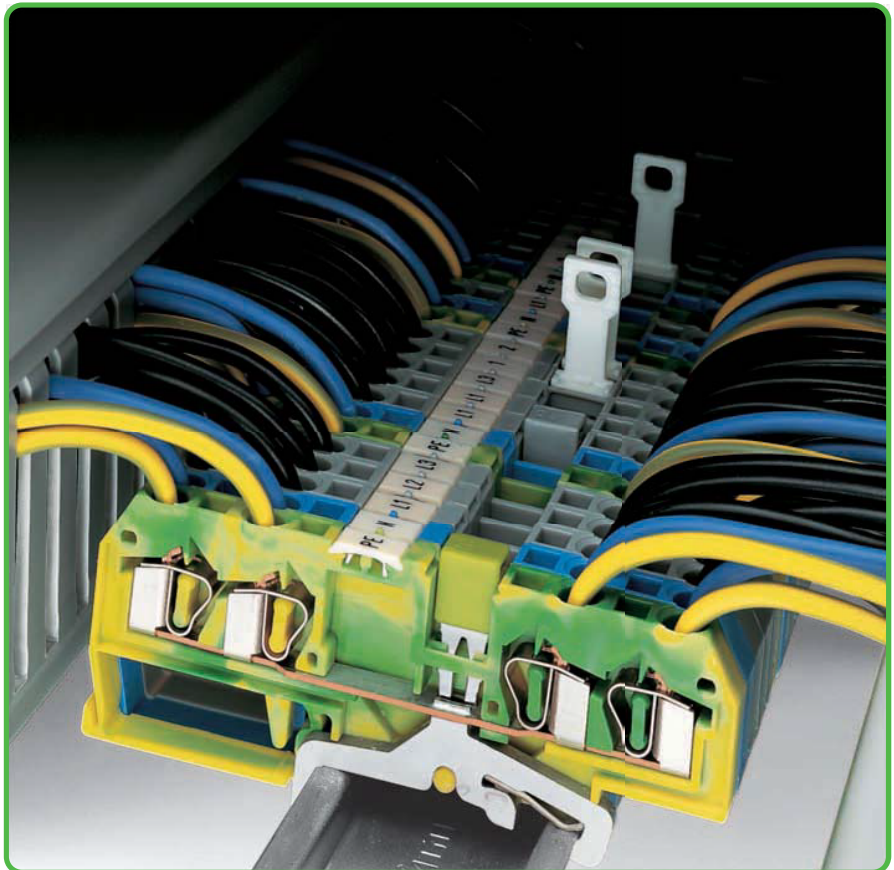
Commoning terminal blocks of different sizes – step down.  
For application notes, see page 178.

## Commoning

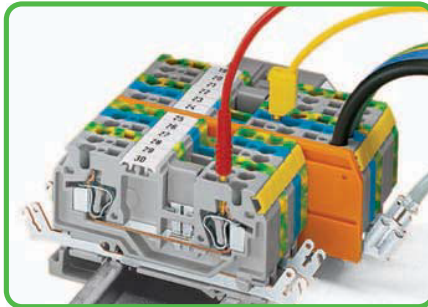


Staggered jumpers for sophisticated circuit requirements. Push jumpers down firmly until fully inserted. For additional notes, see page 201.

According to EN 60947-7-2 (VDE 0611, part 3), steel carrier rails shall not be used for PEN applications

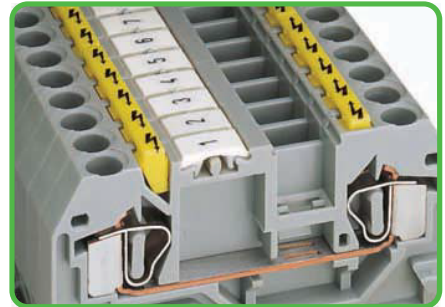


## Testing - 880 Series



880 Series terminal blocks have an additional test slot for 2 mm Ø or 2.3 mm Ø test plugs.

## Protective warning marker



Protective warning markers inserted into the operating slots.

**CAGE CLAMP®**  
clamps the following  
copper conductors:\*

solid

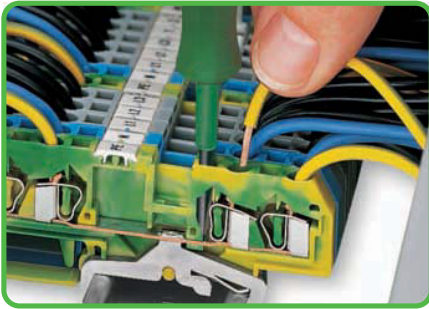
stranded

fine-stranded,  
also with tinned  
single strands

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

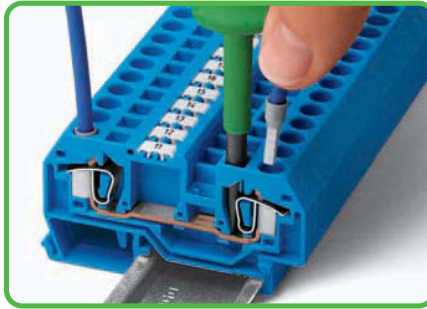
- Description and Handling -

CAGE CLAMP® connection



Conductor termination

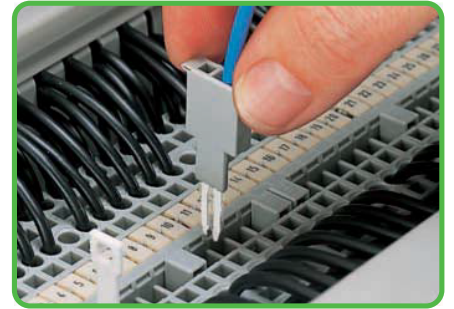
CAGE CLAMP® connection



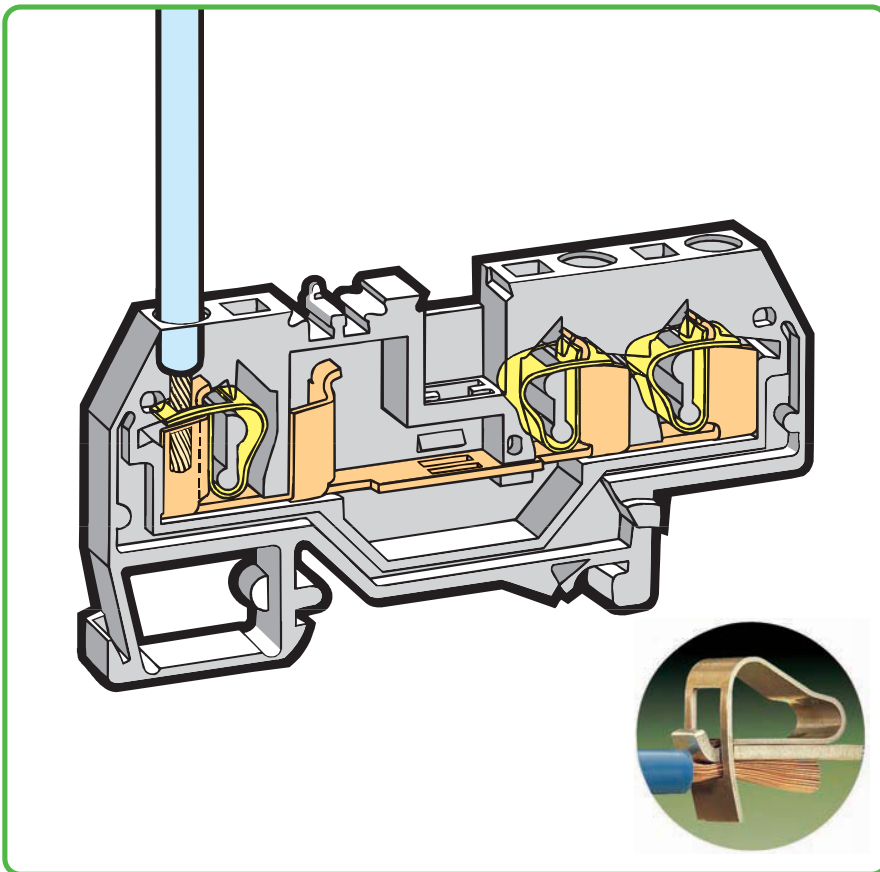
Conductor termination

❶ When using ferruled conductors, it is necessary to use a terminal block one size larger than the nominal cross section of the wire.

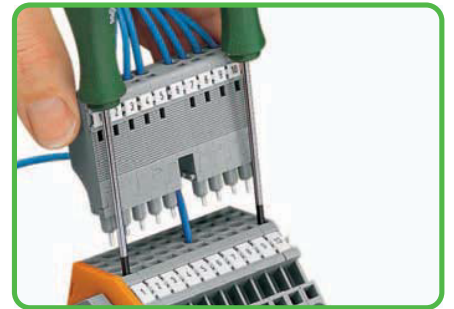
Testing



Testing with test plug.  
Test plug fitted with CAGE CLAMP®.

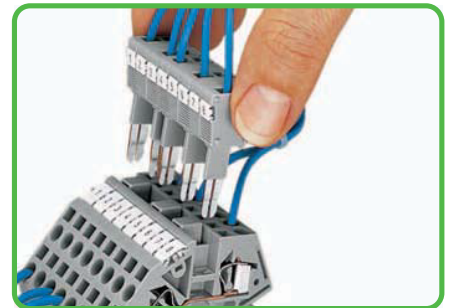


Testing



L-type test plug modules fitted with CAGE CLAMP®.  
For application notes, see page 194.

Testing



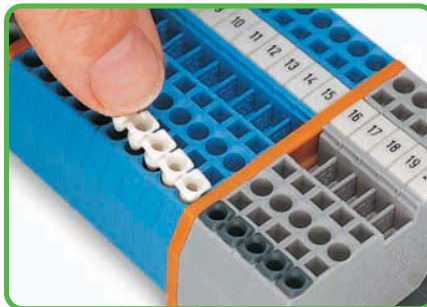
B-type test plug modules fitted with CAGE CLAMP®.  
For application notes, see page 195.

Marking



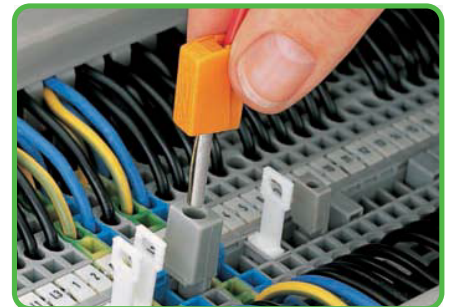
Marking with WMB Multi marking system.  
For additional systems, see Section 13.

Insulation stop



Insertion of insulation stop.  
For application notes, see page 199.

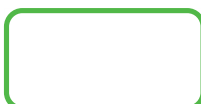
Testing



Testing with test plug.  
Using 209-170 test plug adapter.



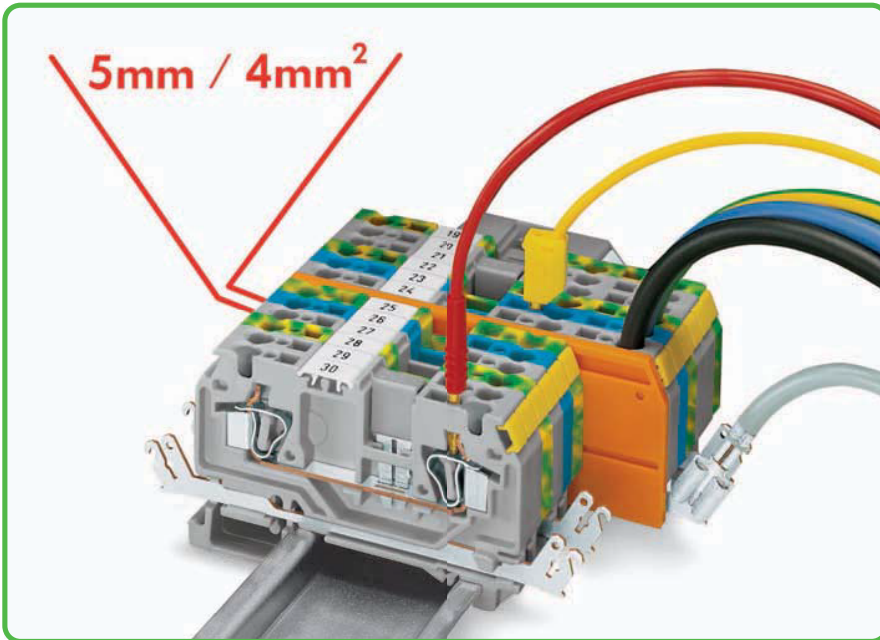
fine-stranded,  
tip-bonded



fine-stranded,  
with ferrule ❶  
(gastight crimped)



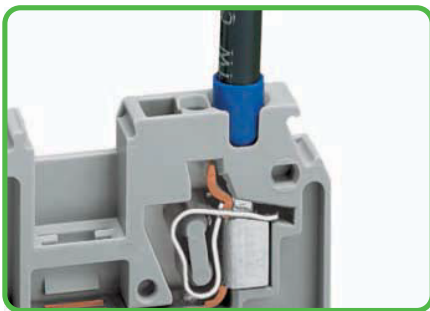
fine-stranded,  
with pin terminal  
(gastight crimped)



With/without shield contact




### Features

- 2-, 3- and 4-conductor terminal blocks, only 5 mm/0.197 in wide
- Conductor cross section up to 4 mm<sup>2</sup> (per VDE 0281), or \* AWG 12 with ferrule (Item No. 216-206)
- \* 2.5 mm<sup>2</sup>/AWG 14 with rubber-insulated conductors having a diameter up to 4.4 mm (0.173 in)
- Shield contact, solder contact /quick-connect contact 6.3 [2 x 2.8] mm
- Test plug, red, 2 mm Ø
- Test plug, yellow, 2.3 mm Ø
- WMB marking
- Miniature WSB marking, on both sides
- Commoning with standard WAGO jumper system



Using a AWG 12 cable with ferrule (Item No. 216-206)












- 1 800 V = rated voltage  
8 kV = rated surge voltage  
3 = pollution degree

 600 V/20 A with shield contact  
 400 V/6 kV/3  
 300 V/10 A (also see Section 14)

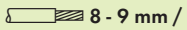

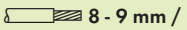

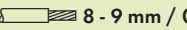
- 2 Strip length, see packaging or instructions.
- 3 Suitable for Ex i applications
- 4 See application notes for:  
Test plug modules, pages 194 - 196  
Banana plug, page 198  
Insulation stop, page 199  
Comb-style jumper bar, page 200  
Operating tool, page 200  
Staggered jumper, page 201  
Push-in type wire jumper, page 201

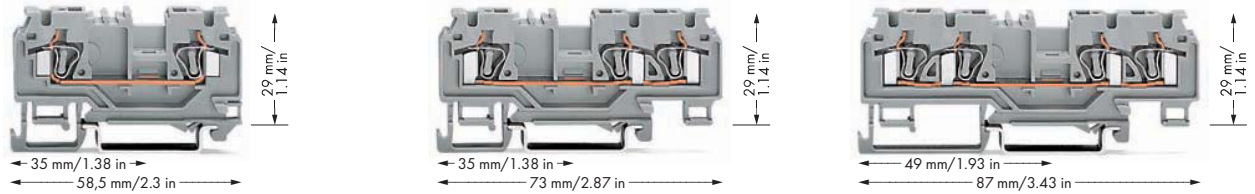


### 880 Series Accessories

	Test plug, with 500 mm cable, 2.3 mm Ø yellow	<b>210-137</b>	50
	Test plug, with 500 mm cable, 2 mm Ø red	<b>210-136</b>	50
	Test plug adapter, 5 mm wide, for terminal blocks 1.5 - 4 mm <sup>2</sup> , for 210-137 test plug 2.3 mm Ø gray	<b>280-404</b>	100 (4x25)
	Test plug adapter, 8.3 mm wide, for terminal blocks 1.5 - 10 mm <sup>2</sup> , for test plug 4 mm Ø gray	<b>209-170</b>	50 (2x25)
	Banana plug, for socket 4 mm Ø, color mixed	<b>215-111</b>	50
	Test plug adapter, 6 mm wide, with CAGE CLAMP®, for 0.08 - 2.5 mm <sup>2</sup> I <sub>N</sub> 24 A	<b>281-407</b>	100 (4x25)
	WMB Inline, plain, stretchable 5 - 5.2 mm, 1,500 WMB markers, 5 mm, on roll white	<b>2009-115</b>	1
	WMB Multi marking system, 10 strips with 10 markers per card, stretchable 5 - 5.2 mm plain	<b>793-5501</b>	5
	Miniature WSB Quick marking system, 10 strips with 10 markers per card, 5 mm wide markers plain	<b>248-501</b>	5
	Screwless end stop, for DIN 35 rail, 6 mm wide gray	<b>249-116</b>	100 (4x25)
	Screwless end stop, for DIN 35 rail, 10 mm wide gray	<b>249-117</b>	50 (2x25)

# Through and Ground Conductor Terminal Blocks 4 mm<sup>2</sup>, Terminal Block Width 5 mm Suited for Specialty Conductors AWG 12 with 216-206 Ferrule, 880 Series
















<b>0.08 - 4 mm<sup>2</sup></b> 800 V/8 kV/3 ① I <sub>N</sub> 25 A Terminal block width 5 mm / 0.197 in  8 - 9 mm / 0.33 in ②	<b>AWG 28 - 12</b> 600 V, 20 A, 	<b>0.08 - 4 mm<sup>2</sup></b> 800 V/8 kV/3 ① I <sub>N</sub> 25 A Terminal block width 5 mm / 0.197 in  8 - 9 mm / 0.33 in ②	<b>AWG 28 - 12</b> 600 V, 20 A, 	<b>0.08 - 4 mm<sup>2</sup></b> 800 V/8 kV/3 ① I <sub>N</sub> 20 A Terminal block width 5 mm / 0.197 in  8 - 9 mm / 0.33 in ②	<b>AWG 28 - 12</b>
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Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
<b>2-conductor through terminal block without shield contact</b>		<b>3-conductor through terminal block without shield contact</b>		<b>4-conductor through terminal block without shield contact</b>	
gray	880-901/999-940 100	gray	880-681/999-940 100	gray	880-831/999-940 50
blue	880-904/999-940 ③ 100	blue	880-684/999-940 ③ 100	blue	880-834/999-940 ③ 50
orange	880-902/999-940 100	orange	880-682/999-940 100	orange	880-832/999-940 50
<b>2-conductor through terminal block with shield contact on request</b>		<b>3-conductor through terminal block with shield contact on request</b>			
<b>2-conductor ground terminal block</b>		<b>3-conductor ground terminal block</b>		<b>4-conductor ground terminal block</b>	
green-yellow	880-907/999-940 100	green-yellow	880-687/999-940 100	green-yellow	880-837/999-940 50
<b>Item-Specific Accessories</b>		<b>Item-Specific Accessories</b>		<b>Item-Specific Accessories</b>	
<b>End and intermediate plate, 2.5 mm thick</b>		<b>End and intermediate plate, 2.5 mm thick</b>		<b>End and intermediate plate, 2.5 mm thick</b>	
orange	880-328 100 (4x25)	orange	880-339 100 (4x25)	orange	880-346 100 (4x25)
gray	880-325 100 (4x25)	gray	880-308 100 (4x25)	gray	880-344 100 (4x25)
<b>Separator, oversized, 2 mm thick</b>		<b>Separator, oversized, 2 mm thick</b>		<b>Separator, oversized, 2 mm thick</b>	
orange	880-329 100 (4x25)	orange	880-340 100 (4x25)	orange	880-347 100 (4x25)
gray	880-326 100 (4x25)	gray	880-309 100 (4x25)	gray	880-345 100 (4x25)

### 880 Series Accessories

Appropriate marking systems: WMB/WMB Inline/Miniature WSB/WFB (see Section 13)

<b>Insulation stop,</b>  5 pcs/strip, 0.08 - 0.2 mm <sup>2</sup> "s" (0.14 mm <sup>2</sup> "Fst") white <b>280-470</b> 200 (8x25)	<b>Staggered jumper,</b>  ④ insulated, width 5 mm/0.197 in, I <sub>N</sub> 24 A from 1 to 2 <b>780-452</b> 100 (4x25) from 1 to 3 <b>780-453</b> 100 (4x25) from 1 to 4 <b>780-454</b> 100 (4x25) from 1 to 5 <b>780-455</b> 50 (2x25) from 1 to 6 <b>780-456</b> 50 (2x25) from 1 to 7 <b>780-457</b> 50 (2x25) from 1 to 8 <b>780-458</b> 50 (2x25)	<b>Comb-style jumper bar, insulated,</b>  I <sub>N</sub> = I <sub>N</sub> terminal block 10-way <b>280-490</b> 50 (2x25)
<b>Insulation stop,</b>  ④ 5 pcs/strip, 0.25 - 0.5 mm <sup>2</sup> light gray <b>280-471</b> 200 (8x25)		<b>Alternate comb-style jumper bar,</b>  insulated, I <sub>N</sub> = I <sub>N</sub> terminal block 2-way <b>280-492</b> 200 (8x25)
<b>Insulation stop,</b>  ④ 5 pcs/strip, 0.75 - 1 mm <sup>2</sup> dark gray <b>280-472</b> 200 (8x25)		<b>Operating tool, of insulating material</b>  2-way <b>280-432</b> 1 3-way <b>280-433</b> 1
<b>Adjacent jumper, insulated,</b>  I <sub>N</sub> = I <sub>N</sub> terminal block gray <b>280-402</b> 200 (8x25) yellow-green <b>280-422</b> 200 (8x25)	<b>Push-in type wire jumper,</b>  ④ insulated, I <sub>N</sub> 9 A, wire size 0.75 mm <sup>2</sup> L = 60 mm <b>249-125</b> 10 L = 110 mm <b>249-126</b> 10 L = 250 mm <b>249-127</b> 10	<b>Operating tool, of insulating material</b>  10-way <b>280-440</b> 1
<b>Alternate jumper, insulated,</b>  I <sub>N</sub> = I <sub>N</sub> terminal block gray <b>280-409</b> 100 (4x25)		<b>Test plug module,</b>  ④ can be snapped together, 5 mm wide gray <b>280-418</b> 100 (4x25)
<b>Protective warning marker,</b>  with high-voltage symbol, black, for 5 terminal blocks yellow <b>280-415</b> 100 (4x25)	<b>Comb-style jumper bar, insulated,</b>  ④ I <sub>N</sub> = I <sub>N</sub> terminal block 2-way <b>280-482</b> 200 (8x25) 3-way <b>280-483</b> 200 (8x25)	<b>Spacer module,</b>  can be snapped together, 5 mm wide gray <b>280-419</b> 100 (4x25)

For list of approvals and user guide, see pages 634 to 637.