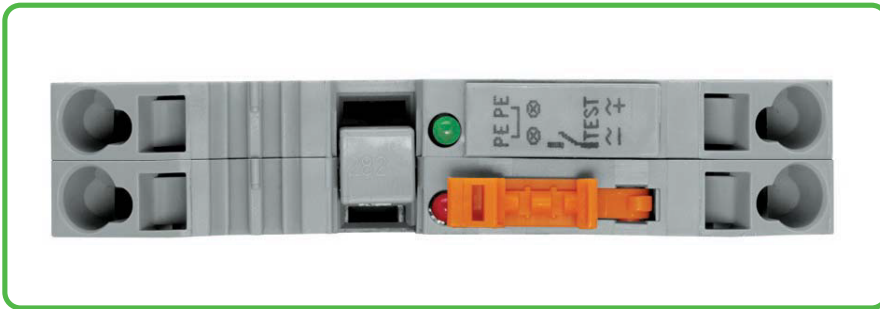
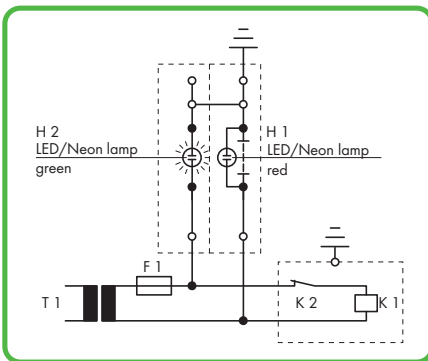


Disconnect and Ground Conductor Disconnect Terminal Blocks

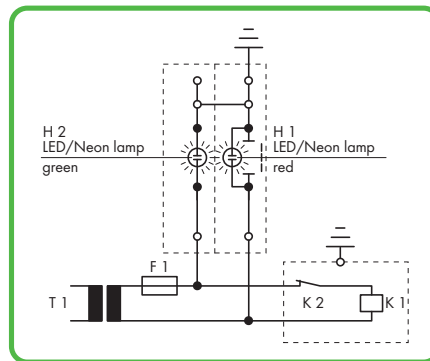


Ground conductor disconnect terminal block – top view

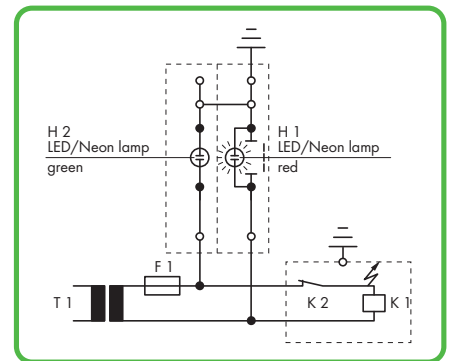
- ❶ 400 V/800 V = rated voltage
6 kV/8 kV = rated surge voltage
3 = pollution degree
(also see Section 14)
- ❷ Strip length, see packaging or instructions.



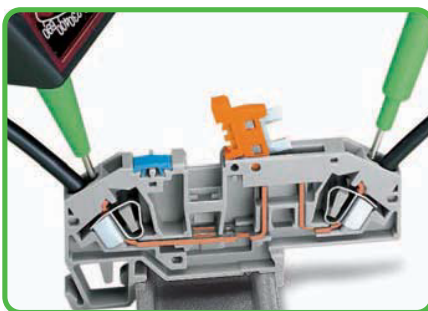
Operating condition
Slide link closed, auxiliary circuit grounded, green lamp illuminates.



Test condition – no grounding
Slide link open, auxiliary circuit not grounded.



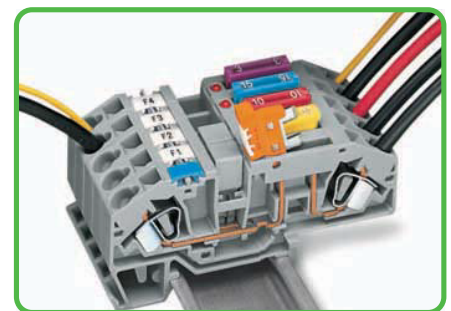
Test condition – grounding
Slide link open, auxiliary circuit not grounded, red lamp illuminates.



Testing via conductor entry.



Testing via or jumper contact position in current bar.



Supply via disconnect. All-pole disconnection of the commoned fuse terminal blocks.

IEC 60204/DIN VDE 0113 "Electrical equipment of industrial machines, part 1: General requirements" 9.4.3.1:

Ground faults on control circuits shall not cause unintentional starting, hazardous movements, or prevent stopping of the machine.

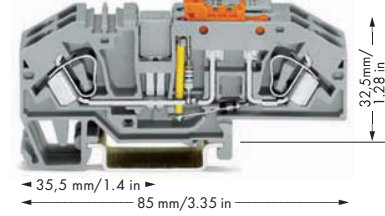
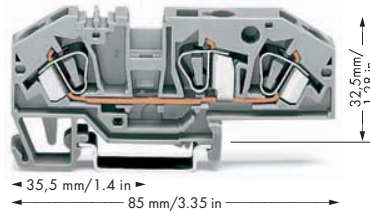
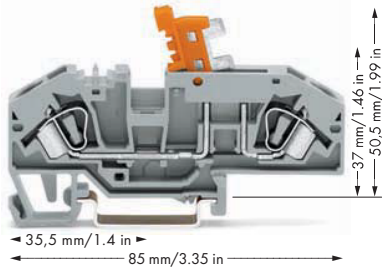
In order to fulfill this requirement, bonding to the protective bonding circuit shall be provided in accordance with 8.2 and the devices shall be connected as described in 9.1.4. Control circuits fed from a transformer and not connected to the protective bonding circuit shall be provided with an insulation monitoring device (e.g., residual current device) which either indicates a ground fault or interrupts the circuit automatically after a ground fault.

In the case of electronic circuits, the connection of one side of the control circuit to the protective bonding circuit in accordance with 9.1.4 can prevent unintentional operation. When this does not help, or if due to other reasons electronic circuits cannot be connected to the protective bonding circuit, other measures shall be taken to achieve the same level of safety.

Where the control circuit is directly connected between the phase conductors of the supply or between a phase conductor and a neutral conductor, which is either not grounded or grounded through a high impedance, multipole control switches which interrupt all live conductors shall be used for start or stop of those machine functions, which can cause a hazardous condition or damage to the machine or to the work in progress, in the event of unintentional starting or failure to stop.

Disconnect and Ground Conductor Disconnect Terminal Blocks 6 mm²/30 A and Through Terminal Blocks of Same Profile 282 Series

<p>0.2 - 6 mm² AWG 24 - 10 400 V/6 kV/3 ① 600 V, 30 A ② I_N 30 A 300 V, 36 A ③</p> <p>Terminal block width 8 mm / 0.315 in 12 - 13 mm / 0.49 in ②</p>	<p>0.2 - 6 mm² AWG 24 - 10 800 V/8 kV/3 ① 600 V, 30 A ② I_N 41 A 600 V, 40 A ③</p> <p>Terminal block width 8 mm / 0.315 in 12 - 13 mm / 0.49 in ②</p>	<p>0.2 - 6 mm² AWG 24 - 10</p> <p>Terminal block width 16 mm / 0.63 in 12 - 13 mm / 0.49 in ②</p>
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Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
2-conductor disconnect terminal block, with test point, orange disconnect link		3-conductor through terminal block, with test point, same profile as disconnect terminal blocks		Ground conductor disconnect terminal block, with test point, orange disconnect link, gray	
● gray	282-697 25	● gray	282-699 25	● 24 V	282-640 12
● blue	282-695 25	● blue	282-694 25	● 48 V	282-641 12
Other terminal blocks with the same profile: Through 282-699 Page 220		Other terminal blocks with the same profile: Disconnect 282-697 Page 220 Ground cond. disc. 282-640 Page 220 Fuse 282-696 Page 222		Other terminal blocks with the same profile: Through 282-699 Page 220	
Item-Specific Accessories			Item-Specific Accessories		
Adjacent jumper, insulated, I _N 41 A gray 282-402 100 (4x25)		Adjacent jumper, insulated, I _N 41 A gray 282-402 100 (4x25)			
Alternate jumper, insulated, I _N 41 A gray 282-409 100 (4x25)		Alternate jumper, insulated, I _N 41 A gray 282-409 100 (4x25)			
Test plug adapter, 8.3 mm wide, for terminal blocks 1.5 - 10 mm ² , for test plug 4 mm Ø gray 209-170 50 (2x25)		Test plug adapter, 8.3 mm wide, for terminal blocks 1.5 - 10 mm ² , for test plug 4 mm Ø gray 209-170 50 (2x25)			
Accessories					
Appropriate marking system: WMB (see Section 13)					
End plate, 2 mm thick orange 282-333 100 (4x25) gray 282-334 100 (4x25)					
Protective warning marker, with high-voltage symbol, black, for 5 terminal blocks yellow 282-405 100 (4x25)					
Screwless end stop, for DIN 35 rail, 6 mm wide gray 249-116 100 (4x25)					
Screwless end stop, for DIN 35 rail, 10 mm wide gray 249-117 50 (2x25)					

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