


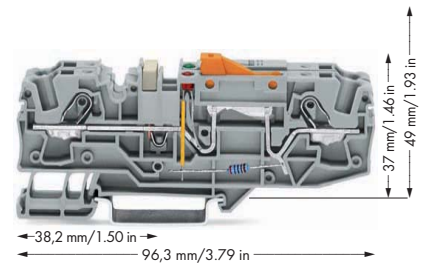
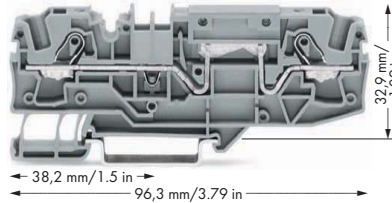
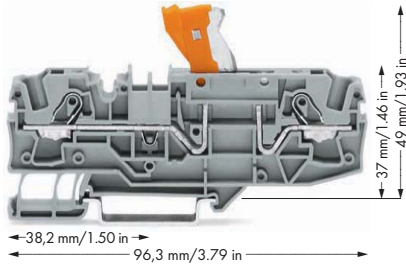






















Disconnect and Ground Conductor Disconnect Terminal Blocks 6 (10) mm² / 30 A and Through Terminal Blocks of Same Profile TOPJOB® - 2006 Series

| | | |
|--|--|---|
| <p>0.5 - 6 (10) mm² ① AWG 20 - 8 800 V/6 kV/3 ② I_N 30 A</p> <p>Terminal block width 7.5 mm / 0.295 in  13 - 15 mm / 0.55 in ③</p> | <p>0.5 - 6 (10) mm² ① AWG 20 - 8 800 V/6 kV/3 ② I_N 30 A</p> <p>Terminal block width 7.5 mm / 0.295 in  13 - 15 mm / 0.55 in ③</p> | <p>0.5 - 6 (10) mm² ① AWG 20 - 8</p> <p>Terminal block width 15 mm / 0.591 in  13 - 15 mm / 0.55 in ③</p> |
|--|--|---|



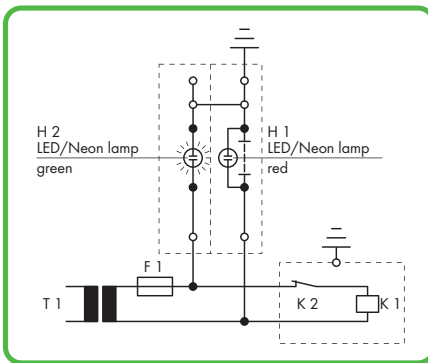
| Item No. | Pack. Unit | Item No. | Pack. Unit | Item No. | Pack. Unit |
|--|------------|---|------------|--|------------|
| 2-conductor disconnect terminal block, with test point, orange disconnect link gray 2006-1671  25 blue 2006-1674  25 | | 2-conductor through terminal block, with test point, same profile as 2-conductor disconnect terminal block gray 2006-1601  25 blue 2006-1604  25 | | Ground conductor disconnect terminal block, with test point, orange disconnect link, gray AC/DC 24 V 2006-1671/1000-848  12 AC/DC 48 V 2006-1671/1000-849  12 AC/DC 120 V 2006-1671/1000-850  12 AC/DC 230 V 2006-1671/1000-851  12 | |
| Other terminal blocks with the same profile: Through 2006-1601 Page 86 | | Other terminal blocks with the same profile: Disconnect 2006-1671 Page 86 Ground cond. disc. 2006-1671/1000-848 Page 86 Fuse 2006-1681 Page 88 | | Other terminal blocks with the same profile: Through 2006-1601 Page 86 | |
| Item-Specific Accessories Push-in type jumper bar, insulated,  I _N 41 A, light gray 2-way 2006-402 50 (2x25) 3-way 2006-403 50 (2x25) 4-way 2006-404 50 (2x25) 5-way 2006-405 50 (2x25) | | Item-Specific Accessories Push-in type jumper bar, insulated,  I _N 41 A, light gray 2-way 2006-402 50 (2x25) 3-way 2006-403 50 (2x25) 4-way 2006-404 50 (2x25) 5-way 2006-405 50 (2x25) | | Item-Specific Accessories Push-in type jumper bar, insulated,  I _N 41 A, light gray 2-way 2006-402 50 (2x25) | |
| Push-in type jumper bar, insulated,  I _N 41 A, light gray 1 - 3 2006-433 50 (2x25) 1 - 4 2006-434 50 (2x25) 1 - 5 2006-435 50 (2x25) | | Push-in type jumper bar, insulated,  I _N 41 A, light gray 1 - 3 2006-433 50 (2x25) 1 - 4 2006-434 50 (2x25) 1 - 5 2006-435 50 (2x25) | | | |
| 2006 Series Accessories Appropriate marking systems: WMB/Marking strips (see Section 13) | | | | | |
| End and intermediate plate, 1 mm thick  orange 2006-1692 100 (4x25) gray 2006-1691 100 (4x25) | | Double-deck marker carrier,  pivoting gray 2002-121 50 (2x25) | | | |
| 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, stretchable 5 - 5.2 mm plain 793-5501 5 | | | |
| Screwless end stop,  for DIN 35 rail, 6 mm/0.236 in wide gray 249-116 100 (4x25) | | Marking strip, plain,  11 mm wide, 50 m roll white 2009-110 1 | | | |
| Screwless end stop,  for DIN 35 rail, 10 mm/0.394 in wide gray 249-117 50 (2x25) | | | | | |

Disconnect and Ground Conductor Disconnect Terminal Blocks

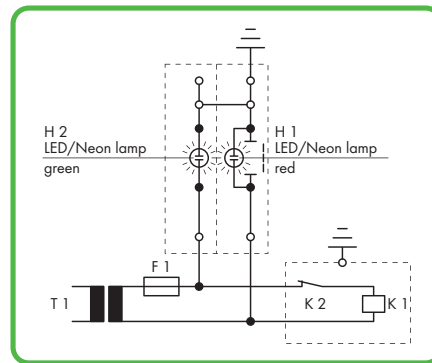


Ground conductor disconnect terminal block – top view

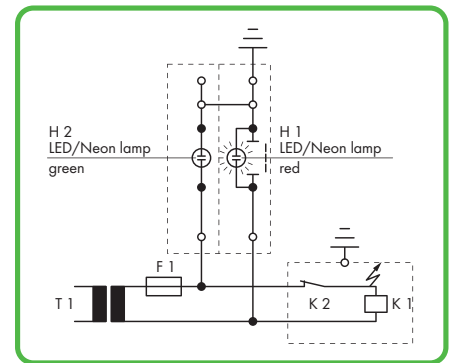
- 1 Conductor sizes: 0.5 mm² – 10 mm² "s + f-st";
Push-in conductor sizes: 1 mm² – 10 mm² "s"
and 1.5 mm² – 6 mm²
"insulated ferrule, 12 mm"
- 2 800 V = rated voltage
8 kV = rated surge voltage
3 = pollution degree
(also see Section 14)
- 3 Strip length, see packaging or instructions.



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.



Terminal block assembly including:
Through terminal blocks
N-conductor disconnect terminal blocks
Fuse terminal blocks for mini-automotive fuses

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 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 an 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.

Multipole control switches which interrupt all live conductors shall be used 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.

This is required for starting or stopping those machine functions, which can cause a hazardous situation including: damaging the machine or halting the work in progress, in the event of unintentional starting or failure to stop.