

| | | |
|----------------------|------|--------------------|
| Pozidriv screwdriver | Size | 2 |
| Standard screwdriver | mm | 0.8 x 5.5 1 x 6 |

Main conducting paths

| | | | |
|--|----------------|------|-------|
| Rated impulse withstand voltage | U_{imp} | V AC | 8000 |
| Overvoltage category/pollution degree | | | III/3 |
| Rated insulation voltage | U_i | V AC | 690 |
| Rated operational voltage | U_e | V AC | 690 |
| Safe isolation to EN 61140 | | | |
| between coil and contacts | | V AC | 400 |
| between the contacts | | V AC | 400 |
| Making capacity (p.f. to IEC/EN 60947) | | | |
| | U_p to 690 V | A | 112 |
| Breaking capacity | | | |
| 220 V 230 V | | A | 90 |
| 380 V 400 V | | A | 90 |
| 500 V | | A | 70 |
| 660 V 690 V | | A | 50 |
| Short-circuit rating | | | |
| Short-circuit protection maximum fuse | | | |
| Type "2" coordination | | | |
| 400 V | gG/gL 500 V | A | 20 |
| 690 V | gG/gL 690 V | A | 16 |
| Type "1" coordination | | | |
| 400 V | gG/gL 500 V | A | 35 |
| 690 V | gG/gL 690 V | A | 20 |

AC

| | | | |
|---|----------------|-----|-----|
| AC-1 | | | |
| Rated operational current | | | |
| Conventional free air thermal current, 3 pole, 50 - 60 Hz | | | |
| Open | | | |
| at 40 °C | $I_{th} = I_e$ | A | 22 |
| at 50 °C | $I_{th} = I_e$ | A | 21 |
| at 55 °C | $I_{th} = I_e$ | A | 21 |
| at 60 °C | $I_{th} = I_e$ | A | 20 |
| enclosed | I_{th} | A | 18 |
| Conventional free air thermal current, 1 pole | | | |
| open | I_{th} | A | 50 |
| enclosed | I_{th} | A | 45 |
| AC-3 | | | |
| Rated operational current | | | |
| Open, 3-pole: 50 – 60 Hz | | | |
| 220 V 230 V | I_e | A | 9 |
| 240 V | I_e | A | 9 |
| 380 V 400 V | I_e | A | 9 |
| 415 V | I_e | A | 9 |
| 440V | I_e | A | 9 |
| 500 V | I_e | A | 7 |
| 660 V 690 V | I_e | A | 5 |
| 380 V 400 V | I_e | A | 9 |
| Motor rating | P | kWh | |
| 220 V 230 V | P | kW | 2.5 |
| 240V | P | kW | 3 |
| 380 V 400 V | P | kW | 4 |
| 415 V | P | kW | 5.5 |

| | | | |
|--------------------------|----------------|-----|-----|
| 440 V | P | kW | 5.5 |
| 500 V | P | kW | 4.5 |
| 660 V 690 V | P | kW | 4.5 |
| AC-4 | | | |
| Open, 3-pole: 50 – 60 Hz | | | |
| 220 V 230 V | I _e | A | 6 |
| 240 V | I _e | A | 6 |
| 380 V 400 V | I _e | A | 6 |
| 415 V | I _e | A | 6 |
| 440 V | I _e | A | 6 |
| 500 V | I _e | A | 5 |
| 660 V 690 V | I _e | A | 4.5 |
| Motor rating | | | |
| 220 V 230 V | P | kWh | |
| 240 V | P | kW | 1.5 |
| 380 V 400 V | P | kW | 1.6 |
| 415 V | P | kW | 2.5 |
| 440 V | P | kW | 2.8 |
| 500 V | P | kW | 3 |
| 660 V 690 V | P | kW | 2.8 |
| 660 V 690 V | P | kW | 3.6 |

DC

| | | | |
|---------------------------------|----------------|---|-----|
| Rated operational current, open | | | |
| DC-1 | | | |
| 60 V | I _e | A | 20 |
| 110 V | I _e | A | 20 |
| 220 V | I _e | A | 15 |
| 440 V | I _e | A | 1.3 |
| DC-3 | | | |
| 60 V | I _e | A | 20 |
| 110 V | I _e | A | 20 |
| 220 V | I _e | A | 1.5 |
| 440 V | I _e | A | 0.2 |
| DC-5 | | | |
| 60 V | I _e | A | 20 |
| 110 V | I _e | A | 20 |
| 220 V | I _e | A | 1.5 |
| 440 V | I _e | A | 0.2 |

Current heat loss

| | | |
|---|----|-----|
| 3-pole at I _{th} | W | 2.7 |
| Current heat loss at I _e to AC-3/400 V | W | 0.6 |
| Impedance per pole | mΩ | 2.5 |

Magnet systems

| | | | |
|--|---|------------------|------------|
| Voltage tolerance | | | |
| AC operated | Pick-up | x U _c | 0.8 - 1.1 |
| Drop-out voltage AC operated | Drop-out | x U _c | 0.3 - 0.6 |
| DC operated | Pick-up | x U _c | 0.7 - 1.2 |
| DC operated | Drop-out | x U _c | 0.15 - 0.6 |
| Notes | at least smoothed two-phase bridge rectifier or three-phase rectifier | | |
| Power consumption of the coil in a cold state and 1.0 x U _c | | | |
| 50 Hz | Pick-up | VA | 24 |
| 50 Hz | Sealing | VA | 3.4 |
| 50 Hz | Sealing | W | 1.2 |
| 60 Hz | Pick-up | VA | 30 |
| 60 Hz | Sealing | VA | 4.4 |