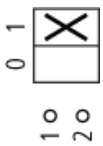
MOELLER

Type: **T0–1–8200/E–RT**
Article No.: **009474**
Sales text **ON–OFF–SWITCH**


| Ordering information | | | |
|---|---|---|---|
| Design | | | Flush mounting |
| Description | | | As Emergency–Stop device |
| Main conducting paths | | | |
| No. of poles | | M | 1 |
| Auxiliary contacts | | | |
| N/O = normally open contact | | N/O | 0 |
| N/C = normally closed contact | | B | 0 |
| Max. motor rating | | | |
| AC–23A 400/415 V 50–60 Hz | *P* | kW | 6.5 |
| Rated uninterrupted current | $I_u$ | A | 20 |

**Contact sequence**




| General | | | |
|---|---|---|---|
| Standards | | | IEC/EN 60947, VDE 0660, IEC/EN 60204, CSA, UL<br>Switch–disconnectors to IEC/EN 60947–3<br>Load–break switches to IEC/EN 60947–3 |
| Lifespan, mechanical | Operations | × $10^6$ | 1 |
| Maximum operating frequency | Operations/h | | 3000 |

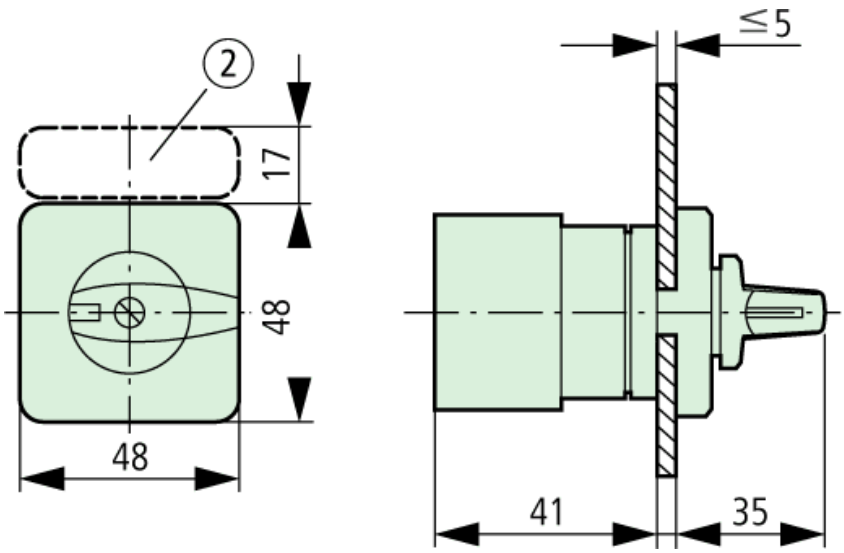
| | | | |
|---|---|---|---|
| Climatic proofing | | | Damp heat, constant, to IEC 60068–2–78; Damp heat, cyclical, to IEC 60068–2–30 |
| Ambient temperature | | | |
| Open | | °C | –25...50 |
| Enclosed | | °C | –25...40 |
| Mounting position | | | As required |
| Mechanical shock resistance to IEC 60068–2–27 | Half–sinusoidal shock 20 ms | g | > 15 |
| **Contacts** | | | |
| Rated operational voltage | $U_e$ | V AC | 690 |
| Rated impulse withstand voltage | $U_{imp}$ | V AC | 6000 |
| Overvoltage category/pollution degree | | | III/3 |
| Rated uninterrupted current | | | |
| open | $I_u$ | A | 20 |
| Enclosed | $I_u$ | A | 20 |
| Load rating with intermittent operation, class 12 | | | |
| AB 25 % DF | | × $I_e$ | 2 |
| AB 40 % DF | | × $I_e$ | 1,6 |
| AB 60 % DF | | × $I_e$ | 1,3 |
| Short–circuit rating | | | |
| Fuse | | A gG/gL | 20 |
| Rated short–time withstand current (1 s current) | $I_{cw}$ | $A_{rms}$ | 320 |
| Safe isolation to VDE 0106 Part 101 and Part 101/A1 | | | |
| between the contacts | | V AC | 440 |
| Switching angles | | ° | 90<br>60<br>45<br>30 |
| Contact units | | | 11 |
| Double–break contacts | | | max. 22 |
| Current heat loss per contact at $I_e$ | | W | 0,6 |
| **Terminal capacities** | | | |
| Solid or stranded | | $mm^2$ | 1 × (1 – 2.5)<br>2 × (1 – 2.5) |
| Flexible with ferrule to DIN 46228 | | $mm^2$ | 1 × (0.75 – 1.5)<br>2 × (0.75 – 1.5) |

| | | | |
|---|---|---|---|
| Terminal screw | | | M3.5 |
| Tightening torque | | Nm | 1 |
| **Switching capacity** | | | |
| AC | | | |
| Rated making capacity cos = 0.35 | | A | 130 |
| Rated breaking capacity, motor load switch cos = 0.35 | | | |
| 230 V | | A | 100 |
| 400 V | | A | 110 |
| 500 V | | A | 80 |
| 690 V | | A | 60 |
| Rated operational current 440 V load–break switch AC–21A | $I_e$ | A | 20 |
| AC–3 motor load switch motor rating | | | |
| 230 V | *P* | kW | 1 |
| 230 V Star–delta | *P* | kW | 4 |
| 400 V | *P* | kW | 1,3 |
| 400 V Star–delta | *P* | kW | 5,5 |
| 500 V | *P* | kW | 5,5 |
| 500 V Star–delta | *P* | kW | 7,5 |
| 690 V | *P* | kW | 4 |
| 690 V Star–delta | *P* | kW | 5,5 |
| AC–23A Motor load switches (main switches maintenance switches) | | | |
| 230 V | *P* | kW | 3,5 |
| 400 V | *P* | kW | 6,5 |
| 500 V | *P* | kW | 13 |
| Rated operational current control switch AC–15 | | | |
| 230 V | $I_e$ | A | 6 |
| 400 V | $I_e$ | A | 4 |
| 500 V | $I_e$ | A | 2 |
| DC | | | |
| DC–1, Load–break switches L/R = 1 ms | | | |
| Rated operational current | $I_e$ | A | 10 |
| Voltage per contact pair in series | | V | 60 |

| | | | |
|---|---|---|---|
| DC–21A | | | |
| Rated operational current 240 V | $I_e$ | A | 1 |
| 240 V Contacts | | Quantity | 1 |
| DC–23A, motor load switch L/R = 15 ms | | | |
| 24 V | | | |
| Rated operational current | $I_e$ | A | 10 |
| Contacts | | Quantity | 1 |
| 48 V | | | |
| Rated operational current | $I_e$ | A | 10 |
| Contacts | | Quantity | 2 |
| 60 V | | | |
| Rated operational current | $I_e$ | A | 10 |
| Contacts | | Quantity | 3 |
| 120 V | | | |
| Rated operational current | $I_e$ | A | 5 |
| Contacts | | Quantity | 3 |
| 240 V | | | |
| Rated operational current | $I_e$ | A | 5 |
| Contacts | | Quantity | 5 |
| DC–13, Control switches L/R = 50 ms | | | |
| Rated operational current | $I_e$ | A | 10 |
| Voltage per contact pair in series | | V | 32 |
| Control circuit reliability at 24 V DC, 10 mA | Fault probability | $H_F$ | $< 10^{-5}$, < 1 fault in 100000 operations |
| **Notes** | | | |
| **Notes** | | | For mechanical shock resistance: T3.../I... >12g<br>Applies to T0(3).../SVB: isolating characteristics to IEC/EN 60947 *U*for rated operational voltage up to 500 V AC<br>Applies to rated uninterrupted current $I_u$ of the contact: with T5–4–8344/I5 max. 95 A<br>For terminal capacity solid, stranded and flexible: T0(3), (6), (8)...: Maximum of 2 cross–section sizes difference admissible |

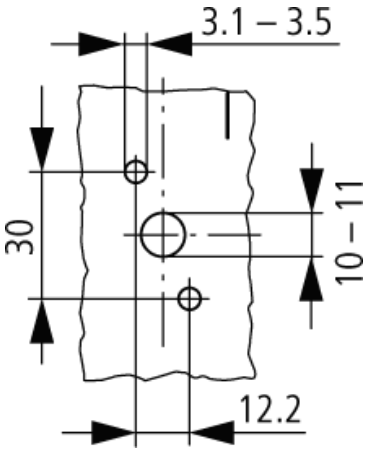
| | | | |
|---|---|---|---|
| | | | between 2 conductors<br>T5(B)–...: Maximum of 1 cross–section size difference admissible between 2 conductors<br>For type T8–3–8342/... the following applies: switching angle = 90° and flat connection = 1 busbar 25 × 5 or 2 busbars 20 × 3 |

**Dimensions**



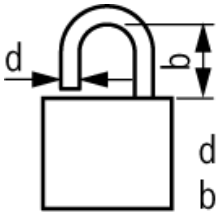

not included
Depth of one contact unit: 9.5 mm

**Dimensions**



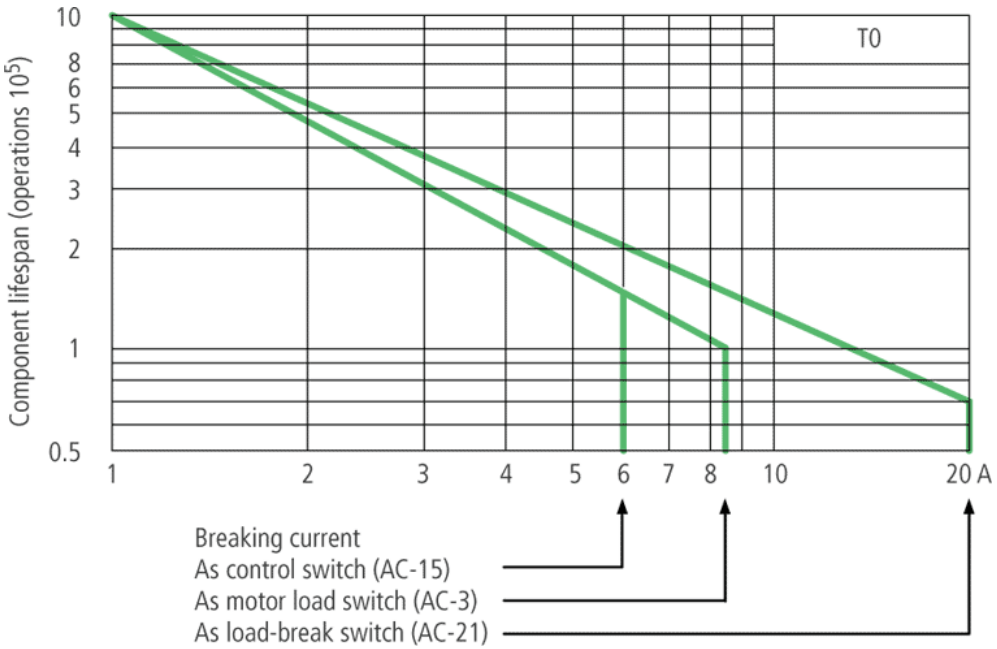

Diameter of drilled hole Door

**Dimensions**




d = 4 – 8 mm
b + d ≦ 47 mm

**Characteristic curve**




For utilisation category AC–4 (extreme load: 100 % inching, reversing or plugging)
The blocked rotor current of the motor should not exceed the rated current of the switch for AC–21A to ensure a reasonable device lifespan.

Moeller GmbH, Hein–Moeller–Str. 7–11, D–53115 Bonn
E–Mail: catalog@moeller.net, Internet: www.moeller.net, http://catalog.moeller.net