



Main switchSurface mounting

Part no. T0-2-1/I1/SVB
Article no. 207147

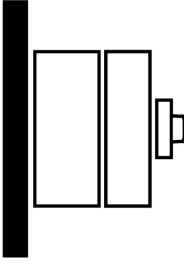
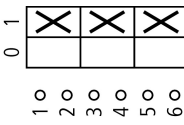
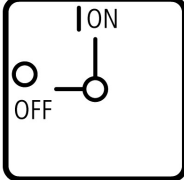
Catalog No. CT02-1-I1CRQ



Powering Business Worldwide™

IP65

Delivery programme

| | | | |
|-----------------------|--|-----|---|
| Product range | | | Switch-disconnectors |
| Basic function | | | Main switches Maintenance switches Manual override switches |
| Part group reference | | | T0 |
| Design | | | Surface mounting |
| | | |  |
| Protection type | | | IP65 |
| | | | <div>totally insulated</div> |
| Emergency stop | | | As an emergency switching off/emergency stop device |
| | | | With red rotary handle and yellow locking ring |
| Standards | | | According to IEC/EN 60204-1, VDE 0113 Part 1 |
| Locking facility | | | Lockable in the 0 (Off) position |
| | | | without auxiliary contacts |
| Contact sequence | | |  |
| Front plate no. | | |  FS 908 |
| Main conducting paths | | | |
| No. of poles | | M | 3 |
| Auxiliary contacts | | | |
| | | N/O | 0 |
| | | B | 0 |
| | | | |
| Max. motor rating | | | |
| AC-23A | | | |

| | | | |
|-----------------------------|----------------|----|-----|
| 400/415 V 50-60 Hz | P | kW | 6.5 |
| Rated uninterrupted current | I _u | A | 20 |

General

| | | | |
|---|-----------------------------|----------------------|--|
| Standards | | | IEC/EN 60947, VDE 0660, IEC/EN 60204, CSA, UL Switch-disconnectors to IEC/EN 60947-3 Load-break switches to IEC/EN 60947-3 |
| Lifespan, mechanical | Operations | x 10 ⁶ | 0.4 |
| 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 | | °C | |
| 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 | I _u | A | |
| open | I _u | A | 20 |
| Enclosed | I _u | A | 20 |
| Load rating with intermittent operation, class 12 | | | |
| AB 25 % DF | | x I _e | 2 |
| AB 40 % DF | | x I _e | 1.6 |
| AB 60 % DF | | x 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 EN 61140 | | | |
| between the contacts | | V AC | 440 |
| Switching angles | | ° | 90 60 45 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 x (1 - 2.5) 2 x (1 - 2.5) |
| Flexible with ferrules to DIN 46228 | | mm ² | |
| Flexible with ferrule | | mm ² | 1 x (0.75 - 1.5) 2 x (0.75 - 1.5) |
| Terminal screw | | | M3.5 |
| Tightening torque | | Nm | 1 |

Switching capacity

| | | | |
|---|--|------------------|-----|
| AC | | x U _s | |
| Rated making capacity cos φ = 0.35 | | A | 130 |
| Rated breaking capacity, motor load switch cos φ = 0.35 | | A | |
| 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 |
| Rating, AC-3 motor load switch | P | kW | |
| 220 V 230 V | P | kW | 3 |
| 230 V Star-delta | P | kW | 4 |
| 380 V 400 V | P | kW | 4 |
| 400 V Star-delta | P | kW | 5.5 |
| 500 V | P | kW | 5.5 |
| 500 V Star-delta | P | kW | 7.5 |
| 660 V 690 V | P | kW | 4 |
| 690 V Star-delta | P | kW | 5.5 |
| AC-23A Motor load switches (main switches maintenance switches) | P | kW | |
| 230 V | P | kW | 3.5 |
| 400 V | P | kW | 6.5 |
| 500 V | P | kW | 7.5 |
| Rated operational current control switch AC-15 | | | |
| 220 V 230 V 240 V | I _e | A | 6 |
| 380 V 400 V 415 V | I _e | A | 4 |
| 500 V | I _e | A | 2 |
| DC | | x U _s | |
| 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 | I _e | A | |
| 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 |

Auxiliary contacts

Standards

According to IEC/EN 60204-1, VDE 0113 Part 1

Notes

Notes Isolating characteristics as specified in IEC/EN 60947 for rated operating voltage U_e of up to 500 VAC

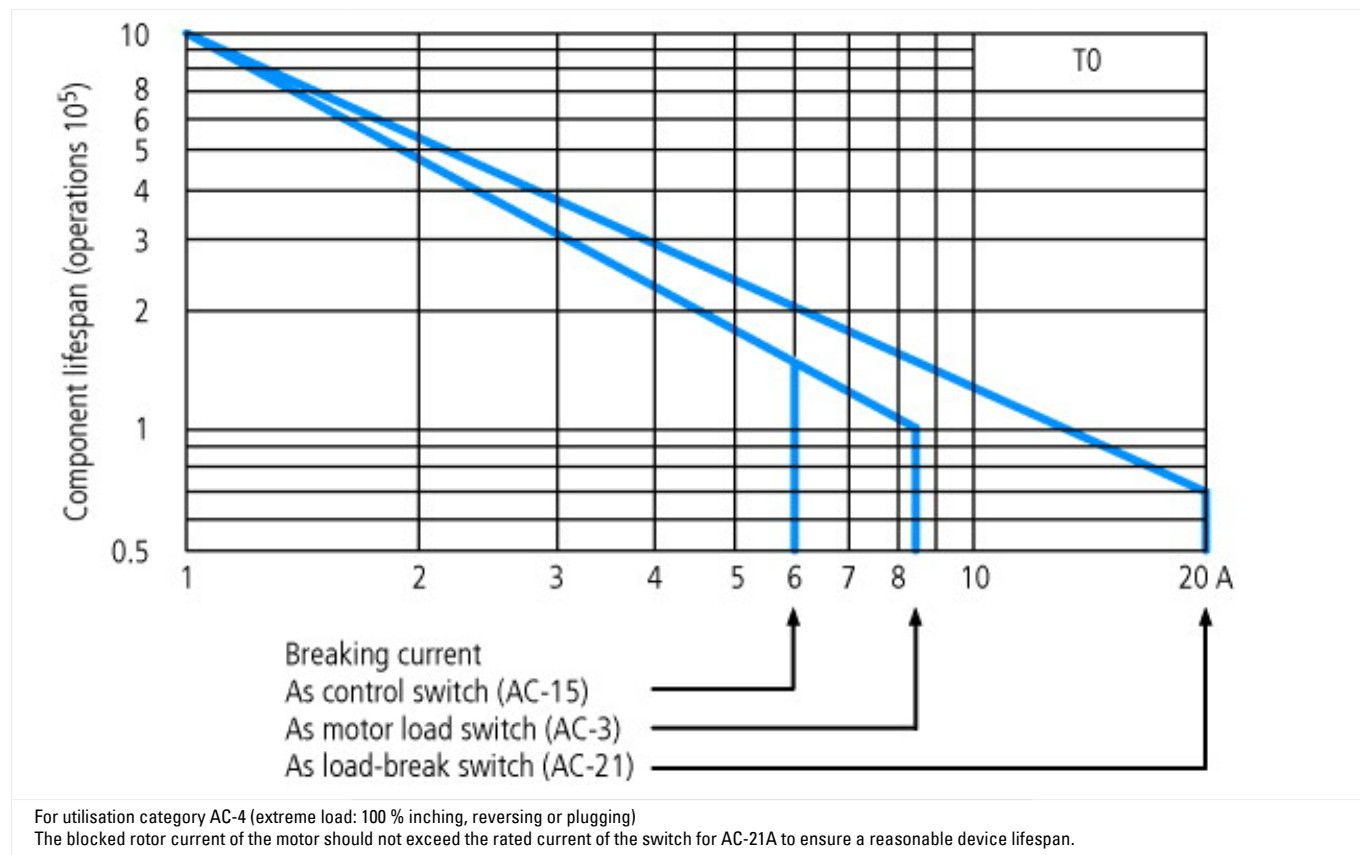
The following applies for solid, multiwire, and flexible terminal capacities:

If 2 conductors are being used, a max. difference of 2 cross-section categories is permissible

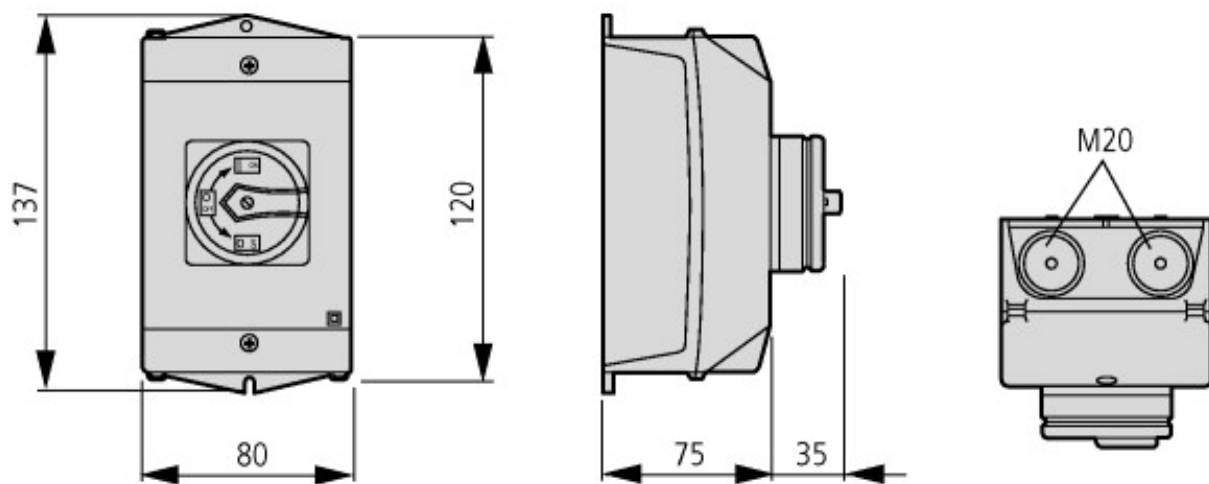
Technical data ETIM 4.0

| | | | |
|---|--|----|----------------------------|
| Version as switch disconnecter compact | | | No |
| Version as main switch | | | Yes |
| Version as maintenance-/service switch | | | Yes |
| Version as safety switch | | | No |
| Version as emergency stop installation | | | Yes |
| Max. rated operation voltage Ue AC | | V | 690 |
| Rated permanent current Iu | | A | 20 |
| Rated operation power AC-3, 400 V | | kW | 4 |
| Rated operation power at AC-23, 400V | | kW | 6,5 |
| Conditioned rated short-circuit current Iq | | kA | 0 |
| Number of poles | | | 3 |
| Number of auxiliary contacts as normally closed contact | | | 0 |
| Number of auxiliary contacts as normally open contact | | | 0 |
| Number of auxiliary contacts as change-over contact | | | 0 |
| Motor drive optional | | | No |
| Motor drive integrated | | | No |
| Voltage release optional | | | No |
| Device construction | | | Complete device in housing |
| Suitable for ground mounting | | | Yes |
| Suitable for front mounting | | | No |
| Suitable for front mounting center | | | No |
| Suitable for distribution board installation | | | No |
| Suitable for intermediate mounting | | | No |
| Type of control element | | | - |
| Interlockable | | | Yes |
| Connection type main current circuit | | | Screw connection |
| Degree of protection (IP), front side | | | IP65 |

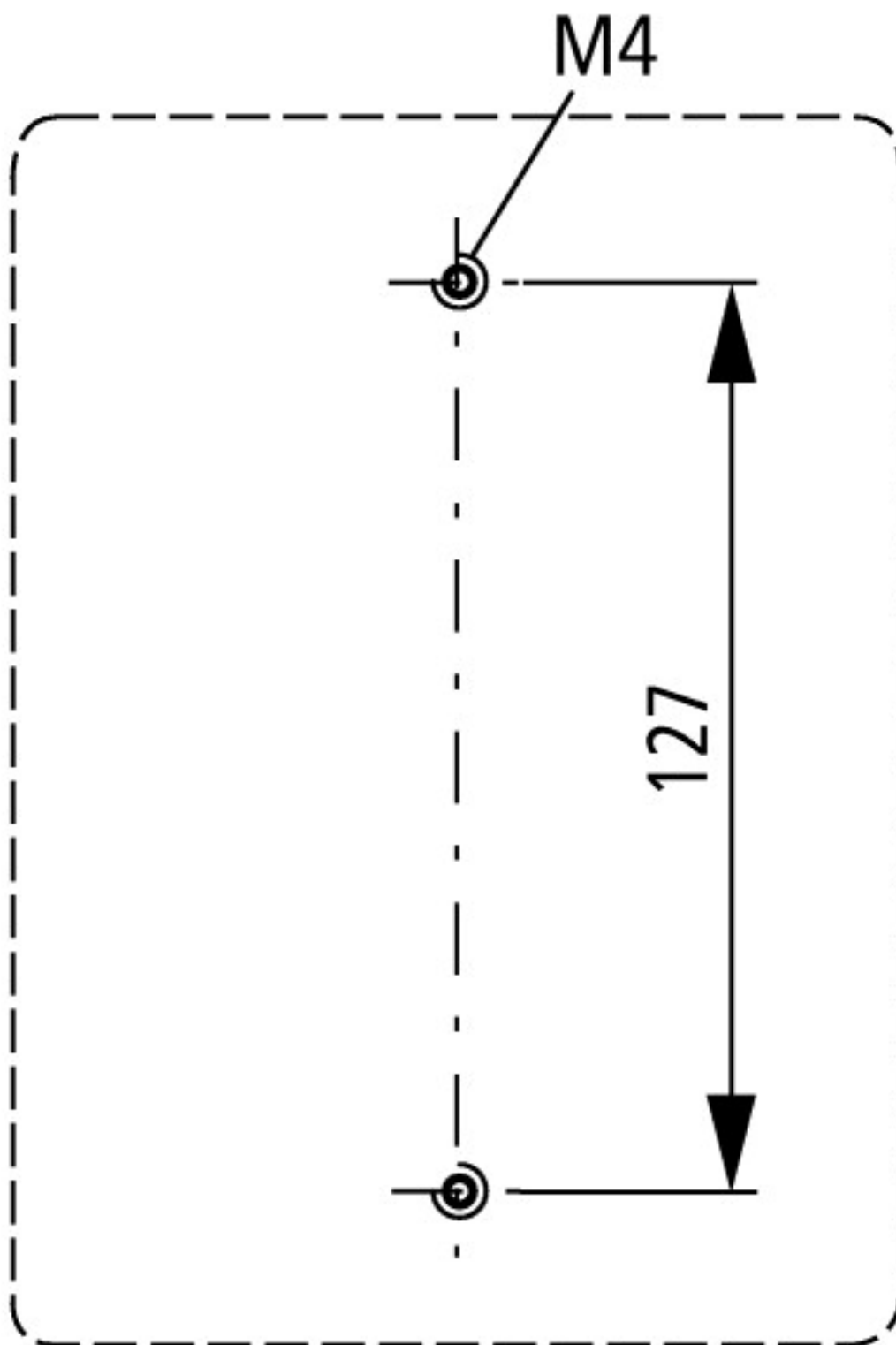
Characteristics

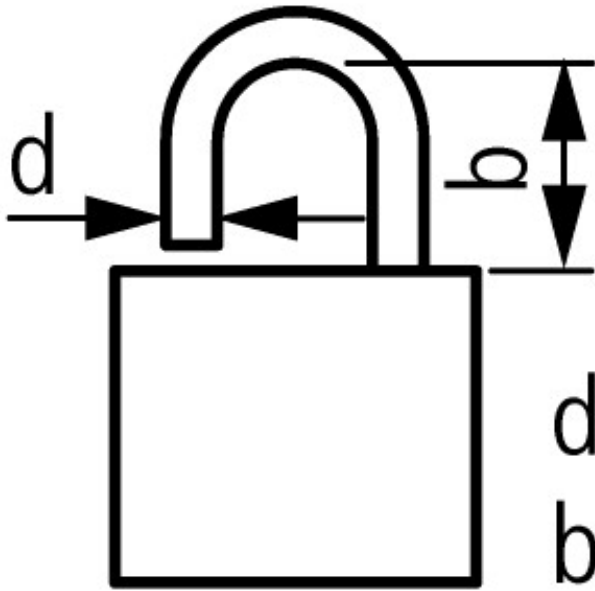


Dimensions




Depth of one contact unit: 9.5 mm





$$d = 4 - 8 \text{ mm}$$

$$b + d \leq 47 \text{ mm}$$

 3 Padlocks

Additional product information (links)

IL03801007Z (AWA1150-1687) Cam switch: Surface mounting enclosure

 IL03801007Z (AWA1150-1687) Cam
switch: Surface mounting enclosure

ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03801007Z2013_02.pdf
<http://ecat.moeller.net/flip-cat/?edition=HPLEN&startpage=4.87>
<http://ecat.moeller.net/flip-cat/?edition=K115A&startpage=40>