



I2/SVB main switch

Part no.

P1-32/I2/SVB/HI11

Article no.

207318



IP 65

IP 65

Delivery programme

| | | | |
|--|----------------------|-----|--------------------------|
| | | | As Emergency-Stop device |
| | | | With auxiliary contacts |
| Contact sequence | | | |
| Main conducting paths | | | |
| No. of poles | | M | 3 |
| Auxiliary contacts | | N/O | 1 |
| | | B | 1 |
| Max. motor rating | | | |
| AC-23A | | | |
| 400/415 V 50-60 Hz | <i>P</i> | kW | 15 |
| Rated uninterrupted current | <i>I_u</i> | A | 32 |
| Design | | | Surface mounting |
| Protection type | | | - |
| Note for table header According to IEC/EN 60204-1, VDE 0113 Part 1; with red rotary handle and yellow locking collar, lockable in 0 position | | | |

General

| | | | |
|---|-----------------------------|---------------|---|
| Standards | | | IEC/EN 60947, VDE 0660, IEC/EN 60204, CSA, UL switch disconnecter according to IEC/EN 60947-3 |
| Lifespan, mechanical | Operations | $\times 10^6$ | 0.3 |
| Maximum operating frequency | Operations/h | | 50 |
| 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 | <i>U_e</i> | V AC | 690 |
| Rated impulse withstand voltage | <i>U_{imp}</i> | V AC | 6000 |
| Overvoltage category/pollution degree | | | III/3 |
| Rated uninterrupted current | <i>I_u</i> | A | |
| open | <i>I_u</i> | A | 32 |
| Enclosed | <i>I_u</i> | A | 32 |
| Load rating with intermittent operation, class 12 | | | |
| AB 25 % DF | | $\times I_e$ | 2 |
| AB 40 % DF | | $\times I_e$ | 1.6 |
| AB 60 % DF | | $\times I_e$ | 1.3 |
| Short-circuit rating | | | |
| Fuse | | A gG/gL | 50 |

| | | | |
|--|----------|-----------|-----|
| Rated short-time withstand current (1 s current) | I_{CW} | A_{rms} | 640 |
| Switching angles | | ° | 90 |
| Current heat loss per contact at I_e | | W | 1.8 |

Terminal capacities

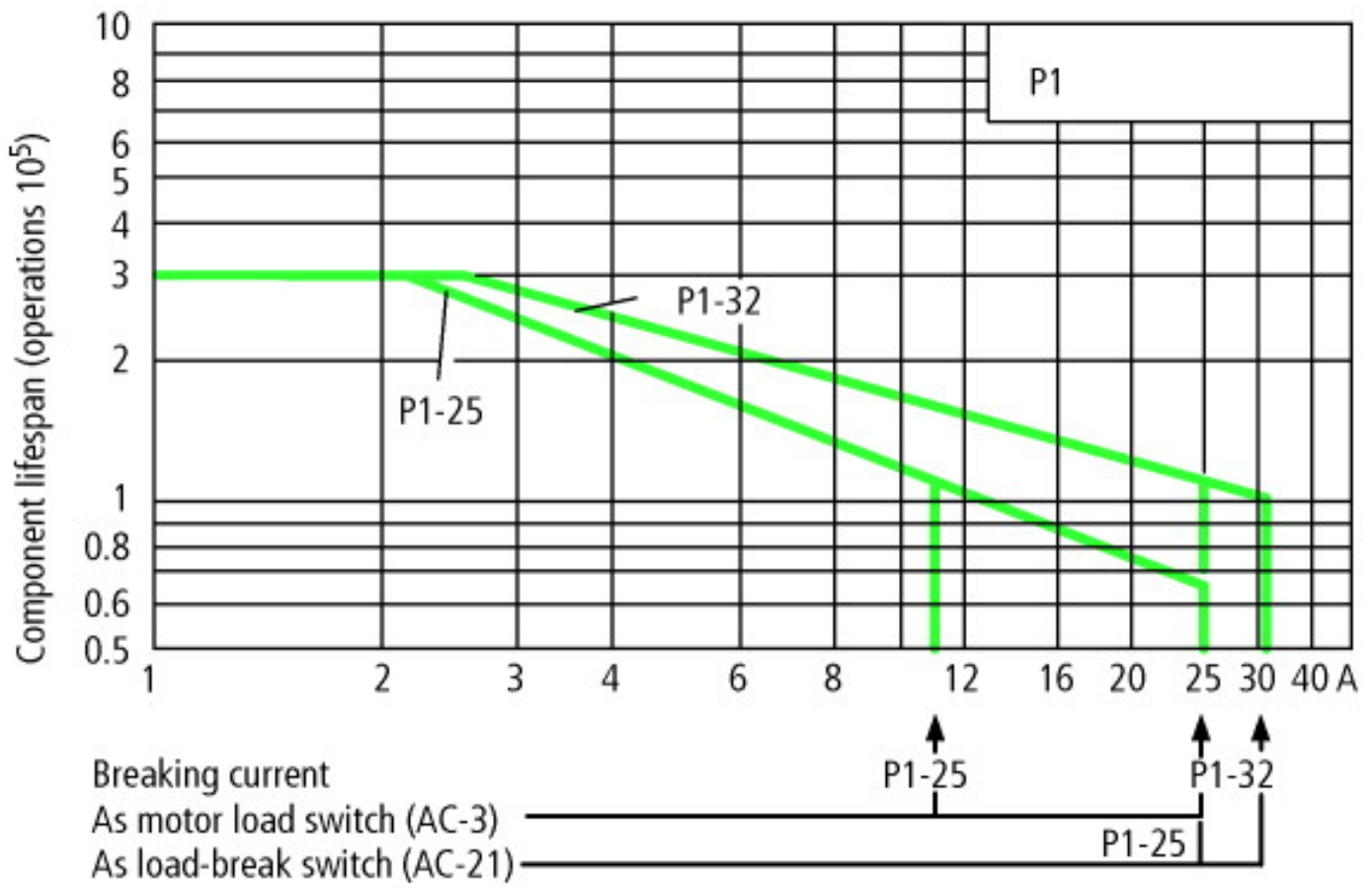
| | | | |
|------------------------------------|--|--------|--------------------------------|
| Solid or stranded | | mm^2 | 1 × (1.5 – 6) 2 × (1.5 – 6) |
| Flexible with ferrule to DIN 46228 | | mm^2 | 1 × (1 – 4) 2 × (1 – 4) |
| Terminal screw | | | M4 |
| Tightening torque | | Nm | 1.6 |

Switching capacity

| | | | |
|---|-------|--------------|------|
| AC | | $\times U_s$ | |
| Rated making capacity $\cos \phi = 0.35$ | | A | 320 |
| Rated breaking capacity, motor load switch $\cos \phi = 0.35$ | | A | |
| 230 V | | A | 260 |
| 400 V | | A | 300 |
| 500 V | | A | 290 |
| 690 V | | A | 250 |
| Rated operational current 440 V load-break switch AC-21A | I_e | A | 32 |
| AC-23A Motor load switches (main switches maintenance switches) | P | kW | |
| 230 V | P | kW | 8.5 |
| 400 V | P | kW | 15 |
| 500 V | P | kW | 18.5 |
| 690 V | P | kW | 18.5 |
| DC | | $\times U_s$ | |
| DC-1, Load-break switches L/R = 1 ms | | | |
| Rated operational current | I_e | A | 32 |
| Voltage per contact pair in series | | V | 60 |
| DC-23A, motor load switch L/R = 15 ms | | | |
| 24 V | | | |
| Rated operational current | I_e | A | 25 |
| Contacts | | Quantity | 1 |
| 48 V | | | |
| Rated operational current | I_e | A | 25 |
| Contacts | | Quantity | 2 |
| 60 V | | | |
| Rated operational current | I_e | A | 25 |
| Contacts | | Quantity | 3 |
| 120 V | | | |
| Rated operational current | I_e | A | 12 |
| Contacts | | Quantity | 3 |

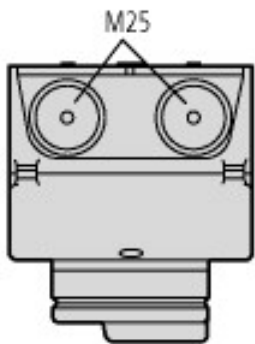
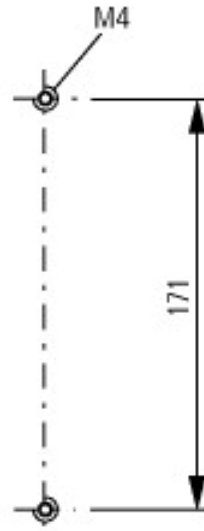
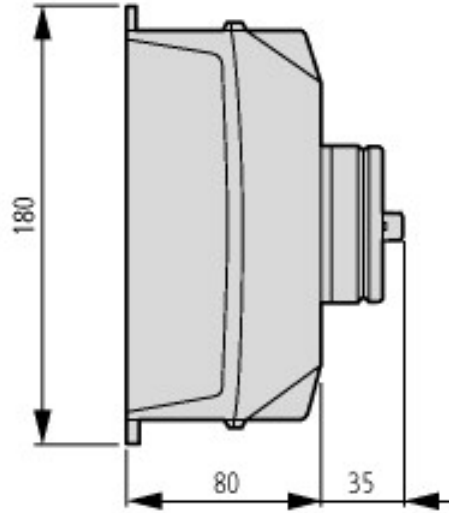
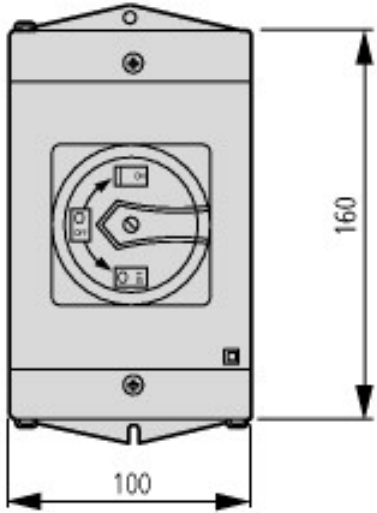
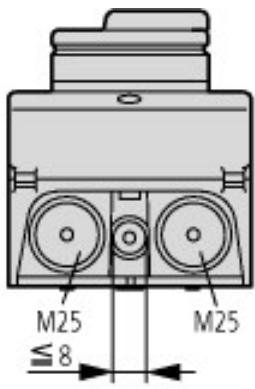
Notes

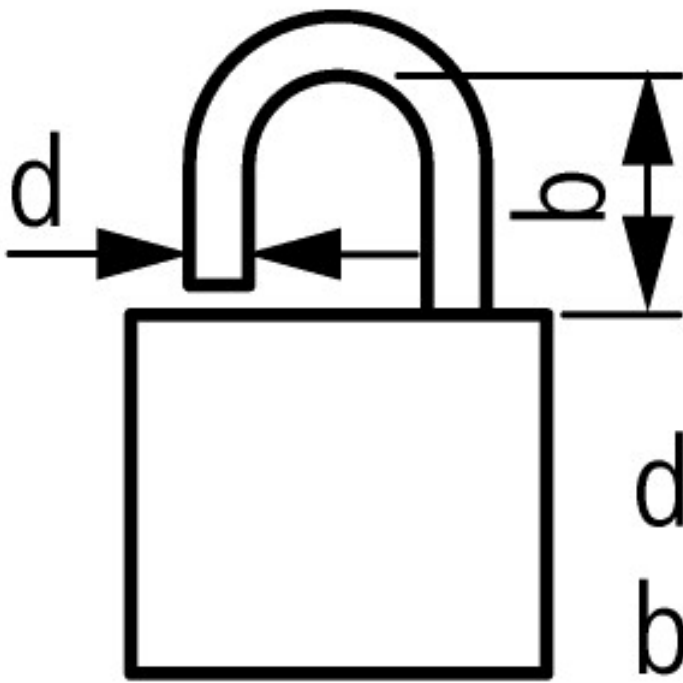
Notes Main switch characteristics to IEC/EN 60204; positive opening of contacts, operator element positively located on shaft
The rated uninterrupted current I_U is stated at max. connected cross-section.
For terminal capacity solid, stranded and flexible:
Max. 2 cross-section sizes difference admissible when using 2 conductors.



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.

Dimensions





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

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