

Type: **P1-32/V/SVB**

Article No.: **095676**

Sales text **CIRCUIT INTERRUPTER P1-32 (UK)**



Ordering information

| | | | |
|---|--|---|---|
| | | | BME-CAT Fotos |
| Produktgruppen-Bezeichnung | | | T rotary switches, P switch-disconnectors, technical data |
| | | | Load current switches |
| | | | Main switches, maintenance switches |
| Design | | | Rear mounting |
| Basic type for ... insert mounting form | | | P1-32/... |
| Mounting form | | | V/SVB |
| No. of poles | | M | 3 |
| Description | | | As Emergency-Stop device |

General

| | | | |
|-----------------------------|--------------|---------------|--|
| Standards | | | IEC/EN 60 947, VDE 0660, IEC/EN 60 204, CSA, UL Switch-disconnectors to IEC/EN 60 947-3 NEMA3R, NEMA12 |
| 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 | | | |
| 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 |
| Overtoltage category/pollution degree | | | III/3 |
| Rated uninterrupted current | | | |
| open | I_u | A | 32 |
| Enclosed | I_u | 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 |

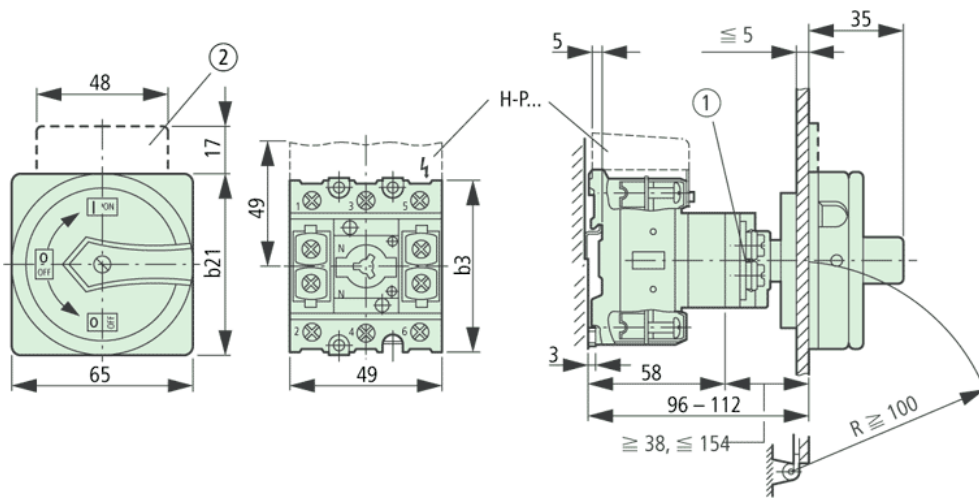
Switching capacity

| | | | |
|---|--|---|-----|
| AC | | | |
| Rated making capacity $\cos \phi = 0.35$ | | A | 320 |
| Rated breaking capacity, motor load switch $\cos \phi = 0.35$ | | | |

| | | | |
|---|-------|----------|------|
| 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-3 motor load switch motor rating | | | |
| 230 V | P | kW | 7,5 |
| 400 V | P | kW | 13 |
| 500 V | P | kW | 18,5 |
| 690 V | P | kW | 15 |
| AC-23A Motor load switches (main switches maintenance switches) | | | |
| 230 V | P | kW | 8,5 |
| 400 V | P | kW | 15 |
| 500 V | P | kW | 18,5 |
| 690 V | P | kW | 18,5 |
| DC | | | |
| 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 | | | |

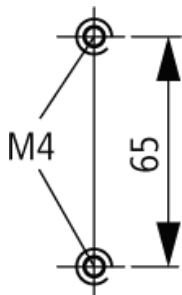
Main switch characteristics to IEC/EN 60204; positive opening of contacts, operator element positively located on shaft
 The rated uninterrupted current I_u is stated at max. connected cross-section.
 For terminal capacity solid, stranded and flexible:
 Max. 2 cross-section sizes difference admissible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

Dimensions



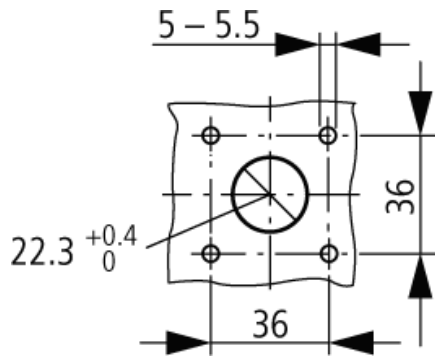
Shaft can be extended using ZVV-... + ZAV-..., max. $F 4 \times 25 = 100$ mm
 Not included

Dimensions



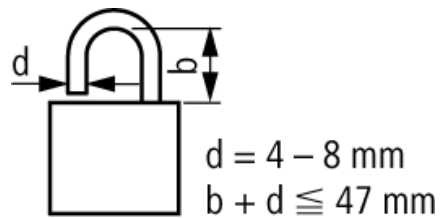
Diameter of drilled hole Bottom

Dimensions



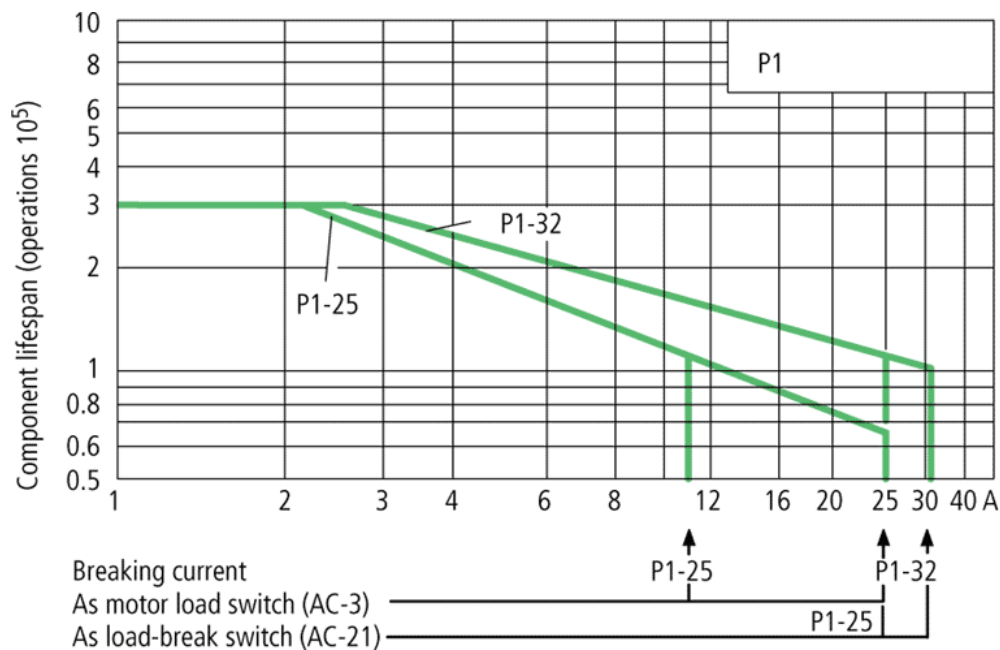
Diameter of drilled hole Door

Dimensions



3 Padlocks

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.

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