

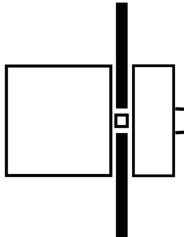
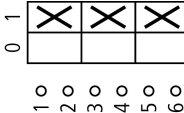
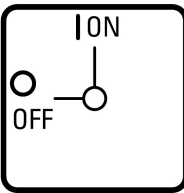




Main switch, 3 pole, 25 A, Emergency stop function, Lockable in the 0 (Off) position, flush mounting

**P1-25/EA/SVB-SW
048365**

Delivery programme

| | | | |
|---|----------------|-----|--|
| Product range | | | Main switch maintenance switch Repair switch |
| Part group reference | | | P1 |
| Emergency STOP | | | Emergency stop function With black rotary handle and locking ring |
| Information about equipment supplied | | | Auxiliary contact or neutral conductor fitted by user. |
| Number of poles | | | 3 pole |
| Auxiliary contacts | | | |
|  | | N/O | 0 |
|  | | N/C | 0 |
| Locking facility | | | Lockable in the 0 (Off) position |
| Degree of Protection | | | Front IP65 |
| Design | | | flush mounting |
| | | |  |
| Contact sequence | | |  |
| Function | | |  |
| Motor rating AC-23A, 50 - 60 Hz | | | |
| 400 V | P | kW | 11 |
| Rated uninterrupted current | I _u | A | 25 |

Technical data

| | | | |
|---------------------------------------|------------------|------|--|
| General | | | |
| Standards | | | IEC/EN 60947, VDE 0660, IEC/EN 60204, CSA, UL Switch-disconnector according to IEC/EN 60947-3 NEMA3R, NEMA12 |
| Climatic proofing | | | Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30 |
| Ambient temperature | | °C | |
| Open | | °C | -25 - +50 |
| Enclosed | | °C | -25 - +40 |
| Overvoltage category/pollution degree | | | III/3 |
| Rated impulse withstand voltage | U _{imp} | V AC | 6000 |

| | | | |
|---|--|---|-------------------------------|
| Mechanical shock resistance | | g | 15 |
| Mounting position | | | As required |
| Protection against direct contact when actuated from front (EN 50274) | | | Finger and back-of-hand proof |

Contacts

| | | | |
|---|----------|-----------|--|
| Mechanical variables | | | |
| Number of poles | | | 3 pole |
| Auxiliary contacts | | | |
| | | N/O | 0 |
| | | N/C | 0 |
| Electrical characteristics | | | |
| Rated operational voltage | U_e | V AC | 690 |
| Rated uninterrupted current | I_u | A | 25 |
| Note on rated uninterrupted current I_u | | | Rated uninterrupted current I_u is specified for max. cross-section. |
| 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 | 25 |
| Rated short-time withstand current (1 s current) | I_{cw} | A_{rms} | 640 |
| Note on rated short-time withstand current I_{cw} | | | Current for a time of 1 second |
| Rated conditional short-circuit current | I_q | kA | 50 |

Switching capacity

| | | | |
|---|--------------|----------|-------|
| cos ϕ rated making capacity as per IEC 60947-3 | | A | 240 |
| Rated breaking capacity cos ϕ to IEC 60947-3 | | A | |
| 230 V | | A | 190 |
| 400/415 V | | A | 150 |
| 500 V | | A | 170 |
| 690 V | | A | 150 |
| Safe isolation to EN 61140 | | | |
| between the contacts | | V AC | 440 |
| Current heat loss per contact at I_e | | W | 1.1 |
| Lifespan, mechanical | Operations | $x 10^6$ | > 0.3 |
| Maximum operating frequency | Operations/h | | 1200 |
| AC | | | |
| AC-3 | | | |
| Rating, motor load switch | P | kW | |
| 220 V 230 V | P | kW | 5.5 |
| 400 V 415 V | P | kW | 7.5 |
| 500 V | P | kW | 7.5 |
| 690 V | P | kW | 7.5 |
| Rated operational current motor load switch | | | |
| 230 V | I_e | A | 19.6 |
| 400V 415 V | I_e | A | 15.2 |
| 500 V | I_e | A | 12.1 |
| 690 V | I_e | A | 8.8 |
| AC-21A | | | |
| Rated operational current switch | | | |
| 440 V | I_e | A | 25 |
| AC-23A | | | |
| Motor rating AC-23A, 50 - 60 Hz | | | |
| 230 V | P | kW | 5.5 |
| 400 V 415 V | P | kW | 11 |
| 500 V | P | kW | 11 |

| | | | |
|---|-------------------|----------------|---|
| 690 V | P | kW | 11 |
| Rated operational current motor load switch | | | |
| 230 V | I _e | A | 25 |
| 400 V 415 V | I _e | A | 25 |
| 500 V | I _e | A | 17.4 |
| 690 V | I _e | A | 12.6 |
| DC | | | |
| DC-1, Load-break switches L/R = 1 ms | | | |
| Rated operational current | I _e | A | 25 |
| 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 | 2 |
| 120 V | | | |
| Rated operational current | I _e | A | 12 |
| Contacts | | Quantity | 3 |
| Control circuit reliability at 24 V DC, 10 mA | Fault probability | H _F | < 10 ⁻⁵ , < 1 fault in 100000 operations |

Terminal capacities

| | | | |
|-------------------------------------|--|-----------------|--------------------------------|
| Solid or stranded | | mm ² | 1 x (1,5 - 6) 2 x (1,5 - 6) |
| Flexible with ferrules to DIN 46228 | | mm ² | 1 x (1 - 4) 2 x (1 - 4) |
| Terminal screw | | | M4 |
| Max. tightening torque | | Nm | 1.6 |

Technical safety parameters:

| | | | |
|-------|--|--|---|
| Notes | | | B10 _d values as per EN ISO 13849-1, table C1 |
|-------|--|--|---|

Technical data ETIM 6.0

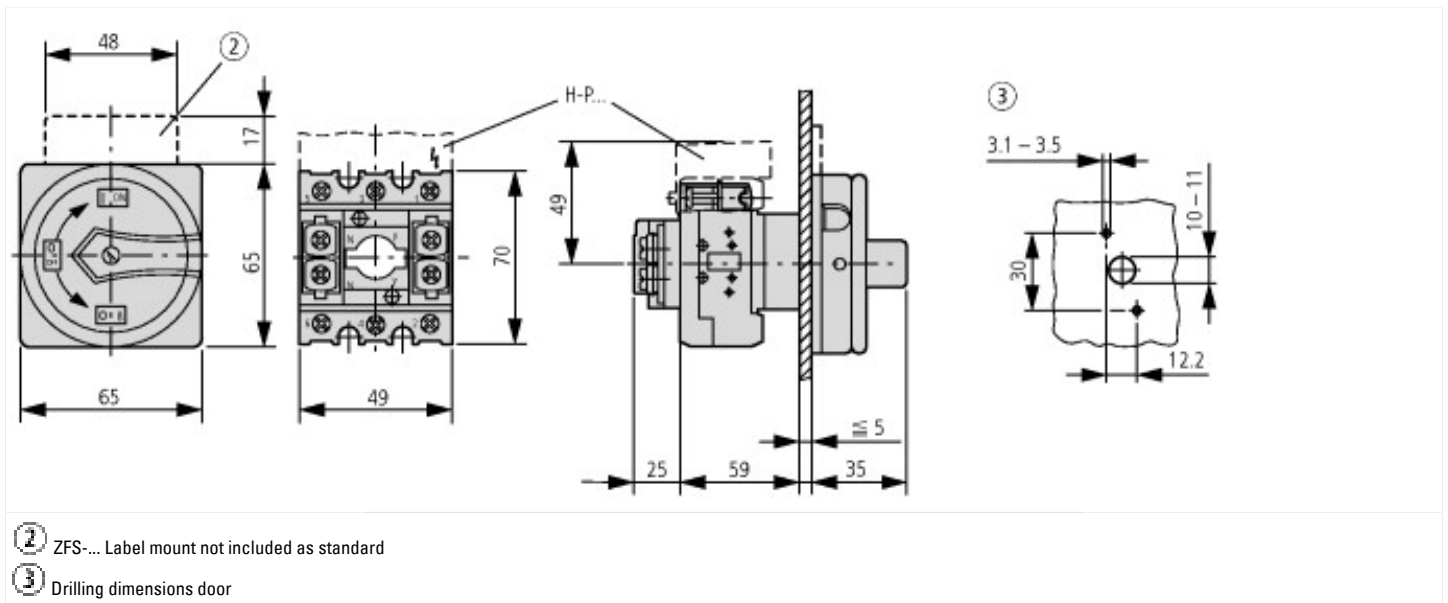
| | | | |
|--|--|----|-----------|
| Low-voltage industrial components (EG000017) / Switch disconnecter (EC000216) | | | |
| Electric engineering, automation, process control engineering / Low-voltage switch technology / Off-load switch, circuit breaker, control switch / Switch disconnecter (ecl@ss8.1-27-37-14-03 [AKF060010]) | | | |
| Version as main switch | | | Yes |
| Version as maintenance-/service switch | | | Yes |
| Version as safety switch | | | No |
| Version as emergency stop installation | | | No |
| Version as reversing switch | | | No |
| Max. rated operation voltage U _e AC | | V | 690 |
| Rated operating voltage | | V | 690 - 690 |
| Rated permanent current I _u | | A | 25 |
| Rated permanent current at AC-21, 400 V | | A | 25 |
| Rated operation power at AC-3, 400 V | | kW | 7.5 |
| Rated short-time withstand current I _{cw} | | kA | 0.64 |
| Rated operation power at AC-23, 400 V | | kW | 13 |
| Switching power at 400 V | | kW | 13 |
| Conditioned rated short-circuit current I _q | | kA | 80 |
| 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 | | Built-in device fixed built-in technique |
| Suitable for ground mounting | | No |
| Suitable for front mounting 4-hole | | Yes |
| Suitable for front mounting center | | No |
| Suitable for distribution board installation | | No |
| Suitable for intermediate mounting | | No |
| Colour control element | | Black |
| Type of control element | | Door coupling rotary drive |
| Interlockable | | Yes |
| Type of electrical connection of main circuit | | Screw connection |
| Degree of protection (IP), front side | | IP65 |

Approvals

| | | |
|-----------------------------|--|---|
| Product Standards | | UL 508; CSA-C22.2 No. 14-05; CSA-C22.2 No. 94; IEC/EN 60947-3; CE marking |
| UL File No. | | E36332 |
| UL Category Control No. | | NLRV |
| CSA File No. | | 12528 |
| CSA Class No. | | 3211-05 |
| North America Certification | | UL listed, CSA certified |
| Suitable for | | Branch circuits, suitable as motor disconnect |
| Degree of Protection | | IEC: IP65; UL/CSA Type 1, 12 |

Dimensions






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

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

$d = 0.16 - 0.31''$

$b + d \leq 1.85''$

 3 padlocks