

Coding switch Flush mounting

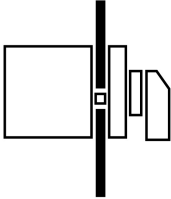
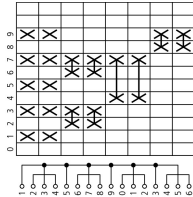
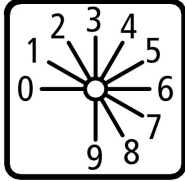


Powering Business Worldwide™

Part no.
Article no.

T0-4-15602/E
029368

Program

| | | | |
|---------------------------------|-------|----|--|
| Range | | | Control switches |
| Basic function | | | Coding switches |
| Part group reference (e.g. DIL) | | | T0 |
| Design | | | Flush mounting |
| | | |  |
| Protection type | | | Front IP65 |
| Emergency stop | | | without emergency switching off/emergency stop function |
| | | | with black thumb grip and front plate With complete rotation in both directions. Binary BCD-Code |
| Contact sequence | | |  |
| Front plate no. | | |  FS 312 |
| Main conducting paths | | | |
| No. of poles | | M | 4 |
| Max. motor rating | | | |
| AC-23A | | | |
| 400/415 V 50-60 Hz | P | kW | 6.5 |
| Rated uninterrupted current | I_u | A | 20 |

Approbationen

| | |
|----------------------|---|
| UL approval | Yes |
| CSA approval | Yes |
| Product Standards | UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking |
| UL File No. | E36332 |
| UL CCN | NLRV |
| CSA File No. | 12528 |
| CSA Class No. | 3211-05 |
| NA Certification | UL listed, CSA certified |
| Suitable for | Branch circuits |
| Degree of Protection | IEC: IP65; UL/CSA Type 3R, 12 |

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 | $x 10^6$ | 0.5 |
| 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 |
| Overtoltage 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 VDE 0106 Part 101 and Part 101/A1 | | | |
| 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 ferrule to DIN 46228 | | 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 $\cos \varphi = 0.35$ | | A | 130 |
| Rated breaking capacity, motor load switch $\cos \varphi = 0.35$ | | 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 | |
| 220/230 V | P | kW | 3 |
| 230 V Star-delta | P | kW | 4 |
| 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 |

| | | | |
|---|-------------------|------------------|---|
| 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 | | | |
| 230 V | I _e | A | 6 |
| 400 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 |

Notes

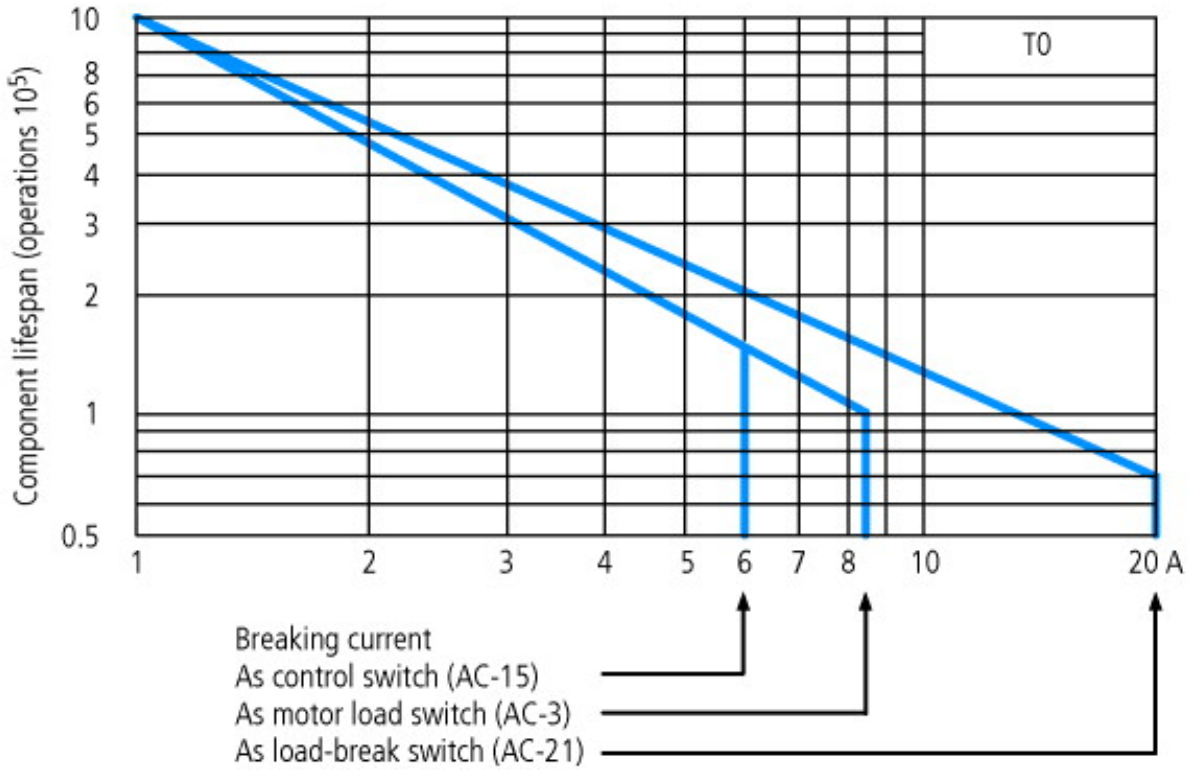
Notes The following applies for solid, multiwire, and flexible terminal capacities:
If 2 conductors are being used, a max. difference of 2 cross-section categories is permissible

Technical data according to ETIM 4.0

| | | | |
|---|--|---|-----------------------|
| Suitable for front mounting | | | YES |
| Complete device in housing | | | No |
| Suitable for rear mounting | | | No |
| Device construction | | | Flush-mounting device |
| Max. rated operating voltage U _e at AC | | V | 690 |
| With retraction in 0-position | | | No |
| Rated uninterrupted current I _u | | A | 20 |
| Protection type (IP), at front | | | IP65 |
| Front shield size | | | 48x48 mm |
| Suitable for base fixing | | | No |
| Suitable for distribution board installation | | | No |

Characteristics

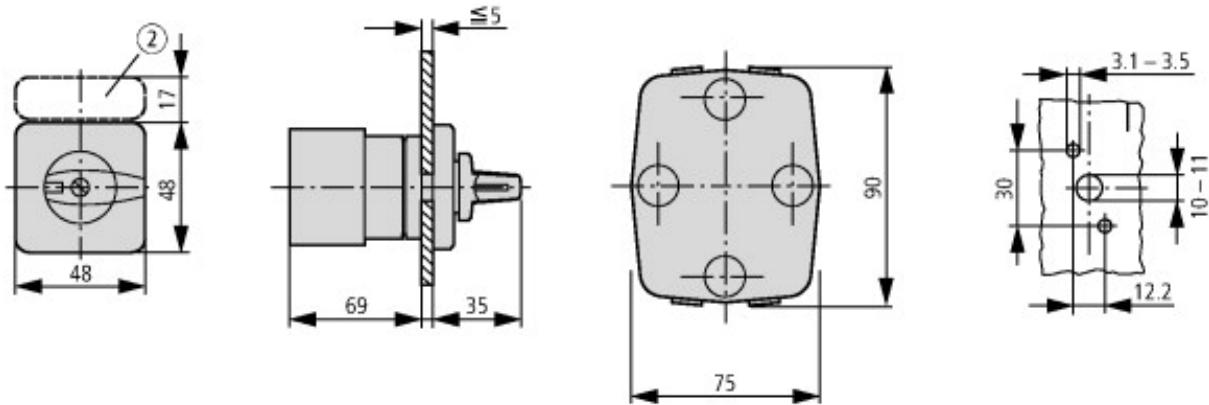
Form for ordering non-standard front plates



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.

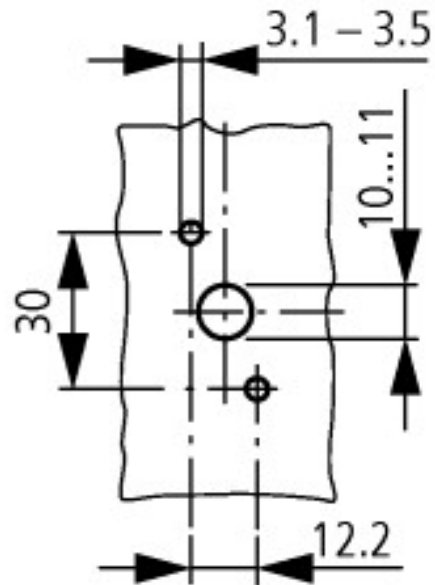
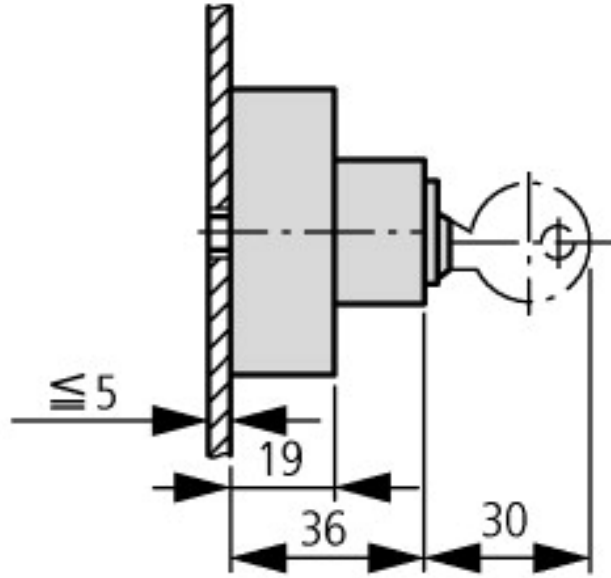
Dimensions



② Label mount not included as standard
One contact unit depth: 9.5 mm



Diameter of drilled hole Door



Key operation lock mechanism
T0.../E + S-(SOND-)T0

Additional product information (links)

AWA1150-0586 (IL03801020Z) Cam switch

ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/05860709.pdf

Engineering

Technical overview

ftp://ftp.moeller.net/DOCUMENTATION/PDF/GB/Ovt_t_p_Leistung_G.pdf

Key to part numbers, modular system

ftp://ftp.moeller.net/DOCUMENTATION/PDF/GB/Ovt_t_p_Typenschlüssel_G.pdf

Ordering of non-standard switches

ftp://ftp.moeller.net/DOCUMENTATION/PDF/GB/Bestellformulare_de.pdf