DATASHEET - T0-1-15061/E



ON-OFF button, T0, 20 A, flush mounting, 1 contact unit(s), Contacts: 2, 45 °, momentary, With 0 (Off) position, with spring-return, Aus>I<Ein, design no. 15061



T0-1-15061/E Part no. Catalog No. 009122

Delivery program

| Product range | | | Control switches |
|--|----|--------------------|--|
| Part group reference | | | то |
| Basic function | | | ON-OFF button |
| | | | with black thumb grip and front plate |
| Contacts | | | 2 |
| Degree of Protection | | | Front IP65 |
| Design | | | flush mounting |
| | | | |
| Switching angle | | 0 | 45 |
| Switching performance | | | momentary With 0 (Off) position with spring-return |
| Design number | | | 15061 |
| Front plate no. | | | AUS EIN FS 1423 |
| front plate | | | Aus>I <ein< th=""></ein<> |
| Motor rating AC-23A, 50 - 60 Hz | | | |
| 400 V | Ρ | kW | 5.5 |
| Rated uninterrupted current | lu | А | 20 |
| Note on rated uninterrupted current !u | | | Rated uninterrupted current $\boldsymbol{I}_{\boldsymbol{u}}$ is specified for max. cross-section. |
| Number of contact units | | contact unit(s) | 1 |

Technical data

| General | | | |
|---------------------------------------|------------------|------|--|
| Standards | | | IEC/EN 60947, VDE 0660, IEC/EN 60204, CSA, UL Switch-disconnector according to IEC/EN 60947-3 |
| Climatic proofing | | | Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30 |
| Ambient temperature | | | |
| Open | | °C | -25 - +50 |
| Enclosed | | °C | -25 - +40 |
| Overvoltage category/pollution degree | | | 111/3 |
| Rated impulse withstand voltage | U _{imp} | V AC | 6000 |
| Mechanical shock resistance | | g | 15 |
| Mounting position | | | As required |

Contacts

| Contacts | | | |
|--|-----------------|-------------------|--|
| Electrical characteristics | | | |
| Rated operational voltage | U _e | V AC | 690 |
| Rated uninterrupted current | lu | А | 20 |
| Note on rated uninterrupted current \boldsymbol{I}_u | | | Rated uninterrupted current \mathbf{I}_{u} is specified for max. cross-section. |
| Load rating with intermittent operation, class 12 | | | |
| AB 25 % DF | | x l _e | 2 |
| AB 40 % DF | | x l _e | 1.6 |
| AB 60 % DF | | x l _e | 1.3 |
| Short-circuit rating | | | |
| Fuse | | A gG/gL | 20 |
| Rated short-time withstand current (1 s current) | I _{cw} | A _{rms} | 320 |
| Note on rated short-time withstand current lcw | CW | 1113 | Current for a time of 1 second |
| Rated conditional short-circuit current | Ιq | kA | 6 |
| Switching capacity | 'q | 10.1 | • |
| cos φ rated making capacity as per IEC 60947-3 | | А | 130 |
| Rated breaking capacity cos φ to IEC 60947-3 | | A | |
| 230 V | | A | 100 |
| 400/415 V | | A | 110 |
| 500 V | | A | 80 |
| 690 V | | A | 60 |
| Safe isolation to EN 61140 | | | - |
| between the contacts | | V AC | 440 |
| Current heat loss per contact at l _e | | W | 0.6 |
| | | | |
| Current heat loss per auxiliary circuit at $\rm I_e$ (AC-15/230 V) | | CO | 0.6 |
| Lifespan, mechanical | Operations | x 10 ⁶ | > 0.4 |
| Maximum operating frequency | Operations/h | | 1200 |
| AC | | | |
| AC-3 | | | |
| Rating, motor load switch | Р | kW | |
| 220 V 230 V | Р | kW | 3 |
| 230 V Star-delta | Ρ | kW | 5.5 |
| 400 V 415 V | Р | kW | 5.5 |
| 400 V Star-delta | Р | kW | 7.5 |
| 500 V | Р | kW | 5.5 |
| 500 V Star-delta | Р | kW | 7.5 |
| 690 V | Р | kW | 4 |
| 690 V Star-delta | Р | kW | 5.5 |
| Rated operational current motor load switch | | | |
| 230 V | l _e | A | 11.5 |
| 230 V star-delta | l _e | A | 20 |
| 400V 415 V | I _e | A | 11.5 |
| 400 V star-delta | l _e | A | 20 |
| 400 V Stat-delta 500 V | | | |
| | l _e | A | 9 |
| 500 V star-delta | l _e | A | 15.6 |
| 690 V | Ι _e | A | 4.9 |
| 690 V star-delta | Ι _e | А | 8.5 |
| AC-23A | | | |
| Motor rating AC-23A, 50 - 60 Hz | Р | kW | |
| 230 V | Р | kW | 3 |
| 400 V 415 V | Р | kW | 5.5 |
| 500 V | Р | kW | 7.5 |
| 690 V | Р | kW | 5.5 |
| Rated operational current motor load switch | | | |
| | | | |

| 230 V | le | A | 13.3 |
|---|----------------------|-----------------|---|
| 400 V 415 V | le | А | 13.3 |
| 500 V | le | А | 13.3 |
| 690 V | l _e | A | 7.6 |
| DC | | | |
| DC-1, Load-break switches L/R = 1 ms | | | |
| Rated operational current | le | A | 10 |
| Voltage per contact pair in series | | V | 60 |
| DC-21A | le | A | |
| Rated operational current | l _e | A | 1 |
| Contacts | ·e | Quantity | |
| DC-23A, motor load switch L/R = 15 ms | | Quantity | |
| 24 V | | | |
| Rated operational current | l _e | A | 10 |
| Contacts | 'e | Quantity | |
| 48 V | | Quantity | |
| 40 V Rated operational current | | А | 10 |
| | l _e | | |
| Contacts | | Quantity | 2 |
| 60 V | | ٨ | 10 |
| Rated operational current | l _e | A | 10 |
| Contacts | | Quantity | 3 |
| 120 V | | | |
| Rated operational current | l _e | A | 5 |
| Contacts | | Quantity | 3 |
| 240 V | | | |
| Rated operational current | le | A | 5 |
| Contacts | | Quantity | 5 |
| DC-13, Control switches L/R = 50 ms | | | |
| Rated operational current | le | 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 failure in 100,000 switching operations |
| Terminal capacities | | | |
| Solid or stranded | | mm ² | 1 x (1 - 2,5) 2 x (1 - 2,5) |
| Flexible with ferrules to DIN 46228 | | 2 | 1 x (0.75 - 2.5) |
| | | mm ² | 2 x (0.75 - 2.5) |
| Terminal screw | | | M3.5 |
| Tightening torque for terminal screw | | Nm | 1 |
| Technical safety parameters: | | | |
| Notes | | | B10 _d values as per EN ISO 13849-1, table C1 |
| Rating data for approved types | | | |
| Contacts | | VAC | 500 |
| Rated operational voltage | U _e | V AC | 600 |
| Rated uninterrupted current max. | | | |
| Main conducting paths | | | |
| General use | | A | 16 |
| Auxiliary contacts | | | |
| General Use | IU | A | 10 |
| Pilot Duty | | | A 600 P 300 |
| Switching capacity | | | |
| Maximum motor rating | | | |
| Single-phase | | | |
| 120 V AC | | HP | 0.5 |
| 200 V AC | | HP | 1 |
| | | | |

| 2401/ 40 | UD | 15 |
|--|-------|-------------|
| 240 V AC | HP | 1.5 |
| Three-phase | | |
| 200 V AC | HP | 3 |
| 240 V AC | HP | 3 |
| 480 V AC | HP | 7.5 |
| 600 V AC | HP | 7.5 |
| Short Circuit Current Rating | SCCR | |
| Basic Rating | kA | 5 |
| max. Fuse | А | 50 |
| High fault rating | kA | 10 |
| max. Fuse | А | 20, Class J |
| Terminal capacity | | |
| Solid or flexible conductor with ferrule | AWG | 18 - 14 |
| Terminal screw | | M3.5 |
| Tightening torque | lb-in | 8.8 |

Design verification as per IEC/EN 61439

| Rado generational corrent or specified has tisspation Rado generational constructive dependent Rado generation Rado ge | Technical data for design verification | | | |
|--|--|-------------------|----|--|
| Heat dissipation per pole, current-dependent Puid Wei 6.5 Equipment heat dissipation, current-dependent Puid W 0 Static heat dissipation, current-dependent Puid W 0 Operating ambient temperature min. Pains W 0 Operating ambient temperature max. So So 10.2.5 trength of materials and parts So So 10.2.2 Corresion resistance Instantials and parts Meats the product standard's requirements. 10.2.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric offers Meats the product standard's requirements. 10.2.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric offers Meats the product standard's requirements. 10.2.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric indects Meats the product standard's requirements. 10.2.5 Lifting Does not apply, since the entire switchgar needs to be avaluated. 10.2.5 Lifting Does not apply, since the entire switchgar needs to be avaluated. 10.2.6 Normation of avakting devection attensite. Does not apply, since the entire switchgar needs to be avaluated. 10. | - | l. | Δ | 20 |
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Technical data ETIM 7.0

Low-voltage industrial components (EG000017) / Control switch (EC002611)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Off-load switch, circuit breaker, control switch / Control switch (ecl@ss10.0.1-27-37-14-14 [ACN998011])

| [ACN998011]) | | |
|--|---|-----------------|
| Type of switch | | On/Off switch |
| Number of poles | | 1 |
| Max. rated operation voltage Ue AC | V | 690 |
| Rated permanent current lu | А | 20 |
| Number of switch positions | | 3 |
| With 0 (off) position | | No |
| With retraction in 0-position | | No |
| Device construction | | Built-in device |
| Width in number of modular spacings | | 0 |
| Suitable for ground mounting | | No |
| Suitable for front mounting 4-hole | | Yes |
| Suitable for distribution board installation | | No |
| Suitable for intermediate mounting | | No |
| Complete device in housing | | No |
| Type of control element | | Toggle |
| Front shield size | | 48x48 mm |
| Degree of protection (IP), front side | | IP65 |
| Degree of protection (NEMA), front side | | 12 |
| | | |

Approvals

| Approvedo | |
|-----------------------------|---|
| Product Standards | UL 60947-4-1;CSA - C22.2 No. 60947-4-1-14; 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

