



SAFETY POSITION SWITCHES WITH SOLENOID INTERLOCKING LOCK. FORCE 1300N,5 APPR. DIR. PLASTIC ENCLOSURE,3X(M20X1.5) SPRING-LOCKED, EMERGENCY RELEASE ON REAR A. AUXILIARY RELEASE ON FRONT, MAGNET VOLTAGE 24V DC, MONITOR. OF ACTUATOR 2NC/1NO, MONITOR. OF MAGNET 2NC/1NO LEDS YELLOW/GREEN

| | | |
|---|--|---|
| Product designation | | position switch with tumbler |
| Design of the product | | with separate actuator and with tumbler |
| Manufacturer article number | | 3SE5000-0AV01 standard actuator, 3SE5000-0AV02 actuator with vertical mounting, 3SE5000-0AV03 actuator with transverse mounting, 3SE5000-0AV04 radius actuator left, 3SE5000-0AV05 universal actuator, 3SE5000-0AV06 radius actuator right, 3SE5000-0AV07 heavy duty actuator |
| <ul style="list-style-type: none"> of the optional actuators | | |

| General technical data: | | |
|--|----|--------------|
| Product function | | |
| <ul style="list-style-type: none"> positive opening | | Yes |
| Insulation voltage | | |
| <ul style="list-style-type: none"> Rated value | V | 250 |
| Degree of pollution | | class 3 |
| Shock resistance | | 30g / 11 ms |
| Vibration resistance | | 0.35 mm / 5g |
| Surge voltage resistance Rated value | kV | 4 |
| Mechanical service life (switching cycles) | | |
| <ul style="list-style-type: none"> typical | | 1 000 000 |
| Electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical | | 1 000 000 |
| Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 | | 6 000 |
| Thermal current | A | 6 |

| | | |
|--|----|-----------|
| Material of the enclosure of the switch head | | plastic |
| Protection class IP | | IP65/IP67 |
| Equipment marking | | B |
| <ul style="list-style-type: none"> • acc. to DIN EN 61346-2 • acc. to DIN EN 81346-2 | | B |
| Locking force | N | 1 300 |
| <ul style="list-style-type: none"> • acc. to BG-GS-ET 19 | N | 1 000 |
| Repeat accuracy | mm | 0.05 |
| Explosion protection category for dust | | none |
| Explosion protection category for gas | | none |
| Minimum actuating force in activation direction | N | 30 |
| Operating current at AC-15 | | |
| <ul style="list-style-type: none"> • at 230 V Rated value | A | 1.5 |
| Operating current | | |
| <ul style="list-style-type: none"> • at DC-13 at 125 V Rated value | A | 0.55 |
| Operating current | | |
| <ul style="list-style-type: none"> • at DC-13 — at 24 V Rated value | A | 3 |

Enclosure:

| | | |
|---|--|----------------|
| Design of the housing | | special design |
| Material of the enclosure | | plastic |
| Design of the housing acc. to standard | | No |

Drive Head:

| | | |
|--|--|--------------------------|
| Design of the operating mechanism | | 5 directions of approach |
| Design of the switching function | | positive opening |
| Number of actuation directions | | 5 |

Connections/ Terminals:

| | | |
|---|--|---|
| Type of electrical connection | | screw-type terminals |
| Type of connectable conductor cross-section | | |
| <ul style="list-style-type: none"> • solid | | 1x (0.5 ... 1.5 mm ²), 2x (0.5 ... 0.75 mm ²) |
| <ul style="list-style-type: none"> • finely stranded with core end processing | | 1x (0.5 ... 1.5 mm ²), 2x (0.5 ... 0.75 mm ²) |
| <ul style="list-style-type: none"> • finely stranded without core end processing | | 1x (0.5 ... 1.5 mm ²), 2x (0.5 ... 0.75 mm ²) |
| <ul style="list-style-type: none"> • for AWG conductors | | |
| <ul style="list-style-type: none"> — solid | | 1x (20 ... 16), 2x (20 ... 18) |
| <ul style="list-style-type: none"> — stranded | | 1x (20 ... 16), 2x (20 ... 18) |

Mechanical data:

| | | |
|---------------------------------|--|--|
| Cable entry type | | 3 x (M20 x 1.5) |
| Locking mechanism design | | spring-actuated lock (closed-circuit principle) with emergency release from the back and auxiliary release from the front and auxiliary release from the front |

Communication/ Protocol:

| | | |
|--------------------------------|--|---------|
| Design of the interface | | without |
|--------------------------------|--|---------|

Ambient conditions:

| | | |
|----------------------------|----|-------------|
| Ambient temperature | | |
| • during operation | °C | -25 ... +60 |
| • during storage | °C | -40 ... +80 |

Supply voltage:

| | | |
|--|---|----|
| Type of voltage of the supply voltage | | |
| • of the optional LED indicator | | DC |
| Supply voltage | | |
| • of LED | V | 24 |
| Supply voltage of the magnet coil | V | 24 |

Installation/ mounting/ dimensions:

| | | |
|--------------------------|--|--------------|
| mounting position | | any |
| Mounting type | | screw fixing |

Certificates/ approvals:

| | | |
|--|--|---|
| General Product Approval | Functional Safety/Safety of Machinery | Declaration of Conformity |
|  CCC |  UL |  EG-Konf. |
|  CSA |  EAC | Type Examination Certificate |

| | |
|--|------------------------------|
| Test Certificates | other |
| Special Test Certificate | Confirmation |

Further information

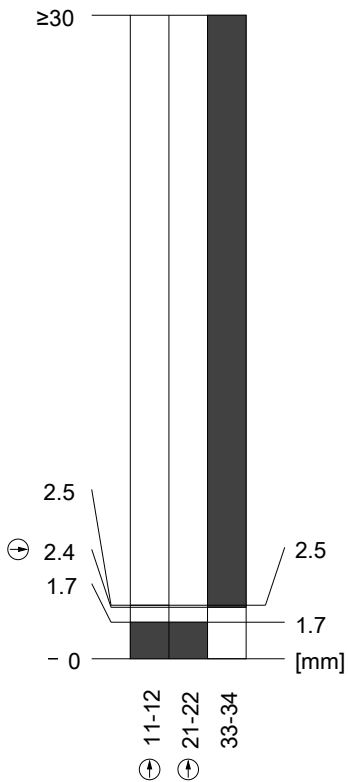
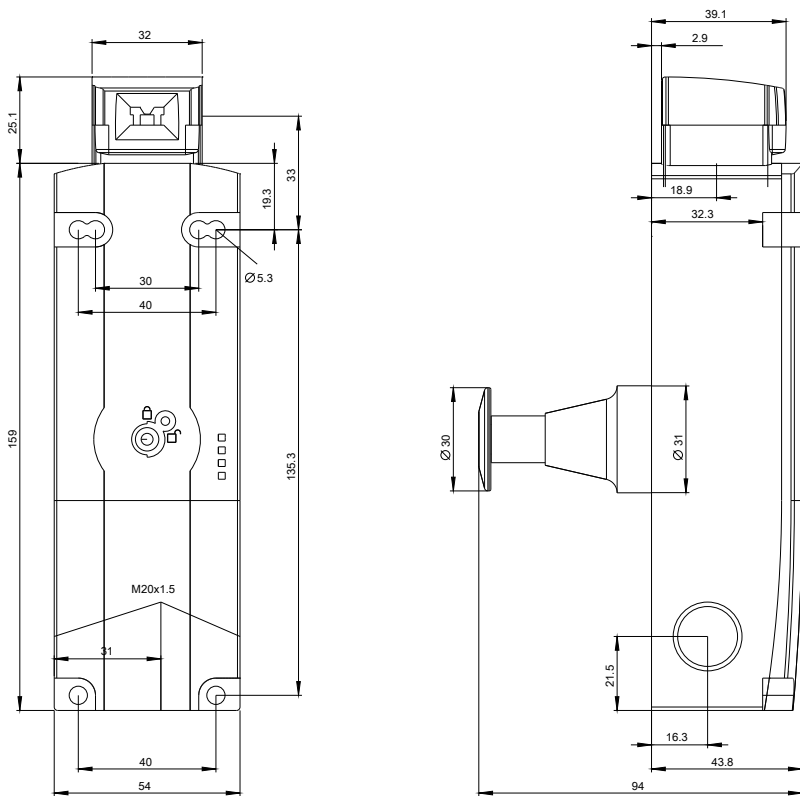
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