



DESCRIPTION

The **STNK series** is a tongue (or key) operated safety interlock switch designed to fit at the leading edge of sliding, hinged or lift-off guards. With its dual entry slots and rotatable head, the versatile STNK series can offer up to eight different actuator entry options. Operation of the switch is achieved through the insertion of a specially profiled stainless steel key that is permanently mounted to the guard door. Available with one NC safety contact or two NC contacts, the STNK series is sealed to IP67 and has various conduit entries. A blanking plug is supplied for the unused key entry. Available accessories include a 90° actuator.

TECHNICAL DATA - HOUSING

| | |
|--|---|
| Made of glass- reinforced polymer, self-extinguishing, shock-proof thermoplastic resin and with double insulation | <input type="checkbox"/> |
| STNK Series one threaded conduit entry | Standard: M16 |
| Protection degree | IP67 according to EN60529 with cable gland having equal or higher protection degree |

GENERAL DATA

| | |
|-------------------------------------|--|
| Positive opening operation | NC contact |
| Utilization category | AC15 A600 |
| Insulation resistance | 100MΩ min (DC 500V) |
| Contact resistance | 25mΩ max (Initial) |
| Travel for positive opening | Various |
| Max Actuation Frequency | 2 cycles/sec |
| Enclosure material | UL approved glass-filled polybutylene terephthalate |
| Actuator material | Stainless steel |
| Operating temperature | Min -25°C (-18°F) / Max 80°C (+176°F) |
| Mechanical life expectancy | 1x10 ⁶ cycles min |
| Electrically life expectancy | 150.000 cycles min |
| Vibration | IEC 68-2-6, 10-55Hz ± 1Hz, Excursion: 0.35mm, 1 octave/min |
| Conduit entry | Various |
| Fixing | 2xM4 |

ELECTRICAL DATA

| | |
|--|------------------------------|
| Thermal current (Ith) | 10A |
| Rated insulation voltage | 600V AC |
| Rated impulse withstand volt | 2500V AC |
| Pollution degree | 3 |
| Protection against electric shock | Class II (Double insulation) |


STANDARDS & APPROVALS

| | |
|------------------|--|
| Standards | EN60947-5-1, UL508, EN50047, EN1088 |
| Approvals | cULus, EAC and CCC for all applicable directives |

QUALITY MARKS



MAIN FEATURES

- Fits on 25 mm tubing, ideal for small, light weight guards.
- Contacts: Slow action 1NC/1NO; 2NC - Snap action 1NC/1NO.
-  Positive opening mechanism.
- Double insulation structure.
- Eight possible actuator entry points, easy to install.
- 90° and straight key.
- IP67 enclosure rating.
- Robust stainless steel keys.

DATA TYPE APPROVED BY UL

Utilization categories:

| STNK SERIES | Q300 | A600 | 1 NC/1 NO Slow Action 2 NC Slow Action |
|-------------|------|------|---|
| | | B600 | 1 NC/1 NO Snap Action |
| | | A300 | 2 NC/1 NO Slow Action (3 poles) 3 NC Slow Action (3 poles) |

Data of the housing type 1.
For all contact blocks use 60 or 75°C copper (Cu) conductor and wire size No. 14 - 18 AWG.
Terminal tightening torque of 7.1 lb in (0.8 Nm).
In conformity with standard: UL508, CSA 22.2 No. 14 - 10.



Please contact our technical service for the list of approved products.

PROTECTION CLASS

IP67 These series switches are all IP67 rated.

DOUBLE INSULATION



Materials of group II, according to IEC 536, are made with double insulation. This consists of doubling the insulation capability by means of an additional divider in order to eliminate any electrical shock risk and avoid the need for any additional protections.

POSITIVE OPENING



A limit switch complies to the specification when all the normally closed contact elements of the switch can be changed, with certainty, to the open position (no flexible link between the moving contacts and the operator of the switch, to which an actuating force is applied). Positive opening doesn't apply to NO contacts. Control switches with positive opening operation can be equipped with either slow-break or snap action contacts. In order to use different contacts on the same switch, it is necessary to electrically separate them; otherwise only one contact can be used. Every positive opening control switch must be marked on the external housing with the symbol on the left.

STNK02: SAFETY LIMIT SWITCH WITH FLAT KEY

| STNK | 02 | X11 | M |
|--------|---------------------|--|--|
| Series | Operation Key Types | Contact Types | Thread dimension of lead exit |
| | 02 - Flat key | X11 - 1NC/1NO Slow Action W02 - 2NC Slow Action Z11 - 1NC/1NO Snap Action W12 - 2NC/1NO Slow Action W03 - 3NC Slow Action | Standard: BLANK - M16 On request: M - M20 N - 1/2NPT G1 - PG11 G3 - PG13.5 C - Connector |

