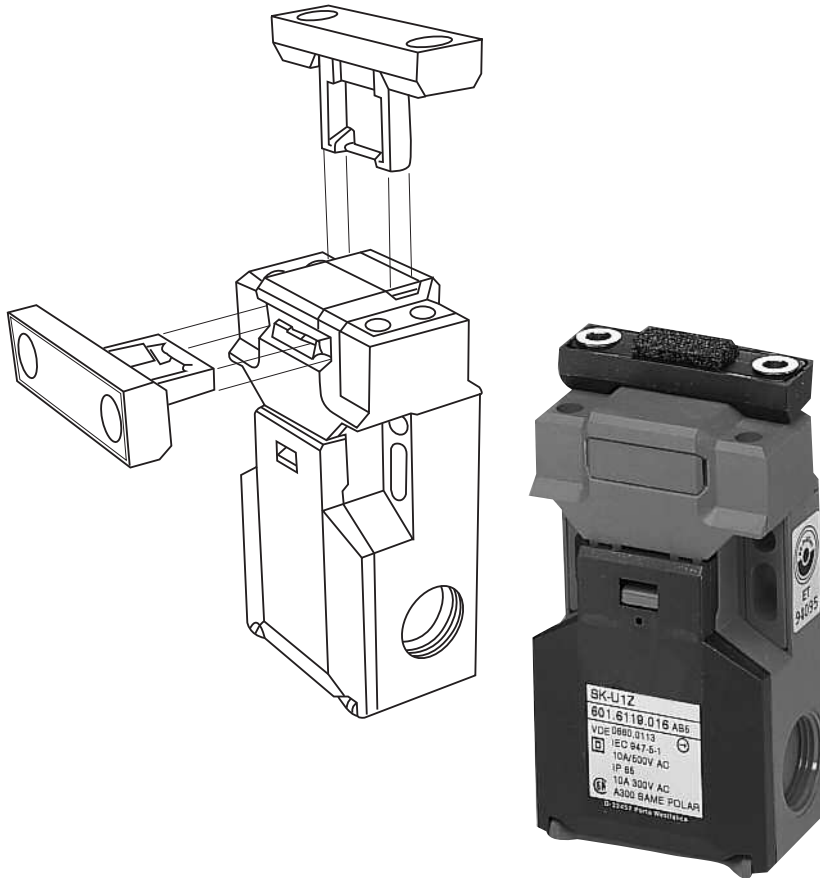


Safety Interlock Switch

P- 1488
819- 0467

Installation & Operating Instructions



An Altra Industrial Motion Company

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⚠ WARNING Failure to follow these instructions may result in product damage, equipment damage, and serious or fatal injury to personnel.

MECHANICAL FEATURES

Enclosure:	Thermoplastic, glass fiber reinforced
Actuator:	Separate Actuator, Aluminum (M5 dia. mounting holes) with plastic snap cover
Switch Mounting:	2 x M5 round and 2 x M5 elongated holes
Operational Temperature:	-30°C/+80°C -22°F/+176°F
Contact Type:	1 N.O. - 1 N.C. with forced disconnect of N.C. contacts
Mechanical Life:	1 million switch operations
Protection:	IP 65/Nema 4
Termination:	4 screw terminal connections M3.5 Screws

ELECTRICAL FEATURES

Rated voltage:	= 500V AC Max
Rated current:	= 10 A max. sustained current
CSA:	10A, 300VAC, A300, Same polarity

Utilization Categories per IEC 945-5-1,
AC = 15
DC = 13

APPROVALS



STANDARDS

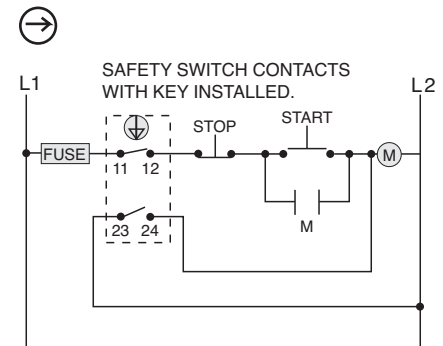
VDE 0113
VDE 0660 Part 200
IEC 947-5-1
GS-ET 15

Description

Safety Switch with positive opening normally closed contacts which can only be activated with a specially designed mating key that protects against unintended operation.

Features

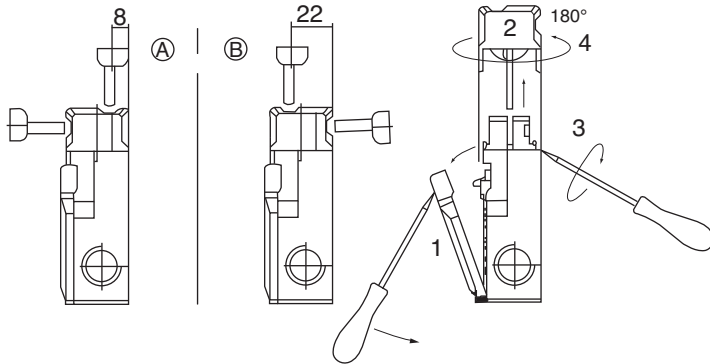
- Easy installation
- Actuator head can be oriented to 4 different approach directions quickly and easily
- Positive opening of the normally closed contacts for safety
- UL listed
- NEMA-4 rating
- Easy wiring access
- 3 cable entry holes with M20X1.5 threads
- 1/2" NPT conduit adaptor supplied with switch - part # 104-8001-004
- Strain relief adaptors are available to order - part # 280-8035-002



Special wiring for the safety-interlock switch to prevent tampering. The N.O contact 23-24 short circuits the coil of motor starter (M) with key removed. If the N.C. contact 11-12 were jumpered, the fuse would blow when the key is removed from the switch and an attempt is made to restart the circuit.

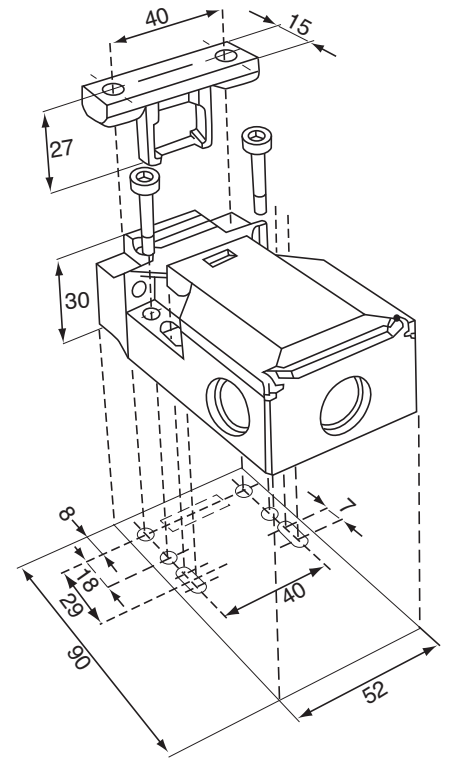
NOTE: Fuse to be 10 Amp slow acting or 16 Amp fast acting type.

Actuation Directions



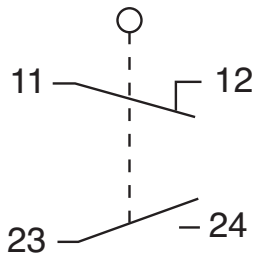
- 4 approach directions by changing the cap's position A or B.
- Cover 1 has to be opened before changing cap 2.
- Insert the screwdriver point into the separable gap housing and rotate screwdriver (until the cap unlocks) 3.
- Remove the cap and according to picture 4 turn around 180°, to put into housing and close the cover to lock cap.
- Radial actuation will reduce the mechanical life of the switch. Observe the minimum radius as shown in the Actuator Mounting directions.
- Unused key slots covered with plastic insert.

Mechanical/Dimensions mm

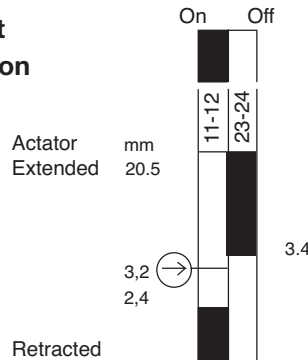


mm x .0394 = inches

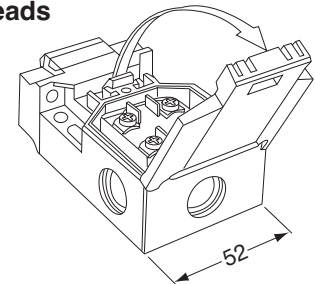
Switching Diagram



Contact Operation

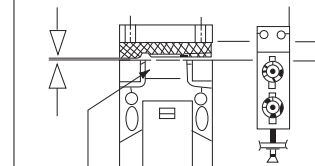
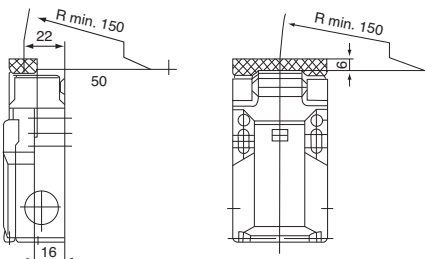
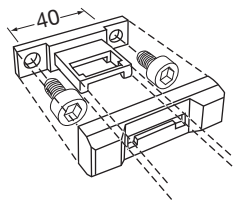


Threaded Entrance Holes M20 Threads



Supplied with 1/2" NPT Conduit Adaptor

Actuator Mounting



Don't use the switch as stop.

Warranty

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