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

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 elongated holes
Operational Temperature: -30°C/+80°C
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

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

STANDARDS

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.

Switching Diagram

Contact Operation

Threaded Entrance Holes M20

Actuator Mounting

Don’t use the switch as stop.
Warranty

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