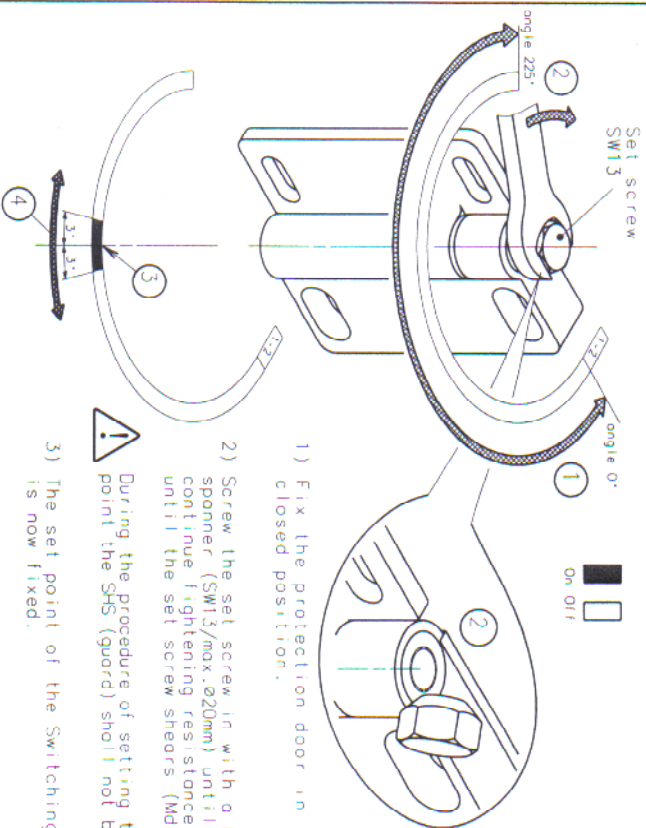


A positive drive between the wing and the shaft of the safety hinge switch must be achieved straight after positioning in order to fulfill the conventional use of this safety switch.
The procedure described below must be carried out so that the safety hinge switch performs the conventional safety function.

Attention: Additional change is not possible any more!

The safety contact 1-2 is open until the fixation of the set point. The necessary procedure is the following:

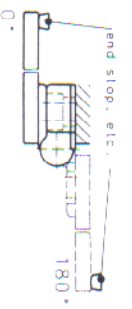
Fixation of the set point



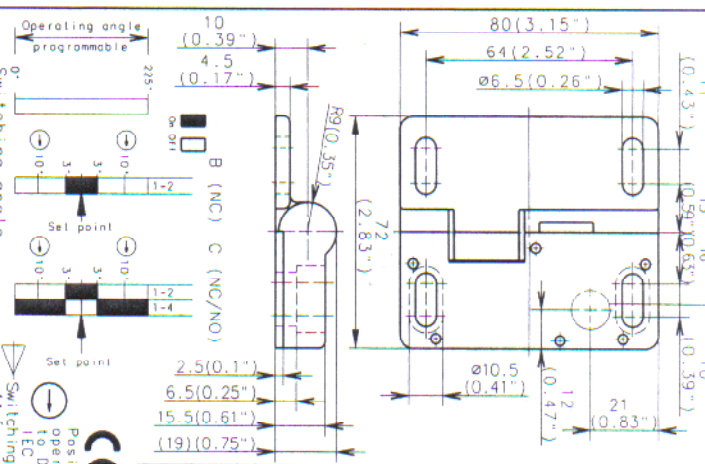
- 1) Fix the protection door in the closed position.
- 2) Screw the set screw in with a box spanner (SW13/max. $\varnothing 20\text{mm}$) until continue tightening resistance is met until the set screw shears (Md=22 Nm)
- 3) The set point of the Switching angle is now fixed.
- 4) An increased actuation force (torque approx. 10 Nm) is required during the first use of the guard.

The hexagonal head of the set screw must always be sheared off. The safe activation of the switch will otherwise not be guaranteed!

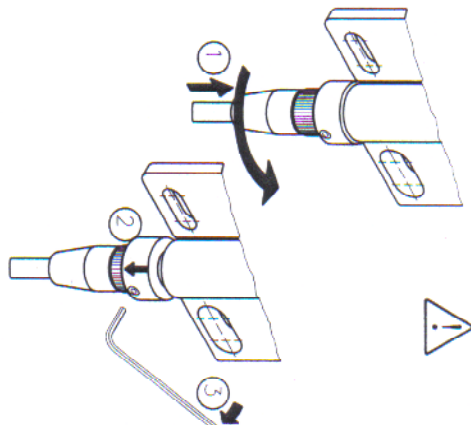
The operating angle must be limited by outer end stops!



Dimension



Manipulation-protection



The electrical connection for the BC licensed SHS is only approved when the following connecting cables are used:
Straight connector: 325-1103-234
Angle connector: 325-1103-236
cable length: 5m

Operating angle programmable 225°

Switching angle 0°

Tolerance: ±3°

Mechanical specification

Housing: 00-2n
Cover: 00-2n
Wing: 00-2n
Ambient air temperature: -13°F - 136°F, cable fixed installation
Min: 25 mm plying cable
Contact types: 10 \oplus /B/10/1C \ominus C
Switch frequency: 1200 switch operations/h
Mounting: 4xM6 screw DIN 7984 or DIN 5912
Weight: approx. 0.88 lb
Protection class: IP67
Built in location: selectable
Terminal: see listing
Mechanical life: 1x10 ⁶ switch operations
Switching point: ±3° from setpoint
Tolerance: ±2.0°/-1.5°
The switching point operates in both directions related to set point.
Forced disconnection: ±10° from set point
Forced disconnection torque: 1.5 Nm
Spec. operating range: 0° - 180°
max. operable range: 0° - 225°
max. load: see data sheet

Enduring current: 3 A

Short-circuit protection: 4kg/96

Utilisation category: DC-15, 60 V DC/0.5 A or AC-15 230V AC/1.5 A

Rated insulation voltage: U-250 V

Electrical specification

Enduring current: 3 A	Standards: EN 60204-1, EN 60947-5-1, EN 60529, GS-ET15
Short-circuit protection: 4kg/96	
Utilisation category: DC-15, 60 V DC/0.5 A or AC-15 230V AC/1.5 A	
Rated insulation voltage: U-250 V	
Short-circuit protection: 2kg/46	
Utilisation category: DC-15, 24 V DC/0.0 A or AC-15 24 V AC/1.0 A	
Rated insulation voltage: U-60 V	

Safety instructions

- With an ambient temperature of 30°C on accelerated aging of the connecting cable is possible.
- The connecting cable shall be protected against mechanical damages. Stripping is only to be achieved in cable conductors or cable trenches.
- SHS shown with operating angle permanently set and set screw removed
- To avoid excessive radial stress in applications containing large doors, a dummy angle should be mounted either in pairs or in conjunction with proper setting of the switching point.
- The specific load will be only achieved after
- The switching diagram shows the content after setting of the switching point.
- The customer has to follow the application standards for the correct design of the mechanical dimensions of the guard (e.g.: EN 294, EN 933, EN 1088, ...)