

Hinges operating safety switches



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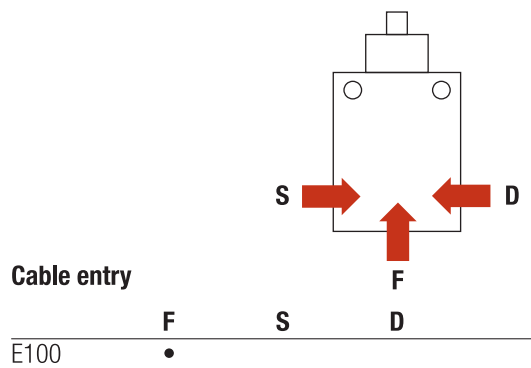
Safety switches for hinges are devices used to guarantee operator safety, applied to machines fitted with protection barriers. Metal shaft switches are ideal for the control of doors and gates, with application directly to the hinge. This kind of actuator is available on the series **E100** with thermoplastic or metal body and metal head, with **IP66** protection degree.

Reduced angle of operation

they guarantee stopping of dangerous movement when **the lever reaches an angle of 4° 30'**.

In conformity with standards:

IEC EN 60947-5-1 • EN 60947-1 • UNI EN 1088
 EN ISO 12100-1 • EN ISO 12100-2 • IEC 529 • EN 60529
 VDE 0660-200 • VDE 0113 • UNI EN 13850



Fixing

E100	20/22 mm
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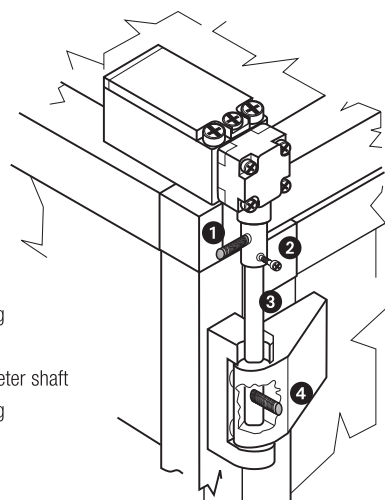
Thread

Thread	Series part no.
Pg 13,5	E100
M20x1,5	E101
1/2" NPT (on request)	E102
Pg 11 (on request)	E103
M16x1,5 (on request)	E104
M12 connector (on request)	E100/M12

Notes for installation

Instructions for correct installation:

- Fix the switch in place to the door frame with two screws
 Connect the safety circuit to the NC contact (21-22, 01/11-12, 04)
- Insert an 8 mm diameter shaft **3** protruding from the door hinge, in the shaft of the switch and fix it in place temporarily with the M4 screw **2**
- Adjust the opening point of the NC contact by rotating the shaft to reduce the standard opening angle (5°)
- Drill the pin **3** through one of the two holes in the shaft and fix it in place with the locking plug **1**



- 1 Locking plug
- 2 M4 screw
- 3 8 mm diameter shaft
- 4 Locking plug

Applications:



Machines with safety barriers



E100

Contact element	
1NO+1NC slow action 	01
2NC slow action 	04
Weight	kg
Pack	pcs
H	mm

standard article

Cable entry				Contact travel
PG 13,5		M20 x 1,5		
Metal head Plastic body	Metal head Metal body	Metal head Plastic body	Metal head Metal body	
E10001SCI	E10001SCM	E10101SCI	E10101SCM	
E10004SCI	E10004SCM	E10104SCI	E10104SCM	
0,125	0,215	0,125	0,215	
1	1	1	1	
76,5	74	76,5	74	

