

Pull wire safety switches

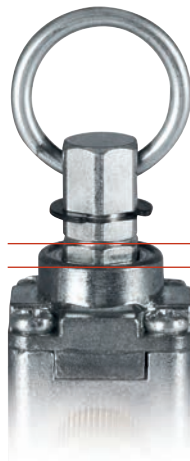


Pull wire safety switches

Pull wire safety switches are essential for the continuous control of a long line of machines or parts extending over a considerable length. They guarantee the safety of the operator, who is able to control the immediate stop of the machinery from any point in the operating zone when no or few automatic systems to cut off the power supply are present. This kind of actuator is available on the series **E100-E200-E400** with thermoplastic or metal body and metal head, with **IP66** protection degree.

Wire tension indicator

For the exact cable tension, check that the notch on the drive shaft is in line with the head.



Reset button

Block reset that guarantees the locking of the NC head in the open position after a single operation.



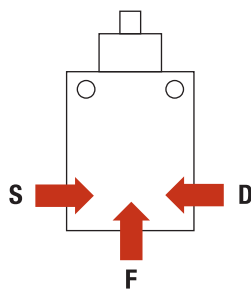
In conformity with standards:

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

Applications:



Long lines of machines: conveyor belts, textile machines, printing machines, etc...



Fixing

E100	20/22 mm
E200	20/22 and 40/42 mm
E300	40 mm
E400	30 mm

Cable entry

	F	S	D
E100	•		
E200		•	•
E300	•	•	•
E400	•		

Thread

Pg 13,5	
M20x1,5	
1/2" NPT (on request)	
Pg 11 (on request)	
M16x1,5 (on request)	
M12 connector (on request)	

Series part no.

E100	E200	E300	E400...
E101	E201	E301	E401...
E102	E202	E302	E402...
E103			
E104			
E100/M12	E200/M12	E300/M12	E400/M12

Dedicated contact block

Dedicated contact block 08 with longer travel for pull-wire switches: cable vibrations will have no influence on the correct operation of the limit switch.



closed contacts
 opened contacts

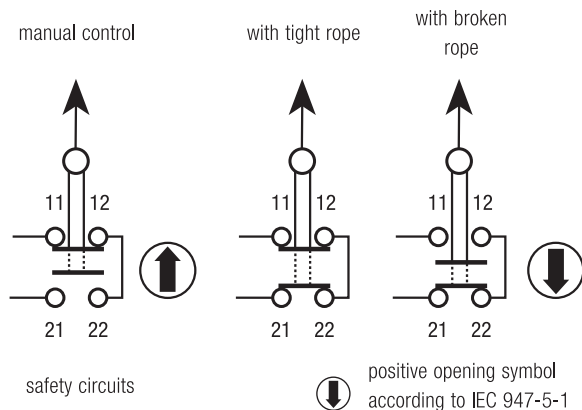
*tight rope
 Tension force: 50N / final 60 N

* Installation travel: any cable vibrations will have no influence on the correct operation of the limit switch.

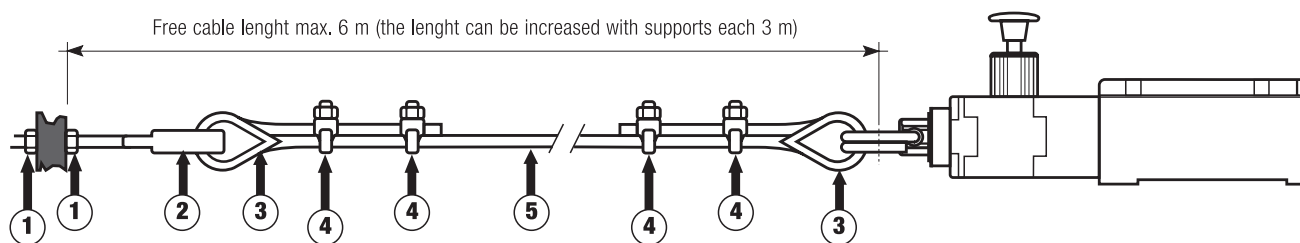
Indications for correct operation

The switch has to be fitted in such a way that the cable is sufficiently taut and closes both contacts. For the exact cable tension, check that the notch on the drive shaft is in line with the head.

Contacts position during operation for contact block 08



NOTE: the contacts 11-12 and 21-22 have to be connected in series



Examples of connection

Free cable length max. 6 m (increase the length with supports each 3 m).

Notes

- ① BM 10 DIN 439 hexagonal nut
- ② part no. 005 - BM 10 DIN 439 ring with thread
- ③ part no. R05 - B - 5 mm DIN 6899 noose
- ④ part no. M05 - 5 mm DIN 1480 clamp
- ⑤ part no. F05 - PVC steel cable, Ø 5 mm

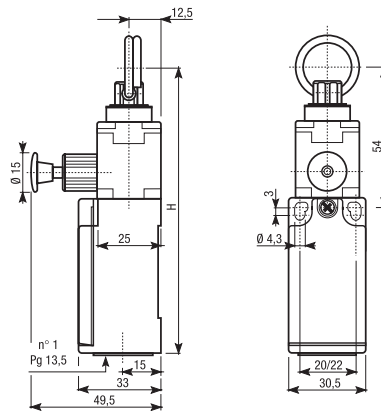


E100

Contact element	
2NC slow action 	08
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	
E10008TBI	E10008TBM	E10108TBI	E10108TBM	
0,195	0,29	0,195	0,29	mm 6 * 4 1 mm 0 11-12 21-22
1	1	1	1	
111,5	109	111,5	109	





E200



E400

Contact element		Cable entry	
		PG 13,5	M20 x 1,5
2NC slow action 08	Metal head Plastic body	Metal head Plastic body	
	E20008TBI	E20108TBI	
Weight	kg	0,22	
Pack	pcs	1	

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	 mm 6 * 4 1 mm 0 11-12 21-22
E40008TBI	E40008TBM	E40108TBI	E40108TBM	
0,24	0,465	0,24	0,465	
1		1		

