

Safety Position Switch Series 8070

- Explosion protection to
 - CENELEC
 - IEC
- Can be used in Zone 1 und Zone 2
- Enclosures have protection class "increased safety"
- Replaceable contact elements in flameproof enclosure
- Attachment can be displaced through 4 x 90°
- Category 2 safety position switch by means of separate actuators

STAHL

Position switches are used to monitor the position of moving parts of machines and plant.


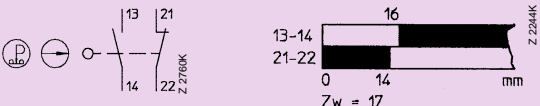
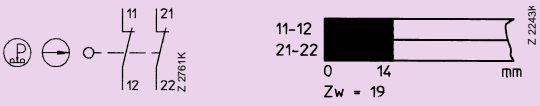
Can be used in safety circuits, as the device satisfies EN 60 947-5-1/DIN VDE 0660 part 200, and the opening contacts are positive opening. The position switch with positive opening contacts has been tested to professional association test standard GS-ET 15 of the German Employer Liability Insurance Association, and is thus licensed for personnel protection functions.

Category 2 safety position switches do not have contact and actuating element in one unit but can be connected or separated functionally.

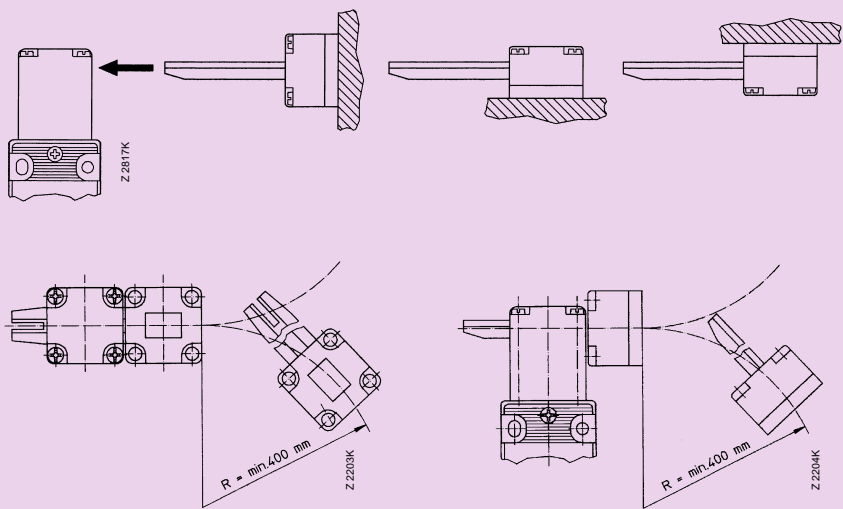
As a result of the galvanic isolation of the moving contacts, the position switch is suitable for switching various potentials.

Zone 1 and Zone 2

Selection table

Series	Version	Ordering code	Weight [kg]
 <p>Safety switch with separate actuator</p>		8070/1 - 1 - ZB	0,208
		8070/1 - 3 - ZB	0,208
<p>Positively opening (P) and operator safety (S)</p> <p>Note: Switch must not be used as mechanical stop</p>			

Technical data

Explosion protection	EEx ed IIC T6
Test certificate	PTB Nr. Ex-96.D.3129
Rated operational voltage U_e	max. 500 V, AC; max. 250 V, DC; max. 250 V, UC, for unequal potential
Rated operational current I_e	max. 10 A
Back-up fuse	6 A, time-lag, DIAZED, 10 A, quick-acting
Ambient temperature	6 A: - 25° C ... + 70° C 10 A: - 25° C ... + 50° C
Degree of protection	IP 65
Actuation	<p>The actuators can be fitted in several ways, this substantially increases the range of application of the switches</p> 

Dimensions and further technical data see position switch 8070, pages 9/12 and 9/13.