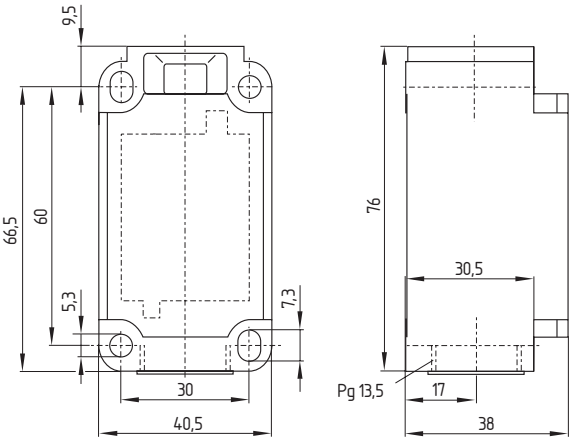


3. Position switches with safety function / Class 1
3.7 Z/T 336 range



Features

- Thermoplastic enclosure
- Double insulated
- Available with 2 positive break NC contacts to EN 60 947-5-1
- Snap action with constant contact pressure up to switching point
- Slow action available with 2 positive break NC contacts
- Slow action available with overlapping or staggered contacts
- Wiring compartment
- Wide range of alternative actuators
- Actuator heads can be repositioned in steps 4 x 90°
- Angle of roller lever adjustable in 10° steps
- Good resistance to oil and petroleum spirit

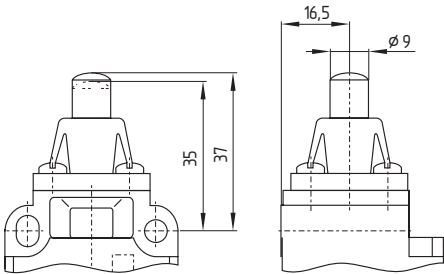
Info

- Available with M 12 plug (A-coding), ordering suffix -ST
- Available with M 12 plug (B-coding), ordering suffix -2310
- Cable entry 1/2" NPT, ordering suffix -NPT
- Cable entry M 20 x 1.5, ordering suffix -M20
- Metal rollers on enquiry

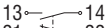
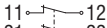
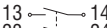
Ordering details

Position switch with safety function / class 1 series Z/T 336 with plunger S with snap action with two NC contacts and M 12 plug with B-coding: ZS 336-02z-2310

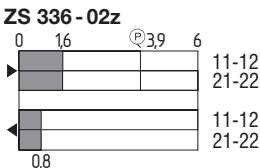
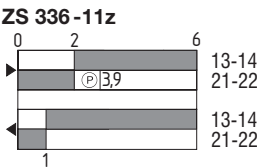
Plunger S



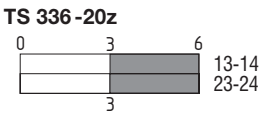
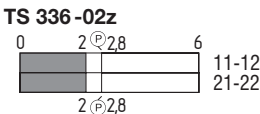
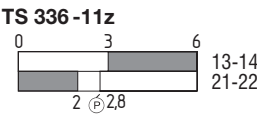
- Features
- Actuator type B to EN 50041
 - Required actuating force
12 N for snap action,
17 N for slow action
 - Actuating speed with actuating
angle 0° to switch axis
max. 0.5 m/s

Contacts/ Switch travel	1 NO		2 NC		2 NO	
	1 NC					

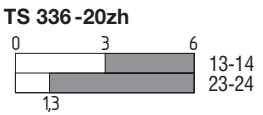
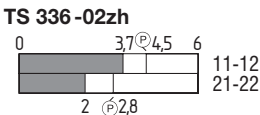
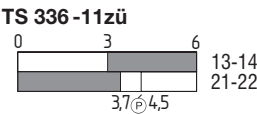
Snap action



Slow action



Slow action,
overlapping contacts



3.

3.9

Position switches with safety function / Class 1

Technical data

	Z/T 256	Z/T 335	Z/T 336
Standards:	IEC/EN 60947-5-1; EN 1088; BG-GS-ET-15		
Design:	Fixings to EN 50047	EN 50047	
Enclosure:	Glass-fibre reinforced thermoplastic, self-extinguishing	Zinc diecasting, enamelled	Glass-fibre reinforced thermoplastic, self-extinguishing
Protection class:	IP 67 to IEC/EN 60529/DIN VDE 0470-1		
Contact material:	Silver		
Contact type:	Change-over with double break Zb or 2 NC contacts, with galvanically separated contact bridges		
	NC contacts with positive break		
Switching system:	⊖ IEC 60947-5-1; Ⓢ BG-GS-ET-15; slow or snap action, NC contacts with positive break		
	Snap action Z or slow action T		
Termination:	Screw terminals for max. 2.5 mm ² cables (including conductor ferrules)		
Rated impulse			
withstand voltage U _{imp} :	6 kV	6 kV; -03z, -12z: 4 kV	6 kV
Rated insulation voltage U _i :	500 V	500 V; -03z, -12z: 250 V	500 V
Thermal test current I _{th} :	10 A		
Utilisation category:	AC-15; DC-13		
Rated operating			
current/voltage I _e /U _e :	4 A/230 VAC; 2.5 A/400 VAC; 1 A/500 VAC; 1 A/24 VDC		
Max. fuse rating:	10 A (slow blow); 16 A (quick blow), 6 A (slow blow) as positive break position switch		
Ambient temperature:	– 30 °C ... + 80 °C		
Mechanical life:	20 million operations	30 million operations	
Switching frequency:	Max. 5,000/h		
Switching point accuracy:	–		
Actuating speed:**	Z 256: Min. 10 mm/min	Z 335: min. 10 mm/min	Z 336: min. 10 mm/min
	T 256: Min. 60 mm/min	T 335: min. 60 mm/min	T 336: min. 60 mm/min
Contact break for			
complete stroke:	Z 256: 2 x 2 mm	–	
	T 256: 2 x 3.5 mm		
Bounce duration:	Z 256: < 3 ms	Z 335: *	Z 336: *
	T 256: *	T 335: < 2 ms	T 336: < 2 ms
Switchover time:	Z 256: > 5.5 ms	Z 335: < 2 ms	Z 336: < 2 ms
	T 256: *	T 335: *	T 336: *
Positive break force:	See switch description		
Positive break stroke:	See switch description		



*

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In accordance with actuating speed

For the switch plunger