

Position switches with safety function / Class 1

Actuator

Z/T 236 series

SCHMERSAL

data hard copy no pdf.

418 6710 -
6748 22**Features:**

- Thermoplastic enclosure
- Double insulated
- Available with 2 positive break NC contacts
- Snap action with constant contact pressure up to switching point
- 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

Plunger S

Features:

- Actuator type B to EN 50047
- Actuating force: Min. 9 N
- Positive break force: 19 N
- Actuating speed with actuating angle 0° to switch axis
Snap action: Min. 10 mm/min, max. 1 m/s;
Slow action: Min. 60 mm/min, max. 1 m/s
- Available latching in actuated position on snap action versions

Technical data:

Standards:	IEC/EN 60947-5-1; EN 1088; BG-GS-ET-15
Design:	DIN EN 50047
Enclosure:	glass-fibre reinforced thermoplastic, self-extinguishing
Protection class:	IP 67 to IEC/EN 60529
Contact material:	silver
Contact type:	change-over contact with double break, type Zb or 2 NC contacts, with galvanically separated contact bridges

Switching system:	SAS IEC 60947-3-1; BG-GS-E1-15; slow or snap action, NC contacts with positive break
Termination:	screw terminals
Cable size:	max. 2,5 mm ² , min. 1,5 mm ² , solid and stranded wire (including conductor ferrules)
Cable entry:	1 x M 20; (Pg on request)
Rated impulse withstand voltage U_{imp}:	6 kV
Rated insulation voltage U_i:	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; 1 A / 24 VDC
Max. fuse rating:	10 A (träge); 16 A (flink); 6 A gL/gG D-fuse as positive break position switch
Ambient temperature:	– 30 °C ... + 80 °C
Mechanical life:	20 million operations
Switching frequency:	max. 5000/h
Range:	Z 236 T 236
Actuating speed:	10 mm/min min. 60 mm/min
Contact break for complete stroke:	2 x 2 mm 2 x 3.5 mm
Bounce duration:	< 3 ms *
Switchover time:	> 5.5 ms *
Positive break force:	see switch description
Positive break travel:	see switch description
* in accordance with actuating speed	