

**SCHMERSAL**

**Position switches with safety function / Class 1**

Actuator

*data heard copy no pdf.*

Z/T 236 series



*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:**

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

<b>Switching system:</b>	SA5 IEC 60947-5-1; BG-GS-E1-15; SLOW or snap action, NO contacts with positive break
<b>Termination:</b>	screw terminals
<b>Cable size:</b>	max. 2,5 mm <sup>2</sup> , min. 1,5 mm <sup>2</sup> , solid and stranded wire (including conductor ferrules)
<b>Cable entry:</b>	1 x M 20; (Pg on request)
<b>Rated impulse withstand voltage U<sub>imp</sub>:</b>	6 kV
<b>Rated insulation voltage U<sub>i</sub>:</b>	500 V
<b>Thermal test current I<sub>th</sub>:</b>	10 A
<b>Utilisation category:</b>	AC-15; DC-13
<b>Rated operating current/voltage I<sub>e</sub>/U<sub>e</sub>:</b>	4 A / 230 VAC; 1 A / 24 VDC
<b>Max. fuse rating:</b>	10 A (träge); 16 A (flink); 6 A gL/gG D-fuse as positive break position switch
<b>Ambient temperature:</b>	- 30 °C ... + 80 °C
<b>Mechanical life:</b>	20 million operations
<b>Switching frequency:</b>	max. 5000/h
<b>Range:</b>	Z 236 T 236
<b>Actuating speed:</b>	10 mm/min min. 60 mm/min
<b>Contact break for complete stroke:</b>	2 x 2 mm 2 x 3.5 mm
<b>Bounce duration:</b>	< 3 ms *
<b>Switchover time:</b>	> 5.5 ms *
<b>Positive break force:</b>	see switch description
<b>Positive break travel:</b>	see switch description
* in accordance with actuating speed	