

AZ-7310

Door Limit Switch

For travel control, spacing protection and circuit switching in machinery, including spinning, light-industry and electronic instrument equipment.

Applications

Machine tools, mechanical automatic control, constrained motion, transmission mechanism movement and process control.



Technical Data

Standard	IEC 60947-5-1
Mechanical life	600,000 operations
Electrical life	300,000 operations
Operating frequency	40 operations/min
Operating speed	0.1–0.5 mm/s
Ui / Ith	415 V / 10 A
AC-15	380 V AC; Ie 0.79 A
DC-13	220 V DC; Ie 0.14 A

Mounting Conditions

Ambient temperature	-5°C to +40°C
Protection	IP52
Humidity	85% at 20°C
Altitude	Below 2000 m

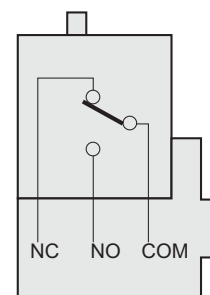
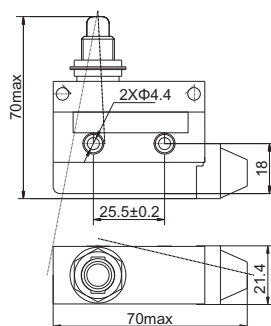
Operating Characteristics

Operating force (OF), max	6 N
Reset force (RF), min	1 N
Pretravel (PT), max	2.5 mm
Overtravel (OT), min	2.5 mm
Differential travel (MD), max	1.2 mm
Operating position (OP)	—
Free position (FP), max	21.8 ± 1.2 mm

CERTIFICATIONS



Overall and Mounting Dimensions / Contact Type



SLS-101

Door Limit Switch

Precise switching for electrical enclosure doors.

- Stainless plunger and spring
- No positioning limit
- Electrically separated contacts
- Consistent, precise operating points
- Replaceable snap-action contacts
- Immune to electromagnetic disturbances
- Water-proof and oil-proof construction
- Double-spring mechanism for longer mechanical life

Door simulation. Automatic reset.

The SLS-101 allows contact changeover to be simulated without acting directly on the plunger. Pressing the yellow button simulates a closed enclosure door, allowing assigned personnel to perform modifications or maintenance inside the electrical board. Normal operation is automatically restored when the enclosure door closes.



Electrical & Mechanical

Casing material	Plastic
Rated current / AC-15	6 A at 250 V
Insulation voltage U _i	690 V
Impulse withstand U _{imp}	6 kV
Shock protection (IEC 61140)	Class II
Protection / EN 60529	IP65
Mounting positions	All permitted
Applicable standards	IEC 947-5-1 / EN 60947-5-1

Environmental Conditions

Operating temperature	-25°C to +70°C
Storage temperature	-30°C to +80°C
Relative humidity	≤ 85%, non-condensing

CONTACTS

Snap action · 1NO + 1NC

CERTIFICATIONS

CE / RoHS

Connection Diagram / Dimensions (mm)

