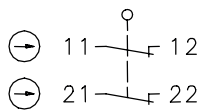


Plastic bodied limit switch

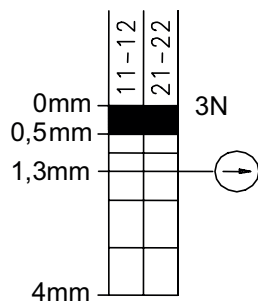
Series IN62

Description IN62-SA2ZBX SK KV SW	Article number 6183000439
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Operating symbol

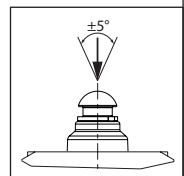
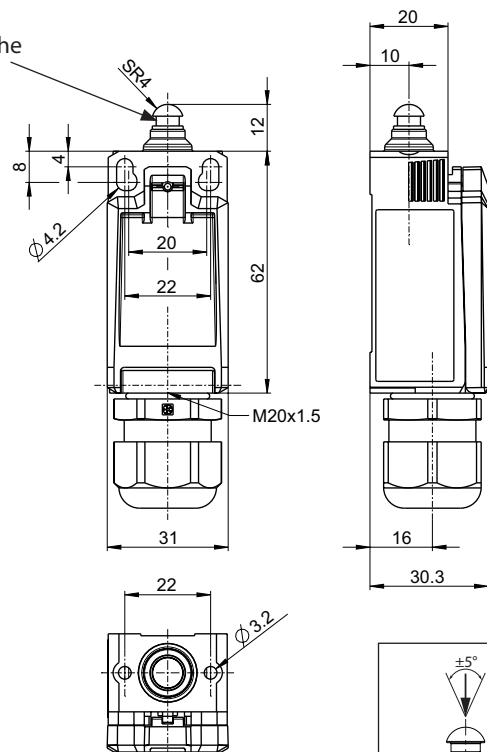
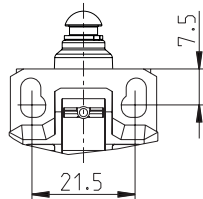


Operating diagram



The switch must be reset manually via the groove in the plunger.

Fixed positioning with
e.g. fixing screw M5
according to the standard
DIN EN ISO 4762.



☒ ON

☐ OFF

Tolerances:
Operating point $\pm 0,3$ mm;
Operating force ± 2 N

Electrical data		
Protection class		II
Contact elements		
Rated insulation voltage	U_i	250 V AC
Conv. thermal current	I_{the}	10 A
Utilization category		AC-15, U_e / I_e 240 V / 3 A
		DC-13, U_e / I_e 250 V / 0,27 A
Min. Voltage		24 V
Min. Current		5 mA
Direct opening action		according to IEC/EN 60947-5-1, Annex K
Short-circuit protective device		Fuse 4 A qG

Mechanical data		
Enclosure		Thermoplastic, glass fibre reinforced (UL 94-V0)
Cover		Thermoplastic, glass fibre reinforced (UL 94-V0)
Actuating		Plunger (thermoplastic)
Velocity for actuating	V_{max}	0,5m/s
Ambient air temperature		-25 °C ... +50 °C
Contact type		2 NC (Zb)
Switching principle		Snap action, bistable
Mechanical life		5 x 10 ⁴ operating cycles
Connection - contact elements		4 screw terminals (M3,5)
Conductor cross-sections		Solid: 0,5 ... 1,5 mm ² ; Litz wire with ferrules: 0,5 ... 1,5 mm ²
Cable entrance		Sealing cable gland M20x1,5, black; sealing range 5mm- 10mm
Installation position		Operator definable
Contact opening		4 x >2 mm
Protection type		IP67 acc. EN 60529

Actuation	
Actuation only in plunger direction	

ID for safety engineering	
B10d	1 x 10 ⁵ cycles

Standards	
	DIN EN 60947-5-1
	DIN EN ISO 13849-1; DIN EN 81-20

EU Conformity	
	acc. to directive 2014/35/EU (Low-Voltage-Directive)

Approvals	
	TÜV
	cCSA _{US}
	CCC

Notes	
The degree of protection specified (IP code) applies only to a properly closed cover and the use of an equivalent cable gland with adequate cable. The switch may not be used as a mechanical stop.	