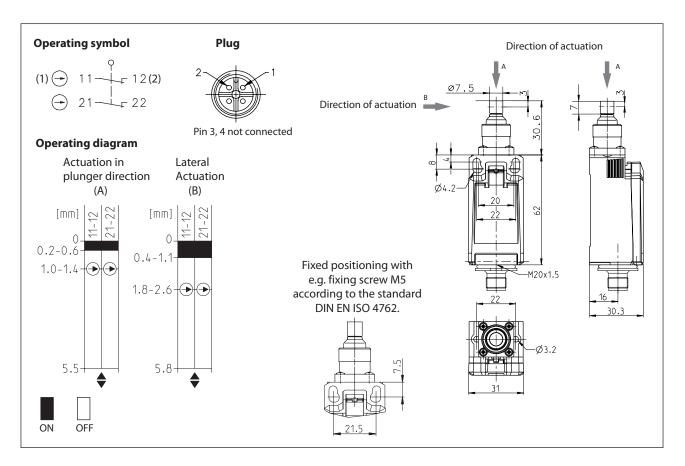


Plastic bodied limit switch

Series IN62

Description IN62-A2Z FF M12

Article number 6183000312



Electrical Data		
Rated insulation voltage	Ui	250 V
Rated impulse withstand voltage	U_{imp}	2,5 kV
Rated operational voltage	U_{e}	240 V AC / 24 V DC
Rated supply frequency AC		50 / 60 Hz
Overvoltage category		II acc. EN 60947-1 annex H table H1
Conv. thermal current	I_{the}	4 A
Minimum current		1 mA
Utilization category		AC 15, U _e /I _e 240 V / 3 A
Direct opening action	Θ	acc. IEC/EN 60947-5-1, annex K
Short-circuit protective device		Fuse 3 A gG
Rated conditional short-circuit current		400 A
Max. contact resistance		25 mOhm (unused)
Protection class		II, totally insulated

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Technical Data



Mechanical data		
Enclosure		Thermoplastic, glass fibre reinforced (UL 94-V0)
Cover		Thermoplastic, glass fibre reinforced (UL 94-V0)
Actuator		Wobble stick with plastic slide
Actuating force	F_{B}	$10 \text{ N} \le \text{F}_{\text{B}} \le 30 \text{ N}$
Operating temperature		-30 °C +75 °C
Storage temperature		-40 °C +80 °C
Protection type		IP67 acc. EN 60529
Pollution degree (built-in switch)		3
Contact material		silver
Device Class (built-in switch)		Category E (MC3+CC2+SC1) acc. EN 60947-1 annex Q
Contact type		2 N.C.
Operating rate	V	$0,06 \text{ m/min} \le \text{V} \le 30 \text{ m/min}$
Bounce duration	ms	< 3 ms
Switchover time	ms	< 8 ms
Switching frequency		≤ 60 / min.
Mechanical life		10 x 10 ⁶ operating cycles
Mission time		≤ 20 years
Connection		Connector M12x1, A-coded
Cable entrance		1 x M20 x1,5
Weight		≈ 0,06 kg
Installation position		operator definable

ID for safety engineering	
B10d	2 x 10 ⁶ cycles

Standards	
	DIN EN 60947-5-1
	UL 508 / CSA C22.2 No.14
	DIN EN ISO 13849-1

EU Conformity

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

Notes

The degree of protection specified (IP code) applies only to a properly closed cover and the use of an equivalent connector. The connector and the cable (fix or flexible mounted) must at least be suitable for the described ambient air temperatures. The connector must not be connected or disconnected when voltage is applied. The mechanical life of the connector is 100 connection cycles.

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