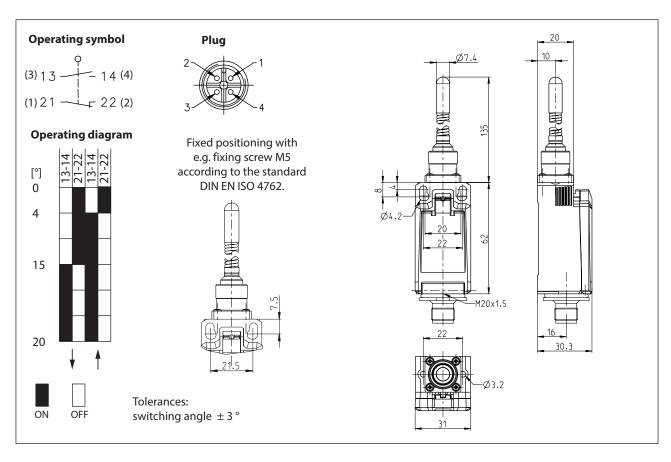


Plastic bodied limit switch

Series IN62

Description IN62-SU1 FF M12

Article number 6183000282



Electrical Data		
Rated insulation voltage	U _i	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	l _{the}	4 A
Minimum current		1 mA
Utilization category		AC 15, U _e /I _e 240 V / 3 A
Short-circuit protective device		Fuse 4 A gG
Rated conditional short-circuit current		400 A
Max. contact resistance		25 mOhm (unused)
Protection class		II, totally insulated

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	$10 \text{ N} \le F_B \le 30 \text{ N}$
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		1 N.C., 1 N.O. (Form Zb)
Operating rate	V	0,06 m/min ≤ V ≤ 30 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
Conductor cross-sections		Solid or Litz wire with ferrules 0,34 mm ² - 1,5 mm ² ; AWG 22-16
Cable entrance		1 x M20 x1,5
Weight		≈ 0,06 kg
Installation position		operator definable

Actuation

The actuator can be approached from all directions with exception of the axial direction.

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

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.

Suitable connector and cable must be used to meet approval requirements.