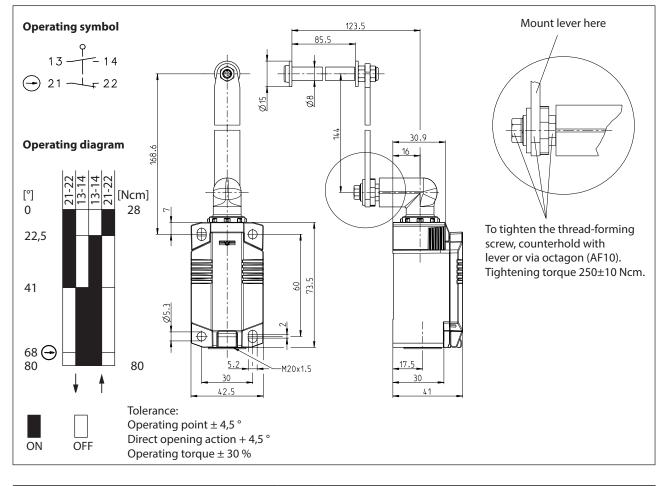


Plastic bodied limit switch

Series IN73

Description IN73-S11 AHK 00 11

Article number 6181000027



Electrical Data		
Rated insulation voltage	U _i	400 V
Rated impulse withstand voltage	U_{imp}	4 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}	5 A
Minimum current		1 mA
Utilization category		AC 15, U _e /I _e 240 V / 3 A; DC 13, U _e /I _e 24 V / 1,5 A
Direct opening action		acc. IEC/EN 60947-5-1, annex K; direct opening torque: 80 Ncm
Short-circuit protective device	Θ	Fuse 4 A gG
Rated conditional short-circuit current		400 A
Protection class		II

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Technical modifications and errors excepted.

The technical datasheet corresponds to the technical state as of 2023-05-31 and will not be removed in case of changes.

Technical Data



Mechanical data		
Enclosure		Thermoplastic, glass fibre reinforced (UL 94-V0)
Cover		Thermoplastic, glass fibre reinforced (UL 94-V0)
Actuator		Metal lever with plastic roller / lever in 15 ° increments adjustable
Operating temperature		-30 °C +75 °C
Storage temperature		-40 °C +80 °C
Protection type		IP66 / IP67 acc. EN 60529, Type 4X – Indoor Use only
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. (Form Zb), 1 N.O.
Bounce duration	ms	< 3 ms
Switchover time	ms	< 8 ms
Switching frequency		≤ 30 / min.
Mechanical life		100.000 switching cycles
Mission time		\leq 20 years
Connection		4 screw connections (M3)
Conductor cross-sections		0,34 mm ² - 1,5 mm ² ; AWG 22-16 (solid or stranded wire with ferrules)
Cable entrance		1 x M20 x1,5
Weight		≈ 0,25 kg
Installation position		operator definable

Actuation

The actuating device is preferably started from 2 sides.

By lifting the clamp the actuation assembly can be rotated in 45° increments such that 16 actuation directions are possible. The actuation assembly is to be again fastened to the housing by lowering the clamp.

ID for safety engineering (electrical and mechanical)		
B10d Opening error (NC)	$\leq 2 \times 10^{5}$ cycles (@ DC-13; 24 V; $I_{e2} = 0,1 \text{ A}$)	
B10d Closing error (NO)	$\leq 2 \times 10^{5}$ cycles (@ DC-13; 24 V; I _{e2} = 0,1 A)	

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

EU Conformity

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

CCC	
cUL _{us}	

Notes

The degree of protection (IP code) specified applies solely to a property closed cover and the use of an equivalent cable gland with adequate cable.

The lever with roller and corresponding fixing material is supplied loose with the switch.

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