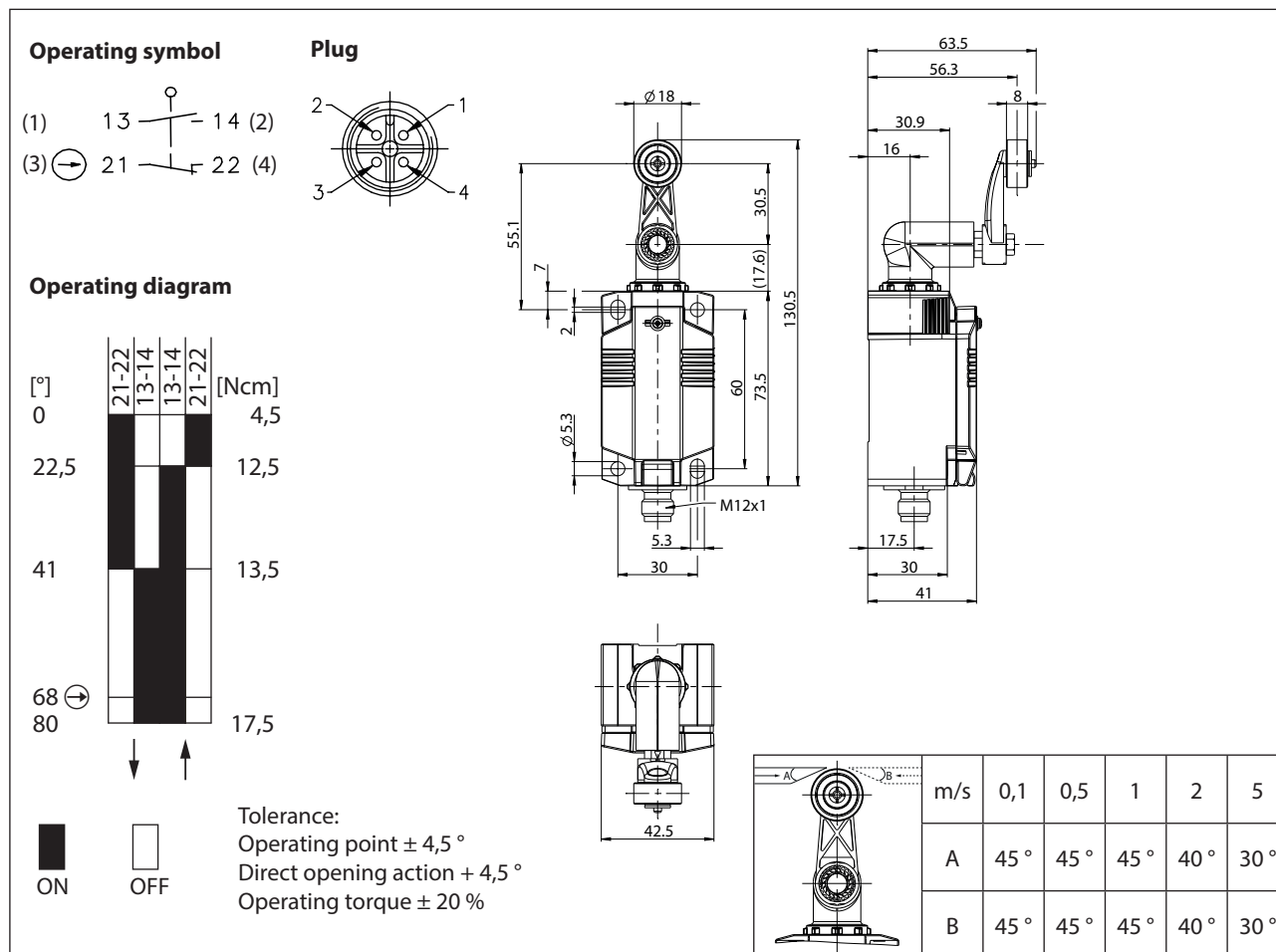


# Plastic bodied limit switch Series IN73

Description **IN73-S11 AHK 03**

Article number **6081000137**



Electrical Data		
Rated insulation voltage	$U_i$	250 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	$I_{the}$	3 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: 21,5 Ncm
Short-circuit protective device		Fuse 4 A gG
Rated conditional short-circuit current		400 A
Protection class		II, totally insulated

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	≤ 60 / min.
Mechanical life	15 x 10 <sup>6</sup> operating cycles
Mission time	≤20 years
Connection	Plug M12x1, 4-pole, A-coded
Weight	≈ 0,18 kg
Installation position	operator definable

Actuation
<p>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.</p>

ID for safety engineering
B10d N.C. 20 x 10 <sup>6</sup> cycles
B10d N.O. 1 x 10 <sup>6</sup> cycles

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)

Approvals
CCC
cUL <sub>US</sub>

Notes
<p>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.</p>