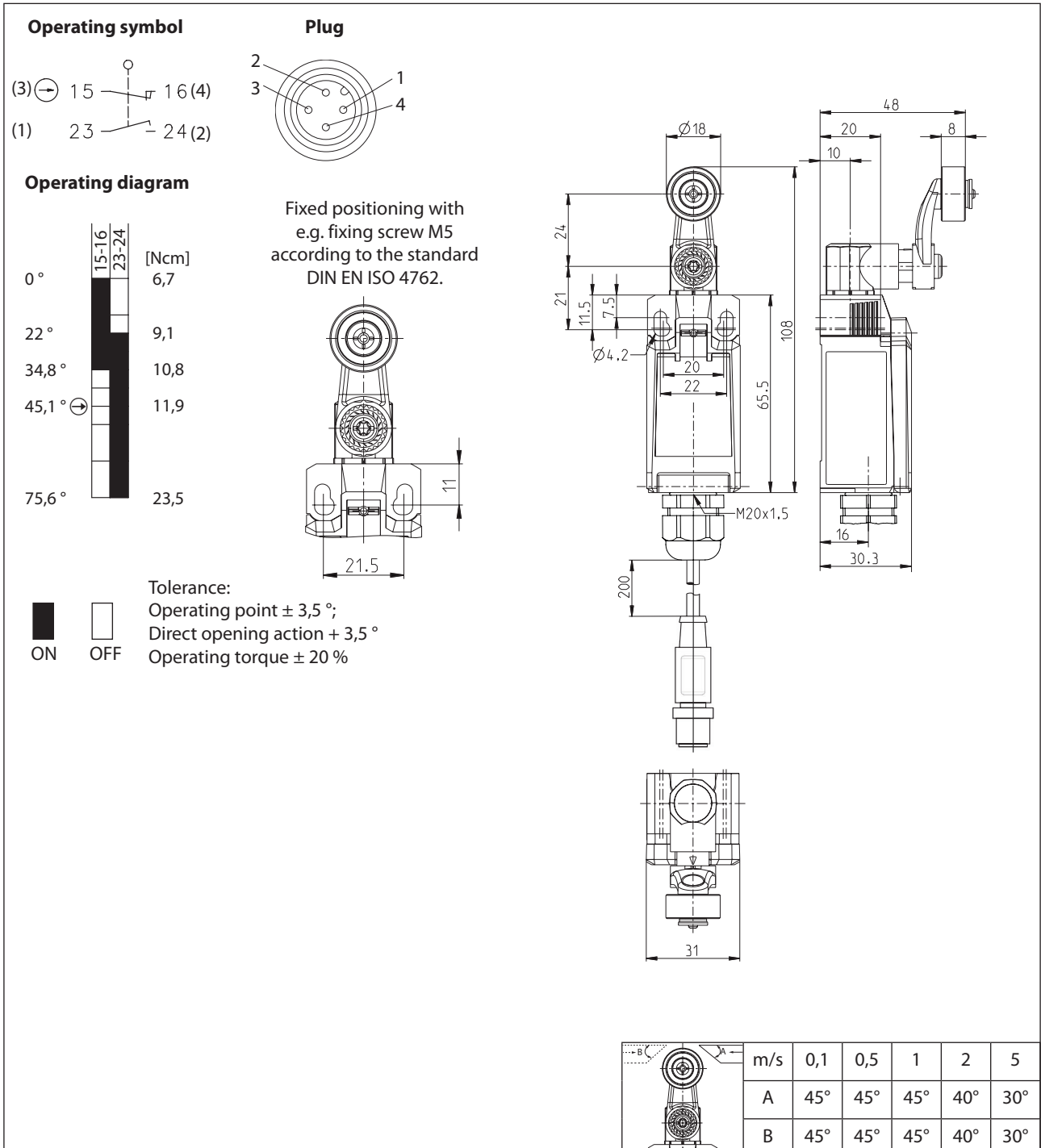


# Plastic bodied limit switch Series IN65

Description **IN65-UV1Z AHK KV0.2**

Article number **6183000237**



Electrical Data		
Rated insulation voltage	$U_i$	300 V
Rated impulse withstand voltage	$U_{imp}$	2 kV
Rated operational voltage	$U_e$	240 V AC / 24 V DC
Rated supply frequency AC		50 / 60 Hz
Conv. thermal current	$I_{the}$	will be determined and added
Minimum current		1 mA
Utilization category		AC 15, $U_e/I_e$ 240 V / 3 A DC 13, $U_e/I_e$ 24 V / 4 A
Direct opening action	⊖	acc. IEC/EN 60947-5-1, annex K; direct opening force: 24 N
Short-circuit protective device		Fuse 4 A gG
Rated conditional short-circuit current		400 A
Max. contact resistance		25 mOhm (unused)

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
Actuating force	$F_B$	10 N ≤ $F_B$ ≤ 30 N
Operating temperature		-30 °C ... +75 °C
Storage temperature		-40 °C ... +80 °C
Protection type		IP66 / 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. (Form Zb), 1 N.O.
Isolating distance		4 mm (2x2 mm) (switch contacts)
Operating rate	$V$	0,06 m/min ≤ $V$ ≤ 30 m/min
Bounce duration	ms	The value depends on the operating rate.
Switchover time	ms	The value depends on the operating rate.
Switching frequency		≤ 60 / min.
Mechanical life		15 x 10 <sup>6</sup> operating cycles
Mission time		≤20 years
Connection		Cable 4 x 0,34 mm <sup>2</sup> x 0,2 m, cable gland with plug connector 4-pole
Weight		≈ 0,09 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>

Standards
VDE 0660 T200, DIN EN 60947-5-1, IEC 60947-5-1
UL 508 / CSA C22.2 No.14

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

**Approvals**

cCSA<sub>US</sub> B300, 240Vac 1.5A G.P., 24Vdc 1.5A R. Enclosure Type 4X

**Notes**

The degree of protection (IP code) specified applies solely to a property 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. Suitable connector and cable must be used to meet approval requirements.