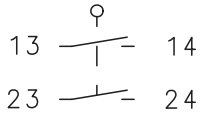
Plastic bodied limit switch
Series IN65-modular system

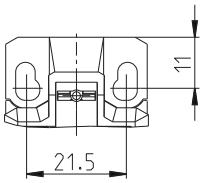
Description **IN65-SE2 M20**	Article number **6083000275**

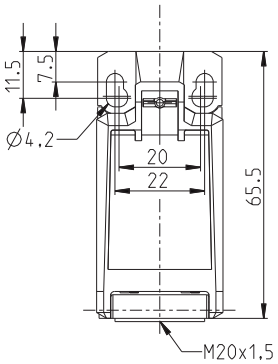
Operating symbol

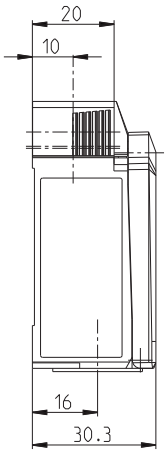


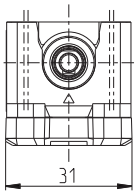
Enclosure with built-in switches without actuating device

Fixed positioning with e.g. fixing screw M5 according to the standard DIN EN ISO 4762.









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 / 4 A
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)
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		2 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		15 x 10^6 operating cycles
Mission time		≤20 years
Connection		4 screw connections (M3)
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

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	
	CCC (AC 15, U_e/I_e 240 V / 1,5 A; DC 13, U_e/I_e 24 V / 1,5 A)

Notes
The degree of protection (IP code) specified applies solely to a property closed cover, the use of an equivalent cable gland with adequate cable and mounted actuating device. The information on the switching travel can be found in the data sheets of the actuator, as these depend on the actuator used. Approvals / properties applies only to the fully assembled device.