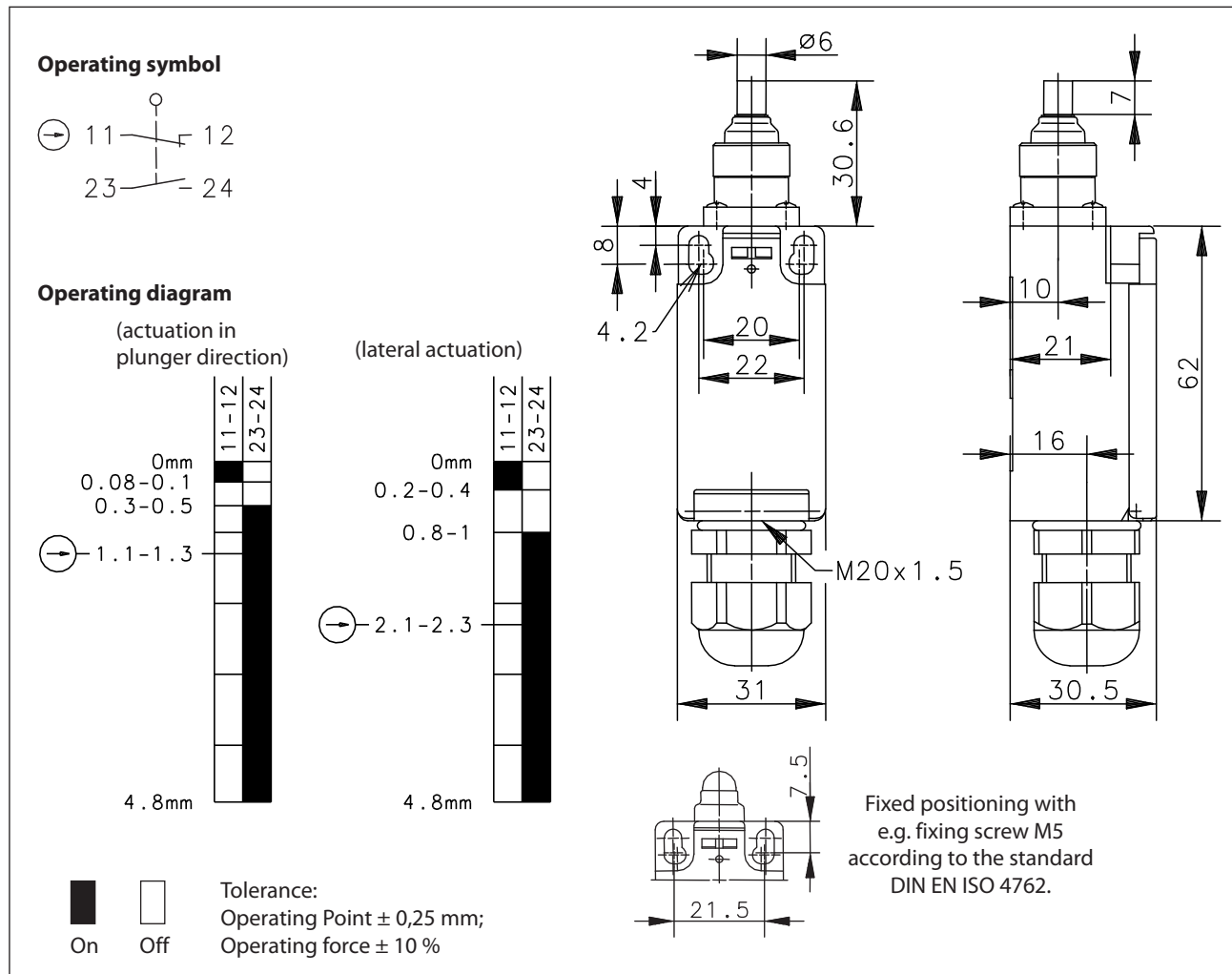


Plastic bodied limit switch Series I88

Description **I88-U1Z FF SW**

Article number **6186140484**



Electrical Data

Rated insulation voltage	U_i	250 V AC
Conv. thermal current	I_{the}	1 A (2.5 A)*
Rated operational voltage	U_e	24 V DC (250 V AC)*
Utilization category		AC-15, U_e/I_e 240 V / 3 A
Direct opening action	\ominus	acc. to IEC/EN 60947-5-1, annex K
Short-circuit protective device		Fuse 2 A gG
Protection class		II, totally insulated

Mechanical data	
Enclosure	Thermoplastic, glass fibre reinforced (UL 94-V0), black
Cover	Thermoplastic, glass fibre reinforced (UL 94-V0), black
Actuator	Plunger (metal)
Ambient air temperature	-30 °C ... +80 °C
Contact type	1 NC, 1 NO (Zb)
Mechanical life	1 x 10 ⁶ operating cycles
Switching frequency	≤ 100 / min.
Assembly	2 x M4
Connection	4 screw connections (M3,5)
Conductor cross-sections	Solid: 0,5 ... 1,5 mm ² or Litz wire with ferrules: 0,5 ... 1,5 mm ²
Cable entrance	1 x cable gland M20 x 1,5 (clamping range 5-10 mm)
Weight	≈ 0,12 kg
Installation position	operator definable
Protection type	IP65 acc. to EN 60529

ID for safety engineering	
B10d	2 x 10 ⁶ cycles

Standards	
	VDE 0660 T100, DIN EN 60947-1, IEC 60947-1
	VDE 0660 T200, DIN EN 60947-5-1, IEC 60947-5-1
	DIN EN ISO 13849-1

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

Notes	
The specified protection classification (IP code) applies only when the cover is closed and the appropriate cable is used, in accordance with the clamping range of the above mentioned cable gland.	
* Bracket values refer to an actuation distance of min. 1.25 mm	