

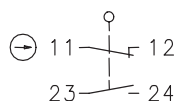
Metal bodied limit switch

Series GC

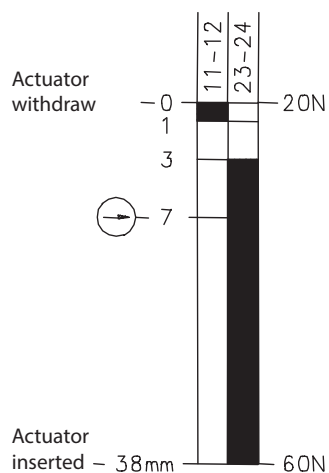
Description **GC-U1Z VT 90GR**

Article number **6121100555**

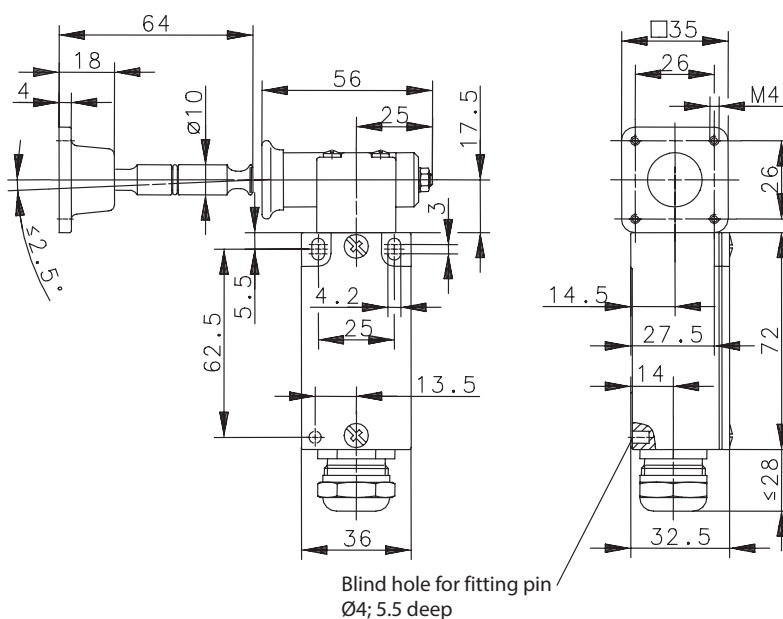
Operating symbol



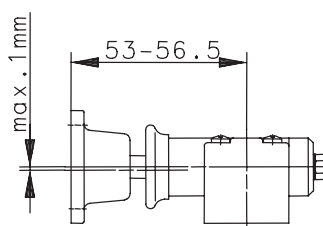
Operating diagram



Tolerance:
Operating Point $\pm 0,3$ mm;
Operating torque ± 10 %



Built in dimension



Electrical Data

Rated insulation voltage	U_i	400 V AC
Conv. thermal current	I_{the}	10 A
Rated operational voltage	U_e	240 V
Utilization category		AC-15, U_e/I_e 240 V / 3 A
Positive opening NC contact		acc. to IEC/EN 60947-5-1, Annex K
Short-circuit protective device		Fuse 10 A gG
Protection class		I

Mechanical data	
Enclosure	Die-cast aluminium
Cover	Sheet aluminium
Actuator	Separate actuator
Ambient air temperature	-30° C ... +80° C
Contact type	1 NC, 1 NO (Zb)
Mechanical life	1 x 10 ⁶ operating cycles
Switching frequency	≤ 10 / 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 (clamp-range 6 – 12mm)
Weight	≈ 0,32 kg
Installation position	operator definable
Protection type	IP65 acc. to IEC/EN 60529

ID for safety engineering	
B10d	2 x 10 ⁶ switching cycles

Standards	
	DIN EN 60947-5-1
	DIN EN ISO 13849-1

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

Approvals	
	cCSA _{US} A300 (same polarity)
	CCC

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. Mounting: When used as safety switch pay attention to EN 60204 (use NC-contacts). Also secure by a set pin (hole within the bottom of the case). Actuator to be fixed with 4 screws M4 at the movable guard. Please pay attention to the specified maximum of misalignment of the actuator. Position of the actuator head determined at works, must not be modified. Screws obviously secured.	