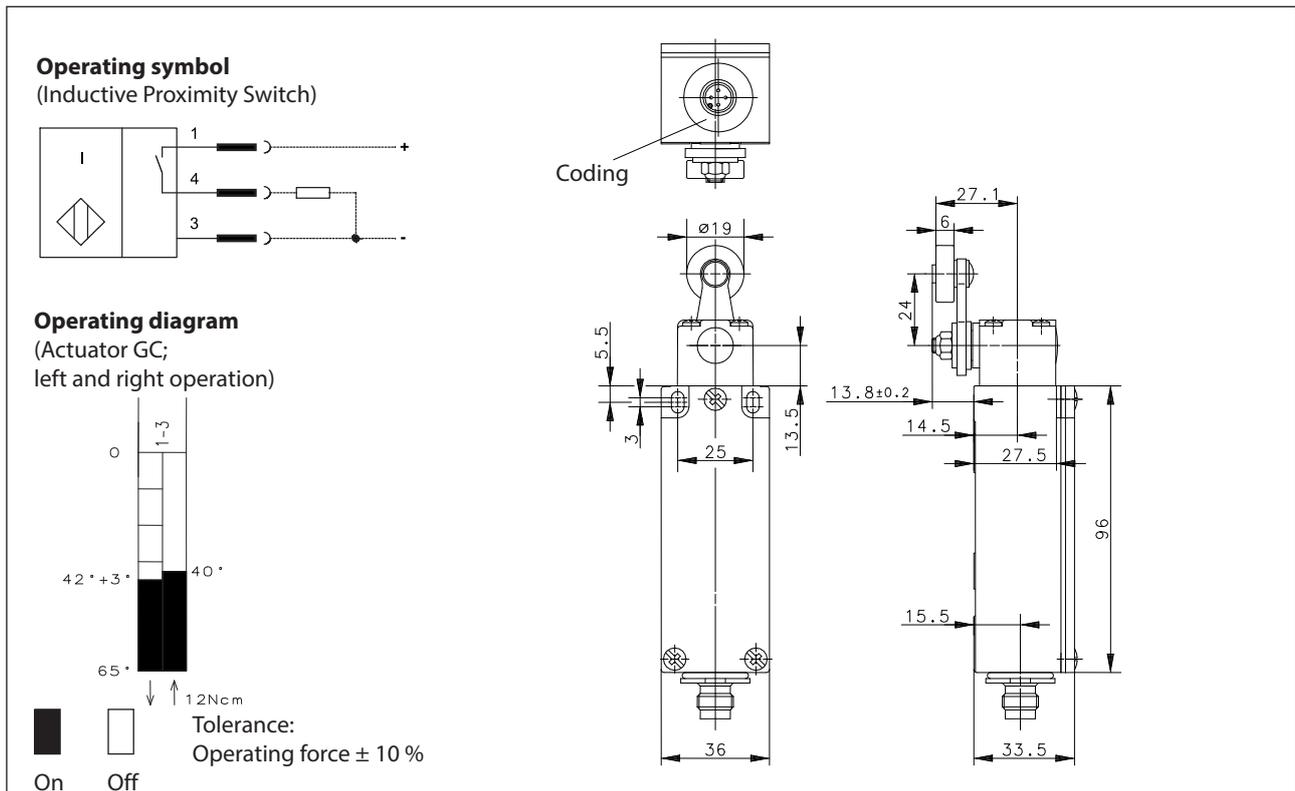


Metal bodied limit switch

Series GC

Description **GC-PNP AHSRK 180GR**

Article number **6122785928**



Electrical Data		
Switching element function		DC NO
Rated operational voltage	U_e	
Operational voltage range	U_B	max. 36 V DC
Rated insulation voltage	U_i	75 V DC
Rated impulse withstand voltage	U_{imp}	500 V
Voltage drop	U_d	$\leq 2,5$ V
Utilization category		DC-13 at $I_e = 50$ mA and $U_e = 33$ V DC
Rated operational current	I_e	200 mA
Minimum operational current	I_m	≤ 1 mA
Off-state current	I_r	$< 0,1$ mA
No-load supply current	I_o	< 11 mA
Switching element		permanent short-circuit and overload protected
Short-circuit protection		pulsed
False polarity protection		yes
Delay prior	t_v	≤ 50 ms

Electromagnetic compatibility (EMC)	
Electromagnetic field test	IEC 61000-4-3
Electrostatic discharge test	IEC 61000-4-2
Electrical fast transient immunity test	IEC 61000-4-4
Radiated disturbance field strength	EN 55011

Mechanical data	
Enclosure	Die-cast aluminium
Cover	Sheet aluminium
Actuator	Lever arm housing (Zn-DG), lever (glass fabric) and depp groove ball bearings
Ambient air temperature	-25 °C ... +70 °C
Mechanical life	10 x 10 ⁶ operating cycles
Switching frequency	≤ 100 / min.
Assembly	2 x M4
Connection	Connector M12x1
Weight	≈ 0,35 kg
Installation position	operator definable
Protection type	IP67 acc. to IEC/EN 60529

Actuation
<p>The actuator can be approached from two sides. By loosening the 4 screws the actuation assembly can be rotated in 90 degree increments such that 8 actuation directions are possible. The actuation assembly is to be again fastened to the housing using the 4 screws.</p>

Standards
VDE 0660 T208, DIN EN 60947-5-2, IEC 60947-5-2 (related to the built-in proximity switch)

EU Conformity
acc. to directive 2014/30/EU

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 500 connection cycles.</p> <p>The switching device may not be limited to max. switching angle 65° down.</p>