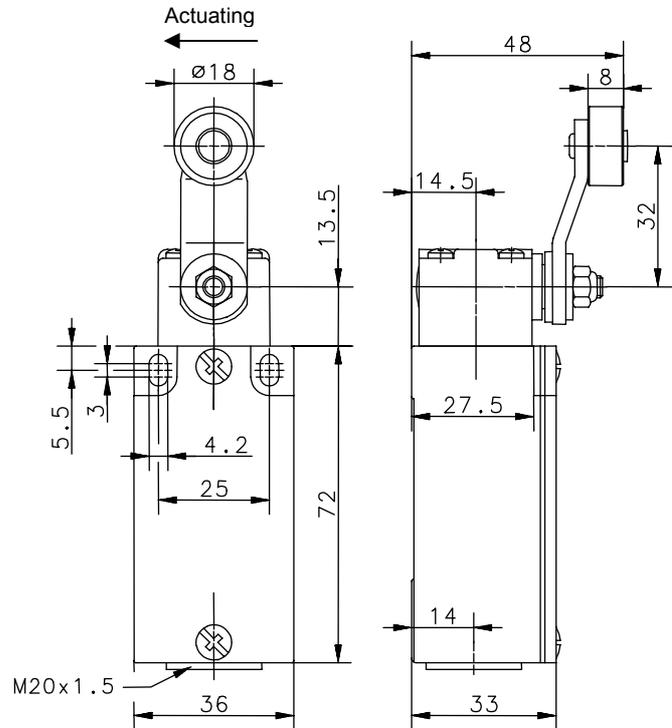
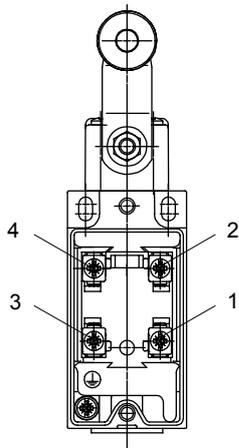
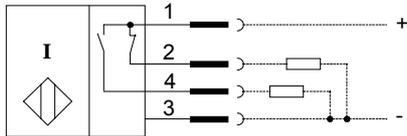


Series GC

Description **GC-PNP AHST**

Article number **6121385805**

Wiring Diagram (Inductive Proximity Switch)



Electrical data (Inductive Proximity Switch)

Rated operational voltage	U_e	12 - 48V DC
Operational voltage range	U_B	10 - 60V DC
Rated insulation voltage	U_i	75V DC
Rated impulse withstand voltage	U_{imp}	500V
Voltage drop	U_d	$\leq 2V$
Utilization category		DC-13
Rated operational current	I_e	300mA @ 70°C, 400mA @ 20°C
Minimum operational current	I_m	$\leq 1mA$
Off-state current	I_r	$< 0,1mA$
No-load supply current	I_o	$< 8,1mA$
Rated conditional short-circuit current		100A
Switching element		PNP Transistor
Short-circuit protection		pulsed
Rated supply frequency		DC
False polarity protection		protection against reverse supply polarity

Electromagnetic compatibility (EMC) (Inductive Proximity Switch)

Electromagnetic field test	IEC 61000-4-3
Electrostatic discharge test	IEC 61000-4-2
Electrical fast transient immunity test (Burst)	IEC 61000-4-4
Impulse voltage withstand ability (Surge)	IEC 255-5
Radiated disturbance field strength	EN 55011

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Mechanical data

Enclosure	Die-cast aluminium
Cover	plate aluminium
Actuator	Lever arm housing (Zn-DG), lever and roller (St)
Operating point	40° ±5%
preset	
adjustable range	30° ... 45°
Operating torque	10Ncm
Ambient air temperature	-25°C ... +70°C
Mechanical life	10 x 10 ⁶ operating cycles
Switching frequency	≤ 100 / min.
Assembly	2 x M4
Connection	4 screw terminals (M3.5)
Conductor cross-sections	Solid: 0.5 ... 1.5mm ² Litz wire with ferrules: 0.5 ... 1.5mm ²
Cable entrance	1 x M20x1.5
Weight	≈ 0,22 kg
Installation position	Operator definable
Protection type	IP65 acc. to IEC/EN 60529

Actuation

By loosening the 4 screws the actuation assembly can be rotated in 90 degree increments such that 4 actuation directions are possible. The actuation assembly is to be again fastened to the housing using the 4 screws.

Standards

VDE 0660 T100, DIN EN 60947-1, IEC 60947-1
VDE 0660 T200, DIN EN 60947-5-1, IEC 60947-5-1
VDE 0660 T208, DIN EN 60947-5-2, IEC 60947-5-2

EU Conformity



Notes

The degree of protection specified (IP code) applies only to a properly closed cover and the use of an equivalent cable gland with adequate cable.