

GN817.1 Assembly Instructions and Properties

Electrical Properties of the Sensor

Output function	2x normally open (NO)	
Output type	2x PNP	
Supply voltage	12 - 30 V DC	
Continuous current I_a	≤ 100 mA	
Connection type Plug (S)	4-pole connector M8x1, freely rotating with knurled screw connection	
Protection type	IP 67	
Power consumption	≤ 15 mA	
Voltage drop	≤ 2.2 V	
Protection class	III	
Temperature range	-20 °C ... +75 °C	
Shock and vibration resistance	30 g, 11 ms / 10 ... 55 Hz, 1 mm	
EMC	According to EN 60947-5-2	
Reverse polarity protection	Yes	
Short-circuit protection	Yes	
Activation impulse suppression	Yes	
Communication interface	IO-Link (V1.0) Cycle time 2.3 ms Process data length 2 bits Process data structure: Bit 0 = Switching signal Q ₁ Bit 1 = Switching signal Q ₂ Bit 2...7 = Empty	
Approvals, conformity declarations		

Pneumatic Properties

Operating pressure	4 - 6 bar
Operating medium	Filtered, dried air, unoiled or oiled
Temperature range	-20 °C ... +80 °C

Assembly Instructions

The radial position of the sensor cable can be freely determined when installing the sensor clip.

Installation steps:

1. Insert the sensor into the sensor clip from the side.
2. Tighten the hexagon socket screw of the sensor.
3. Clip the sensor clip into the ring groove of the indexing plunger and then adjust the position by turning, if necessary.
4. During commissioning, teach the sensor to the end positions via the operating element or IO-Link in accordance with the operating instructions supplied with the sensor.

