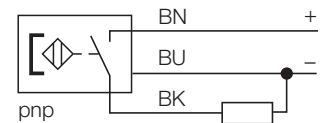


- rectangular, height 16 mm
- front active face
- plastic, PA12-GF30
- magnet-inductive sensor
- 3-wire DC, 10..0.30 VDC
- normally open, pnp output
- cable connection

Wiring diagram

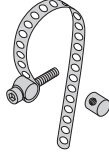
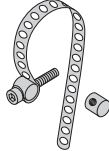


Function principle

Magnetic field sensors are actuated by magnetic fields and are especially suited for piston position detection in pneumatic cylinders. Based on the fact that magnetic fields can permeate non-magnetizable metals, it is possible to detect a permanent magnet attached to the piston through the aluminium wall of the cylinder.

Type	BIM-PST-AP6X
Ident-No.	46240
Pass speed	≤ 10 m/s
Hysteresis	≤ 1 mm
Temperature drift	≤ 0.1 mm
Repetition accuracy	≥ ± 0.1 mm
Ambient temperature	-25...+ 70 °C
Operating voltage	10... 30 V DC
Residual ripple	≤ 10 % U _{SS}
DC rated operational current	≤ 200 mA
No-load current I ₀	≤ 15 mA
Residual current	≤ 0.1 mA
Switching frequency	≤ 1 kHz
Rated insulation voltage	≤ 0.5 kV
Output function	3-wire, normally open, pnp
Short-circuit protection	yes / cyclic
Voltage dip at I _e	≤ 1.8 V
Wire breakage / reverse polarity protection	yes / complete
Housing style	rectangular; PST
Dimensions	23x 14x 16mm
Housing material	plastic, plastic, PA12-GF20
Material active area	plastic, PA12-GF30
Connection	cable
cable quality	Ø 4, grey, LifYY, PVC, 2 m
Cable cross section	3 x 0.25 mm ²
Litz	65 x 0.07 mm ²
Vibration resistance	55 Hz (1 mm)
Shock resistance	30g (11 ms)
Protection degree	IP67
Mounting on the following profiles	
Switch state display	LED yellow
Included in scope of supply	KLP25

Accessories

Type code	Ident-No.	Short text	Dimension drawing
KLP25	69653	mounting on ○ round cylinders; cylinder diameter 8...25 mm (material: metal CuZn), 2 tie bolts (material: metal CuZn), cylinder screw M3 x 20	
KLP80-VA	69654	mounting on ○ round cylinders; cylinder diameter 25..0.80 mm (material: metal A2 1.4301 (AISI 304), 2 tie bolts (material: metal CuZn, alternatively metal A2 1.4301 / AISI 304) cylinder screw M3 x 20; (DIN 912-A20)	
KLP200-VA	6965302	mounting on ○ round cylinders; cylinder diameter 80..0.200 mm (material: metal A2 1.4301 (AISI 304), 2 tie bolts (material: metal CuZn, alternatively metal A2 1.4301 / AISI 304) cylinder screw M3 x 20; (DIN 912-A20)	