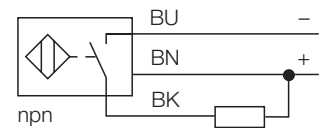


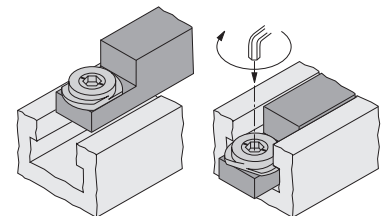
- rectangular, height 6mm
- plastic, PA12
- magnet-inductive sensor
- 3-wire DC, 10..0.30 VDC
- normally open npn output
- cable connection

Wiring diagram



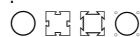
Function principle

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-INT-AN6X
Ident-No.	4623600
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, npn
Short-circuit protection	yes / cyclic
Voltage dip at I _e	≤ 1.8 V
Wire breakage / reverse polarity protection	yes / complete
Housing style	rectangular; INT
Dimensions	32x 5x 6mm
Housing material	plastic, PA12
Material active area	plastic, PA12
Fixing screw tightening torque	0.4 Nm
Connection	cable
cable quality	Ø 3, LiYY-11Y, PUR, 2 m
Cable cross section	3 x 0.14 mm ²
Vibration resistance	55 Hz (1 mm)
Shock resistance	30g (11 ms)
Protection degree	IP67


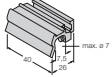

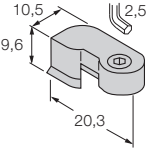



Mounting on the following profiles



Switch state display

LED yellow

Accessories

Type code	Ident-No.	Short text	Dimension drawing
KLZ1-INT	6970410	mounting on  tie-rod cylinders; cylinder diameter: 32..0.40 mm; material: Aluminium; further mounting accessories for other cylinder diameters on request	
KLDT-1	6913342	mounting on  dovetail groove cylinders; clamping width: 10.5..0.120.4 mm; material: Aluminium; further mounting accessories for other clamping widths on request	
KLR1	6970600	mounting to  round cylinders; material: Trogamid; please order retaining straps separately	
INT STOPPER	6900473	mounting on  T-groove cylinders; replacement without loss of switch-point with additional clamp INT stopper; T-groove dimensions: 5..0.50.6 mm	