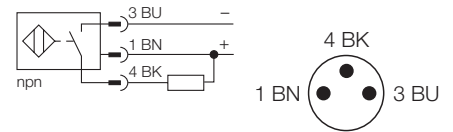


- rectangular, height 17 mm
- metal, GD-Zn
- magnet-inductive sensor
- 3-wire DC, 10..0.30 VDC
- normally open npn output
- connector, M8 x 1

Wiring diagram



Type	BIM-IKT-AN6X-V1131
Ident-No.	46221
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; IKT
Dimensions	30x 14.6x 17mm
Housing material	metal, GD-Zn
Material active area	plastic, PA12-GF30
Connection	connector, M8 x 1
Vibration resistance	55 Hz (1 mm)
Shock resistance	30g (11 ms)
Protection degree	IP67


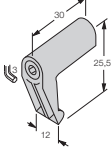

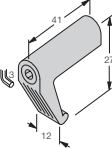

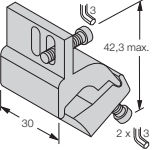

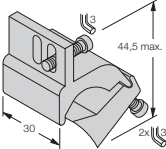

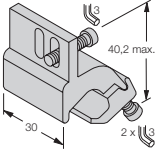

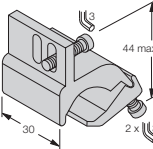

Function principle

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.

Mounting on the following profiles	
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Switch state display	LED yellow
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Accessories

Type code	Ident-No.	Short text	Dimension drawing
KLI1	69710	mounting on  tie-rod cylinders; cylinder diameter 32..0.100 mm; material: die-cast zinc	
KLI3	69712	mounting on  tie-rod cylinders; cylinder diameter 63..0.160 mm; material: die-cast zinc	
KLI5Z	6971803	mounting on  tie-rod cylinders; cylinder diameter 32...63 mm; material: aluminum	
KLI6Z	6971806	mounting on  tie-rod cylinders; cylinder diameter 50..0.125 mm; material: aluminum	
KLI5	6971802	mounting on  profile cylinders; cylinder diameter 32...50 mm; material: aluminium	
KLI6	6971805	mounting on  profile cylinders; cylinder diameter 50..0.100 mm; material: aluminium	
KLI 7	6971810	mounting on  profile cylinders with external dovetail groove; cylinder diameter 32...200 mm; material: aluminium	