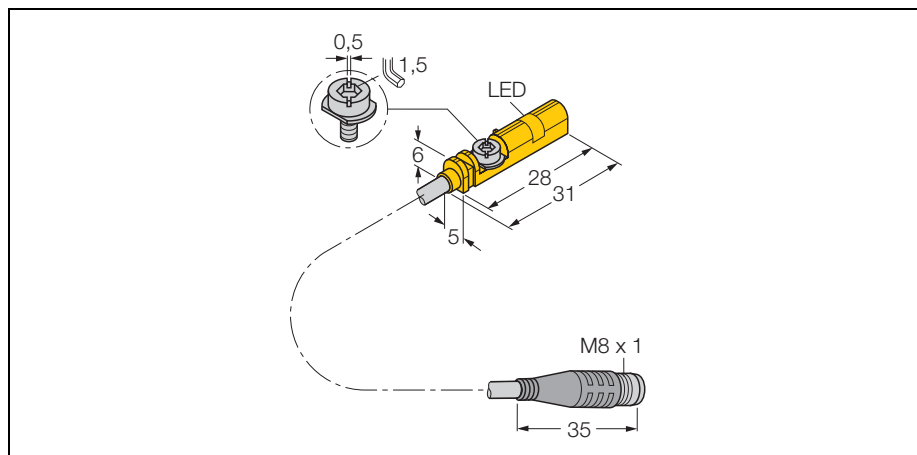


magnetic field sensor for pneumatic cylinders BIM-UNT-AN6X-0,3-PSG3S

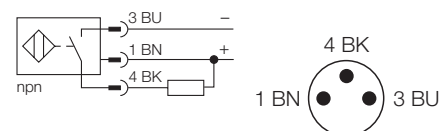
TURCK
works

Industrial
Automation



- for T-groove cylinders without mounting accessories
- Optional accessories for mounting on other cylindrical housings.
- One-hand mounting possible
- Direct mounting of fine adjustment and stopper on the sensor
- stable mounting
- magneto-resistive sensor
- 3-wire DC, 10...30 VDC
- normally open npn output
- connector, M8 x 1

Wiring diagram



Functional principle

Magnetic field sensors are activated 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-UNT-AN6X-0,3-PSG3S
Ident-No.	4685705
Pass speed	≤ 10 m/s
Hysteresis	≤ 1 mm
Temperature drift	≤ 0.1 mm
Repeatability	≥ ± 0.1 mm
Ambient temperature	-25...+ 70°C
Operating voltage	10... 30VDC
Residual ripple	≤ 10 % U _{SS}
DC rated operational current	≤ 150 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 drop at I _e	≤ 1.8V
Wire breakage / Reverse polarity protection	yes / complete
Housing	rectangular, UNT
Dimensions	28 x 5 x 6 mm
Housing material	plastic, PP
Material active face	plastic, PP
Connection	connectors, M8 x 1
Tightening torque fixing screw	0.4 Nm
Cable quality	Ø 3, grey, Lif9Y-11Y, PUR, 0.3 m Suited for für E-ChainSystems® acc. to manufacturers declaration H1063M
Cable cross section:	3 x 0.14mm ²
Vibration resistance	55 Hz (1 mm)
Shock resistance	30g (11 ms)
Degree of protection	IP67
Display switch state	LED yellow
Included in scope of supply	cable clip