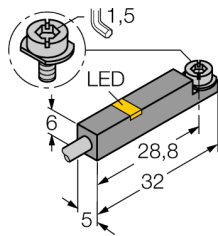
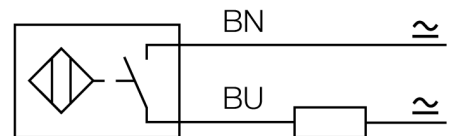


Magnetic Field Sensor for pneumatic cylinders BR-INT-ADZ71X



- Rectangular, height 6mm
- Plastic, PA12
- Reed contact (non-polarized)
- AC 2-wire, 3...140 VAC
- DC 2-wire, 4...200 VDC
- Cable connection

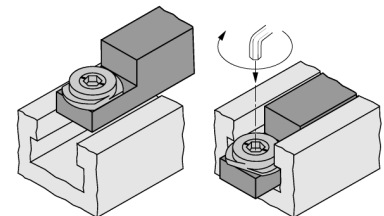
Wiring Diagram



Reed

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.

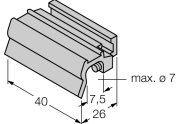

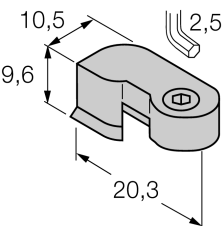

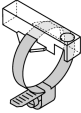



Type designation	BR-INT-ADZ71X
Ident-No.	4700510
Pass speed	≤ 10 m/s
Repeatability	≤ ± 0.1 mm
Temperature drift	≤ 0.1 mm
Hysteresis	≤ 1 mm
Ambient temperature	-25...+90 °C
Operating voltage	3...140VAC
Operating voltage	4...200 VDC
AC rated operational current	≤ 100 mA
DC rated operational current	≤ 100 mA
Switching capacity	≤ 10 W
No-load current I ₀	≤ 0 mA
Residual current	≤ 0 mA
Isolation test voltage	≤ 0.5 kV
Short-circuit protection	no
Voltage drop at I _N	≤ 3 V
Wire breakage/Reverse polarity protection	no/ yes
Output function	2-wire, NO contact, Reed
Switching frequency	0.5 kHz
Design	Rectangular,INT
Dimensions	32 x 5 x 6 mm
Housing material	Plastic, PP
Active area material	Plastic, PP
Tightening torque fixing screw	0.4 Nm
Electrical connection	Cables
Cable quality	3mm, Gray, Lif9Y-11Y, PUR, 2
Cable cross section	2 x 0.14 mm ²
Vibration resistance	55 Hz (1 mm)
Shock resistance	30 g (11 ms)
Protection class	IP67
Packaging unit	1
Mounting on the following profiles	.
Cylindrical design	○ □ □ □ ○
Switching state	LED, Yellow

**Magnetic Field Sensor
for pneumatic cylinders
BR-INT-ADZ71X**

**Magnetic Field Sensor
for pneumatic cylinders
BR-INT-ADZ71X**

Accessories

Type code	Ident-No.	Description	
KLZ1-INT CLAMP	6970410	Accessories for mounting the sensors BIM-INT and BIM-UNT on tie-rod cylinders; Cylinder diameter: 32...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...12.4 mm; material: Aluminium; further mounting accessories for other clamping widths on request	
KLR1	6970600	Mounting on  round cylinders; material: Trogamid; please order retaining straps separately	
INT STOPPER	6900473	Mounting on  T-groove cylinders; replacement without loss of switching point with additional clamp INT stopper; T-groove dimensions: 5...5.6 mm	