

METER STOP



Suitable for all material handling applications.

Conveyors, trunion & table lockouts, assembly & test equipment.

Compact, yet robust

Max. continuous side load 70 LBF @ 60 PSI (Limited by cylinder size)

Max. impact load 50LB @ 30 FT/Min.

Hardened steel to hardened steel slide.

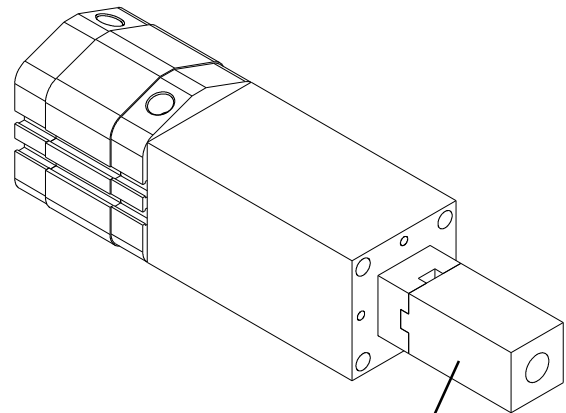
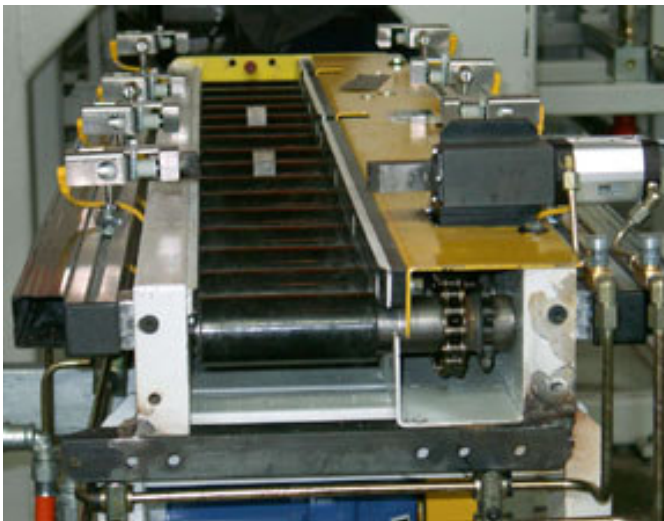
Compatible with any manufacturer's compact cylinder

25, 40mm standard stroke.

Standard or customized keyed end piece

Replaceable end of 4140 steel. Machinable, can be flamehardened.

Vertical or horizontal mounting

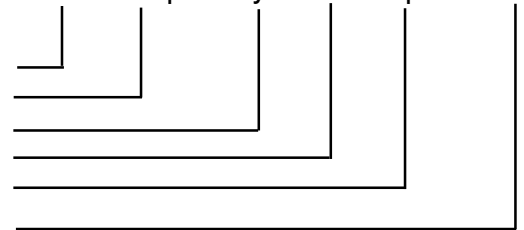


Part Number

Optional Nose

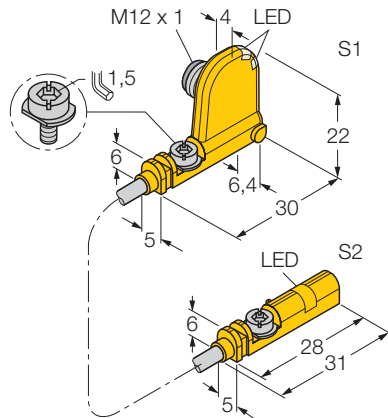
MMS-25-Stroke-Coupler-Cyl-Nose-Wiper-Switch

5-40mm
Rap or Rigid
Wel 1 or 4
Blank or A
Blank or W
Blank or LO



magnetic field sensor for pneumatic cylinders

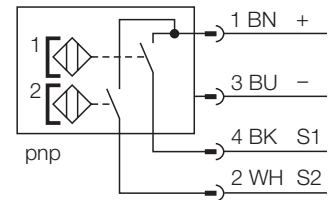
BIM-UNT-0,1-UNT-2AP6X3-H1141



- 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
- Optimum for monitoring two switching points on a cylinder
- No Y-junction required
- magneto-resistive sensor
- 2 x normally open, pnp output
- 4-wire DC, 10...30 VDC

| | |
|---|----------------------------------|
| Type | BIM-UNT-0,1-UNT-2AP6X3-H1141 |
| Ident-No. | 4685734 |
| Ambient temperature | -25...+ 70 °C |
| Operating voltage | 10... 30 VDC |
| Residual ripple | ≤ 10 % U _{ss} |
| DC rated operational current | ≤ 150 mA |
| No-load current I ₀ | ≤ 30 mA |
| Residual current | ≤ 0.1 mA |
| Rated insulation voltage | ≤ 0.5 kV |
| Short-circuit protection | yes / cyclic |
| Voltage dip at I _e | ≤ 1.8 V |
| Wire breakage / Reverse polarity protection | yes / complete |
| Output function | 4-wire, normally open, pnp |
| Switching frequency | ≤ 1 kHz |
| Housing | rectangular, UNT |
| Dimensions | 30 x 5 x 22 mm |
| Housing material | plastic, PP |
| Material active area | plastic, PP |
| Connection | Connector, M12 x 1 |
| Cable quality | Ø 3, grey, Lif9Y-11Y, PUR, 0.1 m |
| Cable cross section: | 3 x 0.14 mm ² |
| Vibration resistance | 55 Hz (1 mm) |
| Shock resistance | 30g (11 ms) |
| Degree of protection | IP67 |
| Operating voltage display | LED green |
| Display switch state | 2 x LED yellow / yellow |
| Included in scope of supply | 2x cable clip |

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.

