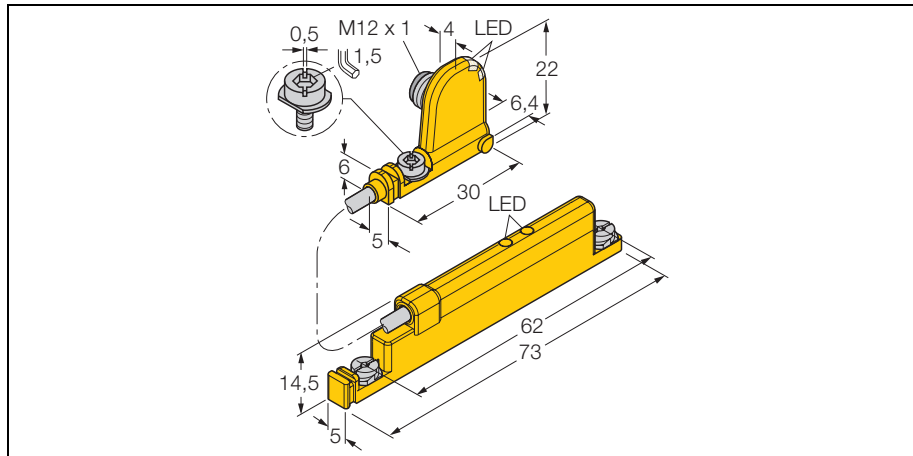


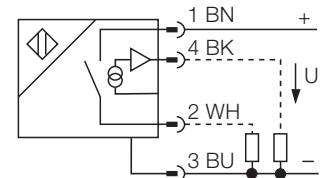
Linearwegsensor for analogue pneumatic cylinder monitoring WIM45-UNTL-0,3-BIM-UNT-LUAP6X4-H1141



- Plastic, PA12-GF30
- For direct mounting on pneumatic T-groove cylinders
- Status of magnetic field displayed via two LEDs
- Measured value memory
- Hardly affected by external magnetic fields
- 4-wire, 15...30 VDC
- normally open, pnp output
- analogue output
- 0...10 V
- connector, M12 x 1

Type	WIM45-UNTL-0,3-BIM-UNT-LUAP6X4-H1141
Ident-No.	1536623
Pass speed	≤ 10 m/s
Hysteresis	3... 15 %
Ambient temperature	-25...+ 70°C
Operating voltage	15... 30VDC
Residual ripple	≤ 10 % U_{SS}
DC rated operational current	≤ 150 mA
No-load current I_0	≤ 23 mA
Switching frequency	≤ 1 kHz
Rated insulation voltage	≤ 0.5 kV
Output function	4-wire, normally open, PNP/analogue output
Short-circuit protection	yes
Wire breakage / Reverse polarity protection	yes / complete
Linearity deviation	≤ 1% of full scale
Housing	rectangular, UNTL
Housing material	plastic, PA12-GF30 / PP
Material active face	plastic
Connection	connectors, M12 x 1
Tightening torque fixing screw	0.4 Nm
Cable quality	Ø 3, LiYY-11Y, PUR, 0.3 m
Cable cross section:	3 x 0.14mm ²
Vibration resistance	55 Hz (1 mm)
Shock resistance	30g (11 ms)
Degree of protection	IP67
Operating voltage display	LED green
Display switch state	LED yellow
Included in scope of supply	cable clip

Wiring diagram



Functional principle

Linear displacement sensors, based on the Hall principle with analog output, accomplish simple control tasks. They provide an output signal which is proportional to the piston position of a pneumatic cylinder. The polarity of the magnet has no effect on the output signal. The outstanding features of these robust sensors are excellent repeat accuracy, resolution and linearity. Furthermore, excellent electro-magnetic capability and a broad temperature range.

Characteristic

