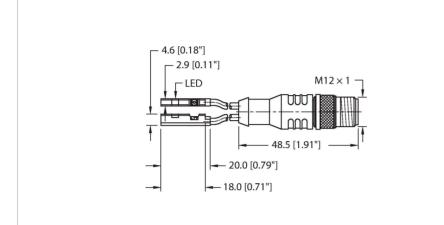


# BIM-UNR-2AP6X-0.2-RSC4.4T/S1768 Magnetic Field Sensor - For Pneumatic Cylinders



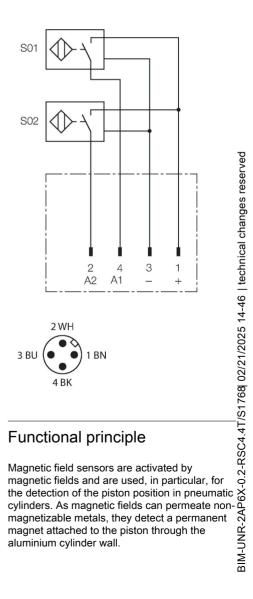
### Features

- For C-groove cylinders without mounting accessories
- Optional accessories for mounting on other cylindrical housings.
- One-hand mounting possible
- Stable mounting
- Magneto-resistive sensor
- DC 3-wire, 11...30 VDC
- NO contact, PNP output
- Pigtail with male end M12 x 1

# Wiring diagram

# Technical data

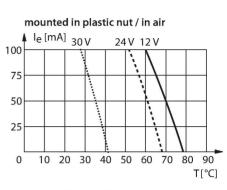
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Туре	BIM-UNR-2AP6X-0.2-RSC4.4T/S1768
ID	46858420
Special version	S1768 Corresponds to:1/8" Viton hose added to cable. Viton slides over the back of the sensor body and covers the entire length of the cable that is cast into the back of the connector.
General data	
Pass speed	≤ 3 m/s
Repeatability	≤ ± 0.1 mm
Temperature drift	≤ 0.3 mm
Hysteresis	≤ 1 mm
Electrical data	
Operating voltage $U_{\scriptscriptstyle B}$	1130 VDC
	$\leq$ 10 % U <sub>Bmax</sub>
DC rated operating current I.	≤ 150 mA
No-load current	≤ 15 mA
Residual current	≤ 0.1 mA
Isolation test voltage	0.5 kV
Short-circuit protection	yes/Cyclic
Voltage drop at I <sub>e</sub>	≤ 1.8 V
Wire break/reverse polarity protection	yes/Complete
Output function	4-wire, NO contact, PNP
Switching frequency	0.3 kHz

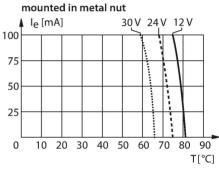




# Technical data

Rectangular, UNR 18 x 2.9 x 4.6 mm
18 x 2.9 x 4.6 mm
Plastic, PP
Plastic, PP
0.2 Nm
Cable with connector, M12 × 1
Ø 2 mm, Gray, Lif9Y-11Y, PUR, 0.2 m
3 x 0.08 mm <sup>2</sup>
40 x0.05 mm
-25+70 °C
55 Hz (1 mm)
30 g (11 ms)
IP67
2283 years acc. to SN 29500 (Ed. 99) 40 °C
<u>O</u>
LED, Yellow
cable clip

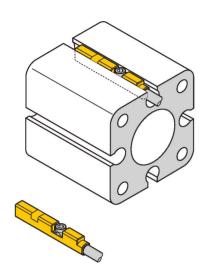






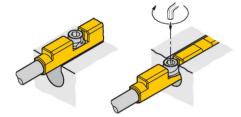
### Mounting instructions

#### Mounting instructions/Description



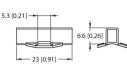
patented wing screw: The wing screw features a left-hand female thread. Two small plastic lips keep the screw in position, ready-to-install. Turn the screw clockwise. The screw moves out of the thread and hits the upper grooves with the wings. The sensor is thus pressed down and locked. Use a 1.5 mm Allen key to fasten the screw with a quarter turn. A fixing torque of 0.2 Nm is sufficient for safe mounting without damaging the cylinder. Cable clips are included in the scope of delivery. They enable smooth cable routing in the groove. Mounting accessories for other cylinder sizes have to be ordered separately.

The sensor is mounted in the groove from above. Mount the sensors as follows using the



# Accessories

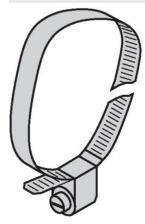
#### KLR2-UNR





100000596 Mounting bracket for mounting magnetic field sensors on round cylinders

#### ASB-4



#### 6965104

Clip collar for mounting brackets for magnetic field sensors on round cylinders; cylinder diameter: 28... 39 mm; other lengths are available under designations ASB-1 to ASB-9

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