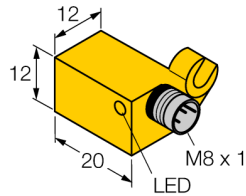
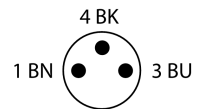
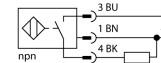


**Magnetic field sensor
for pneumatic cylinders
BIM-QST-AN6X-V1131**



- Rectangular, height 12 mm
- Front active face
- Plastic, PA12-GF30
- Magnetic-inductive sensor
- DC 3-wire, 10...30 VDC
- NO contact, NPN output
- Male M8 x 1

Wiring Diagram



Type designation	BIM-QST-AN6X-V1131
Ident no.	4688300
Pass speed	≤ 10 m/s
Repeatability	≥ ± 0.1 mm
Temperature drift	≤ 0.1 mm
Hysteresis	≤ 1 mm
Ambient temperature	-25...+70 °C
Operating voltage	10...30 VDC
Residual ripple	≤ 10 % U _s
DC rated operational current	≤ 200 mA
No-load current I ₀	≤ 15 mA
Residual current	≤ 0.1 mA
Isolation test voltage	≤ 0.5 kV
Short-circuit protection	yes/ Cyclic
Voltage drop at I ₀	≤ 1.8 V
Wire breakage/Reverse polarity protection	yes/ Complete
Output function	3-wire, NO contact, NPN
Reverse polarity protection	Complete
Switching frequency	1 kHz
Design	Rectangular, QST
Dimensions	20 x 12 x 12 mm
Housing material	Plastic, PA12-GF30
Active area material	Plastic, PA12-GF30
Electrical connection	Connector, M8 x 1
Vibration resistance	55 Hz (1 mm)
Shock resistance	30 g (11 ms)
Protection class	IP67
MTTF	2283 years acc. to SN 29500 (Ed. 99) 40 °C
Mounting on the following profiles	.
Cylindrical design	
Switching state	LED yellow

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.

**Magnetic field sensor
for pneumatic cylinders
BIM-QST-AN6X-V1131**

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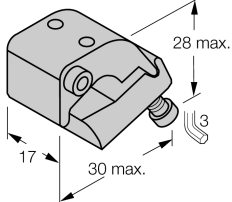

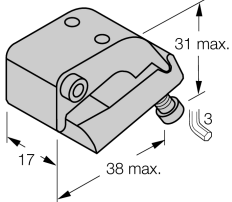

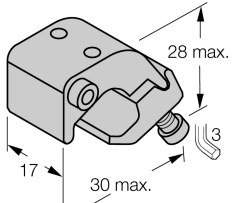

Industrial
Automation

**Magnetic field sensor
for pneumatic cylinders
BIM-QST-AN6X-V1131**

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Industrial
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Accessories

Type code	Ident no.	Description	
KLQ1Z	6971911	Mounting on  tie-rod cylindres; diameter 32...63 mm, material: Anodized aluminium; please order fixing clamp separately	
KLQ2Z	6971912	Mounting on  tie-rod cylindres; diameter 50...125 mm, material: Anodized aluminium; please order fixing clamp separately	
KLQ1	6971901	Mounting on  profile cylinders; cylinder diameter 32...50 mm, material: Anodized aluminium; please order fixing clamp separately	
KLQ2	6971902	Mounting on  profile cylinders; cylinder diameter 50...100 mm, material: Anodized aluminium; please order fixing clamp separately	