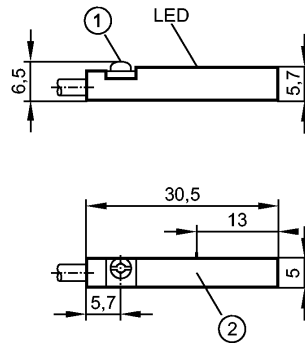


**MR0122**

MRT3021BBKOA/R/ZH

Magnetic sensors, cylinder sensors



- 1: Fastening clamp
- 2: sensing face



Made in Germany

Product characteristics		
Cylinder sensor with reed contact		
Plastic housing for T-slot cylinders		
Cable		
[f] flush mountable		
Magnetic sensitivity 2.1 mT		
Travel speed > 10 m/s		
Electrical data		
Electrical design		AC/DC PNP
Operating voltage	[V]	5...50 AC/DC *)
Protection class		III
Reverse polarity protection		no
Outputs		
Output function		normally open
Voltage drop	[V]	< 1
Current rating	[mA]	350 AC / 500 DC
Short-circuit proof		no
Overload protection		no
Switching frequency	[Hz]	1000
Range		
Magnetic sensitivity	[mT]	2.1
Travel speed	[m/s]	> 10
Accuracy / deviations		
Hysteresis	[mm]	1
Repeatability	[mm]	< 0.2
Reaction times		
Fall time	[ms]	0.1
Make time incl. bounce	[ms]	0.6
Environment		
Ambient temperature	[°C]	-25...70
Protection		IP 65 / IP 67
Tests / approvals		
EMC	EN 61000-4-2 ESD:	- CD / 8 kV AD

**MR0122**

MRT3021BBKOA/R/ZH

Magnetic sensors, cylinder sensors

	EN 61000-4-3 HF radiated:	10 V/m (80...2000 MHz)
	EN 61000-4-4 Burst:	2 kV
	EN 61000-4-6 HF conducted:	10 V (0.15...80 MHz)
	EN 55011:	class B
MTTF	[Years]	20385

**Mechanical data**

Mounting	flush mountable
Housing materials	PA (polyamide); Fastening clamp: stainless steel
Weight	[kg] 0.029

**Displays / operating elements**

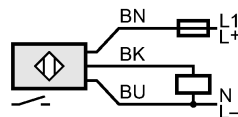
Output status indication	LED	yellow
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**Electrical connection**

Connection	PUR cable / 2 m; 3 x 0.14 mm <sup>2</sup>
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**Wiring**

- Core colours  
 BK black  
 BN brown  
 BU blue



Note: miniature fuse to IEC60127-2 sheet 1,  
 ≤ 0.75 A (fast blow, DC operation)  
 ≤ 0.6 A (fast blow, AC operation)

**Accessories**

Accessories (included)	rubber placeholder; cable clip
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**Remarks**

Remarks	*) External protective circuit for inductive load (valve, contactor, etc.) necessary. Clamping screw with combined slot/hexagon socket head AF 1.5 UL - Class 2 source required
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Pack quantity	[piece] 1
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