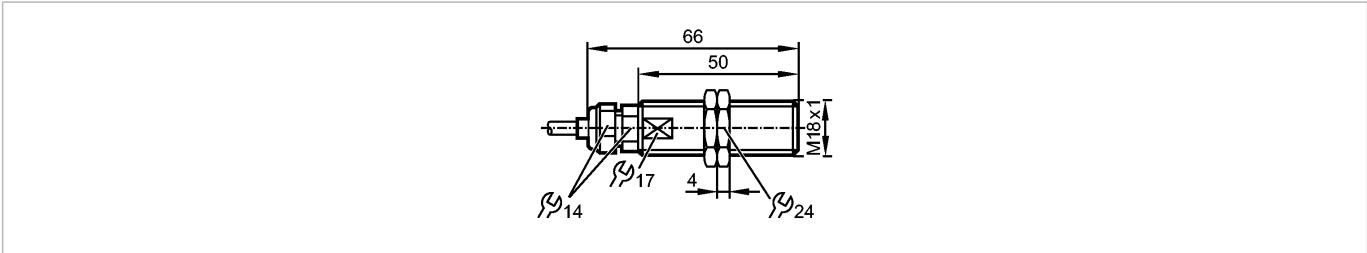


**MGT000**

MGK2030-AKOA/R/2M

Magnetic sensors, cylinder sensors



**Product characteristics**

Magnetic sensor with reed contact
Metal thread M18 x 1
Cable
Full metal housing
For applications in high-temperature areas
Sensing range 25 mm; referred to magnet M4.0
Magnetic sensitivity 7.5 mT

**Electrical data**

Electrical design	AC/DC PNP/NPN
Operating voltage [V]	2...250 AC/DC
Protection class	II
Reverse polarity protection	yes

**Outputs**

Output function	normally open
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**Current rating**

- Current rating (continuous) [mA]	1
- Current rating (peak) [mA]	1
Short-circuit protection	no
Overload protection	no
Switching power (max.) [W]	100

**Monitoring range**

Sensing range [mm]	25, referred to magnet M4.0
Magnetic sensitivity [mT]	7.5

**Environment**

Ambient temperature [°C]	-40...180
Protection	IP 65 / IP 68 / IP 69K

**Tests / approvals**

EMC	EN 61000-4-2 ESD: kV CD / 8 kV AD
	EN 61000-4-3 HF radiated: 10 V/m
	EN 61000-4-4 Burst: 2 kV
	EN 61000-4-5 Surge: 1.0 kV (line to line, Ri: 20hm)
	EN 61000-4-6 HF conducted: 10 V
	EN 55011: class B
Shock resistance	EN 60947-5-1
Vibration resistance	EN 60947-5-1
MTTF [Years]	57078

**Mechanical data**

Housing materials	housing: stainless steel (316L); active face: stainless steel (316L); lock nuts: brass
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**MGT000**

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tightening torque for cable gland[Nm]		5
Tightening torque	[Nm]	50
Weight	[kg]	0.212

**Electrical connection**

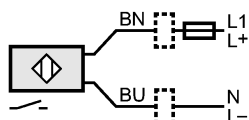
Connection	silicone cable / 2 m; 2 x 0.75 mm <sup>2</sup>	
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**Wiring**

Core colors

BN brown

BU blue



Note: miniature fuse to IEC60127-2 sheet 1,  
 ≤ 0.175 A (fast acting)

**Accessories**

Accessories (included)	2 lock nuts	
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**Remarks**

Pack quantity	[piece]	1
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