

MDRM 18I9524/S14C270

Magnetic singleturn encoder

Article number: 10166035

Overview

- Immune to dust and dirt
- Free of wear and tear
- Current output up to 270°
- Connector M12
- Operating temperature -40 ... 85 °C
- Protection IP 67
- Magnetic rotor not included in delivery



Picture similar

Technical data

Technical data - electrical ratings

Voltage supply	15...30 VDC
Reverse polarity protection	Yes, +Vs to GND
Short-circuit proof	Yes
Consumption typ.	≤ 30 mA (w/o load)
Interface	Analog 4...20 mA
Function	Singleturn
Measuring range	270° (linear)
Resolution	0.09 °
System accuracy	±0.25 %
Temperature drift	±0.1 % (Full Scale)
Sensing method	Magnetic
Response time	< 4 ms

Technical data - electrical ratings

Approval	CE UL
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Technical data - mechanical design

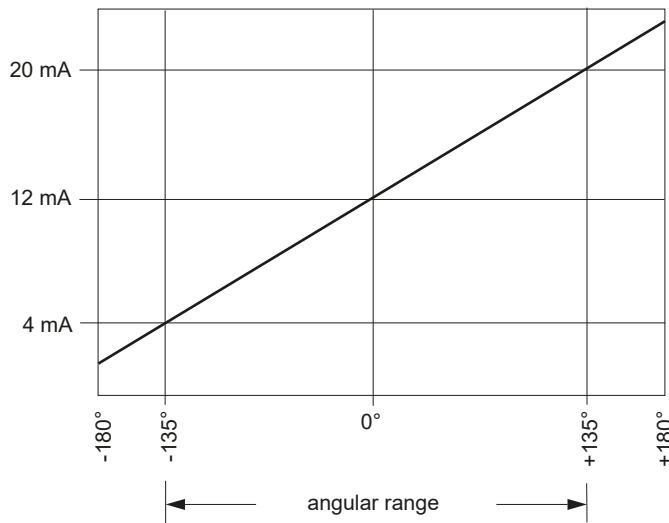
Dimensions	ø18 x 45 mm
Protection EN 60529	IP 67
Working distance	≤ 5 mm (axial, MxFS AA03X08) ≤ 2 mm (axial, MxFN AA01x06) ≤ 0.4 mm (radial)
Material	Housing: brass nickel-plated Sensing surface: PBTP
Operating temperature	-40...+85 °C
Weight approx.	50 g
Connection	Connector M12

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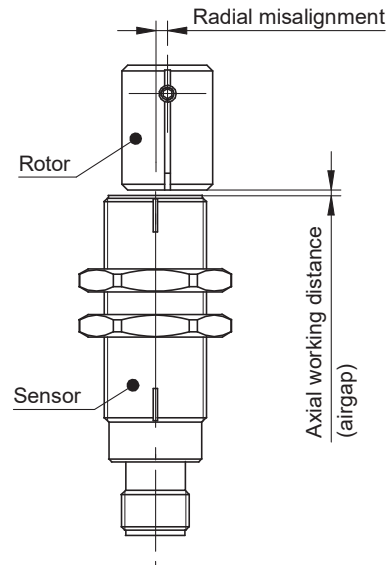
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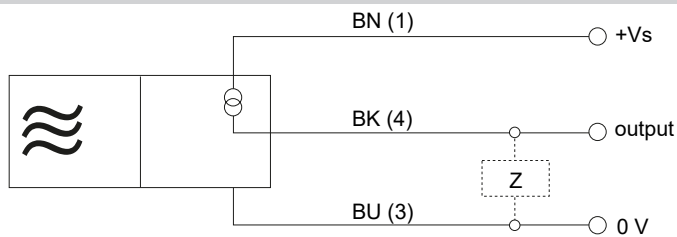
Output signals



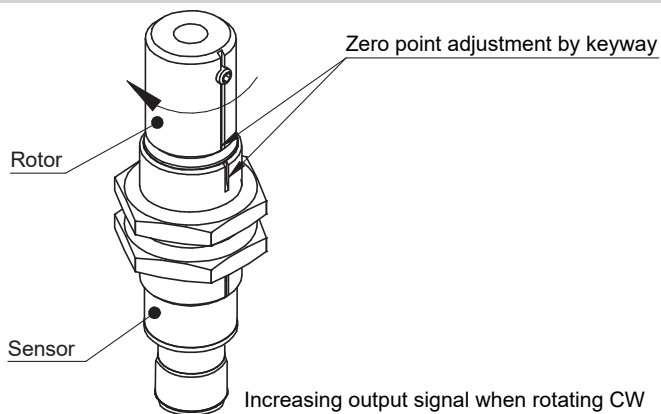
Working distance



Connection diagram



Rotational or linear direction

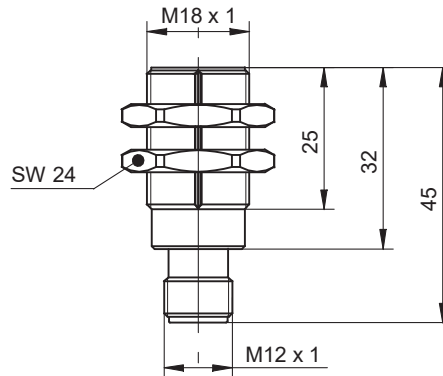


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Dimensions



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Accessories

Mounting accessories

10151658	Sensofix series 18
11172096	ZADAP-M18.STANDARD
11171584	ZADAP-M18.SHORT
11172095	ZADAP-M18.LONG