

## MDFM 20I9424/C270

Magnetic angle sensors

Article number: 10166038

### Overview

- Current output
- Cable PUR 3 x 0.5, 2 m
- -40 ... 85 °C
- IP 67
- Please order magnet separately



Picture similar

### Technical data

#### General data

Angular range	270° linear
Resolution	0.09 °
System accuracy	± 0.25 %
Temperature drift	± 0.1 % (Full Scale)
Working distance max.	5 mm, with magnet rotor MSFS
Axial misalignment max.	0.4 mm

#### Electrical data

Response time	< 4 ms
Voltage supply range +Vs	15 ... 30 VDC
Current consumption max. (no load)	30 mA
Output signal	4 ... 20 mA
Load resistance	500 Ohm/15 VDC, 1000 Ohm/30 VDC

#### Electrical data

Output circuit	Current output
Short circuit protection	Yes
Reverse polarity protection	Yes, Vs to GND

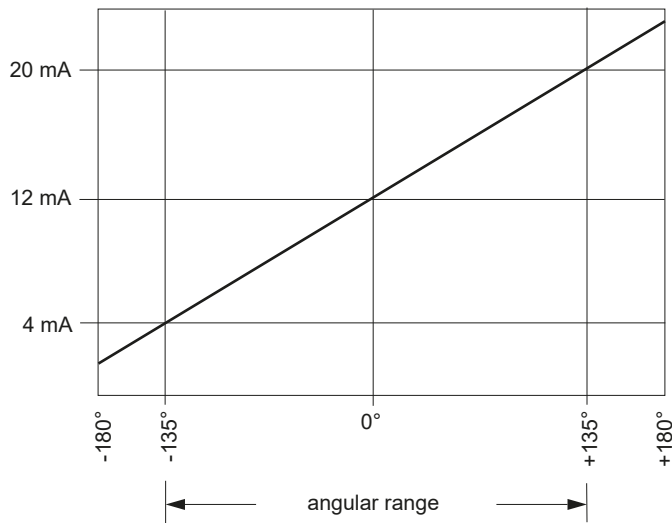
#### Mechanical data

Connection types	Cable PUR 3 x 0.25, 2 m
Type	Rectangular
Housing material	Brass nickel plated
Dimension	20 mm
Material (sensing face)	PBTP

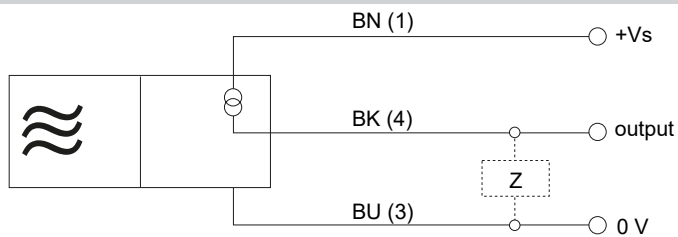
#### Ambient conditions

Operating temperature	-40 ... +85 °C
Protection class	IP 67

## Output signals



## Connection diagram



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### Dimensions

