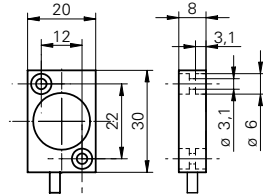


Magnetic angle sensors

MDFM 20I9424/A270

dimension drawing



general data

angular range	270° linear
resolution	1,41 °
system accuracy	± 0,6 %
temperature drift	± 0,1 % (Full Scale)
working distance max.	4 mm, with magnet rotor MSFS
axial misalignment max.	0,5 mm

electrical data

response time	< 2 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
output circuit	current output
short circuit protection	yes
reverse polarity protection	yes, Vs to GND

mechanical data

connection types	cable PUR 3 x 0,14, 2 m
type	rectangular
housing material	brass nickel plated
dimension	20 mm
material (sensing face)	PBTP

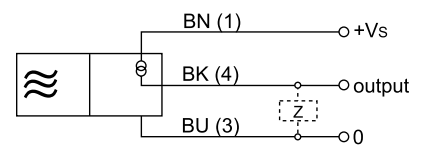
ambient conditions

operating temperature	-40 ... +85 °C
protection class	IP 67

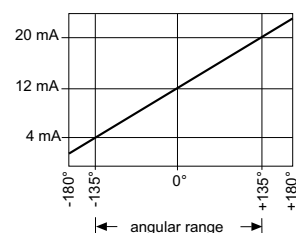
photo



connection diagram



output signal



Magnetic angle sensors**MDFM 20I9424/A270**

- Rotor is available as an accessory