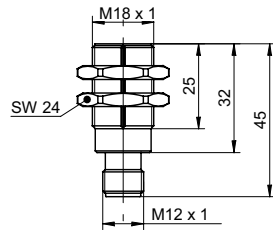


Magnetic angle sensors

MDRM 18I9524/S14A270

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	connector M12
type	cylindrical threaded
housing material	brass nickel plated
dimension	18 mm
material (sensing face)	PBTP

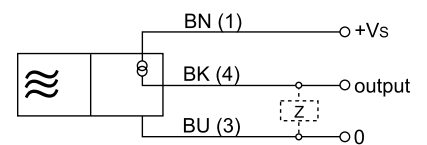
ambient conditions

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

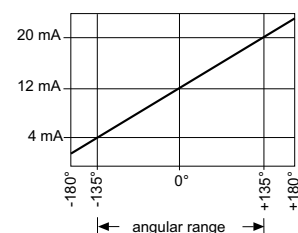
photo



connection diagram



output signal



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- Rotor is available as an accessory