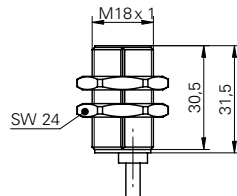


Magnetic angle sensors

MDRM 18 (I-Type, 270°)

sample drawing



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 11052886
axial misalignment max.	0,4 mm

electrical data

response time	< 4 ms
voltage supply range +Vs	15 ... 30 VDC
current consumption max.	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

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

order reference

MDRM 18I9524/C270
MDRM 18I9524/S14C270

connection types

cable PUR 3 x 0,25, 2 m
 connector M12

sample picture

