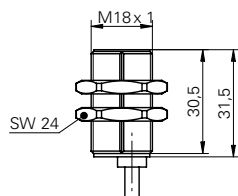


## Magnetic angle sensors

## MDRM 18 (I-Type, 270°)

## sample 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 11052886
axial misalignment max.	0,5 mm

## electrical data

response time	< 2 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/A270**  
**MDRM 18I9524/S14A270**

## connection types

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

## sample picture

