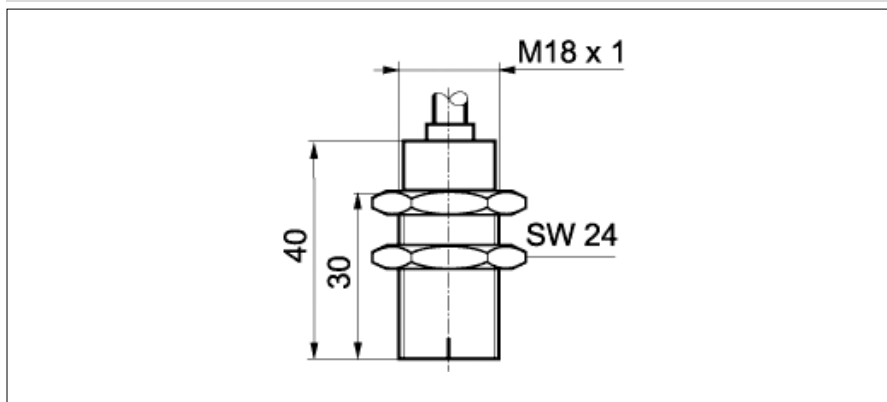


Magnetic encoders

MDRM 18 (Linear)

sample drawing



general data

zero point setting coarse: by keyway; fine: seq. electronic

electrical data

switching frequency < 20 kHz

signal type linear

mechanical data

connection types cable, 2 m

type cylindrical

housing material brass nickel plated

dimension 18 mm

material (rotor) aluminum anodized

ambient conditions

protection class IP 67

sample picture

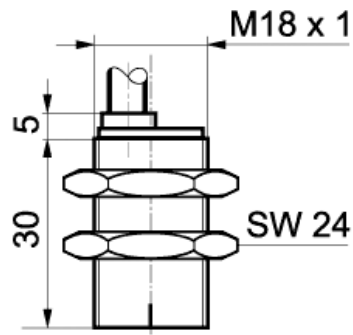


order reference	shaft type	angular range	voltage supply range +Vs	output signal	linearity error	temperature coefficient	operating temperature
MDRM 18I9524	-	linear $\pm 60^\circ$	10 ... 30 VDC	4 ... 20 mA	$\pm 2,5 \%$	-0,07 % K	-25 ... +85 °C
MDRM 18U9501	hollow shaft 6 x 15 mm	linear $\pm 80^\circ$	4,75 ... 5,25 VDC	0,3 ... 4,7 VDC	2,5 %	-0,3 % K	-20 ... +85 °C
MDRM 18U9524	hollow shaft 6 x 15 mm	linear $\pm 80^\circ$	12 ... 30 VDC	1 ... 9 VDC	$\pm 2,5 \%$	-0,3 % K	-25 ... +85 °C

Magnetic encoders

MDRM 18U4501

dimension drawing



general data

angular range	linear $\pm 11^\circ$
linearity error	typ. 2,5 %
zero point setting	coarse: by keyway; fine: seq. electronic
temperature coefficient	-0,3 % K

electrical data

switching frequency	< 20 kHz
voltage supply range +Vs	4,75 ... 5,25 VDC
current consumption max.	10 mA
output signal	2 Vpp (sin, 2 periods / rev)
signal type	sine / cosine
load resistance	> 400 Ohm

mechanical data

shaft type	hollow shaft 6 x 15 mm
connection types	cable, 2 m
type	cylindrical
housing material	brass nickel plated
dimension	18 mm
material (rotor)	aluminum anodized
installation tolerance horizontal	$\pm 0,5$ mm
installation tolerance longitudinal	$\pm 0,5$ mm

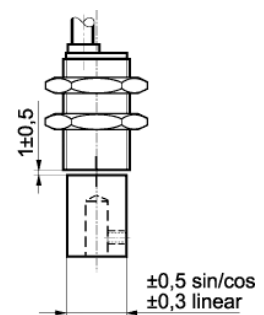
ambient conditions

operating temperature	-20 ... +85 °C
protection class	IP 67

photo



mounting tolerances



rotor

