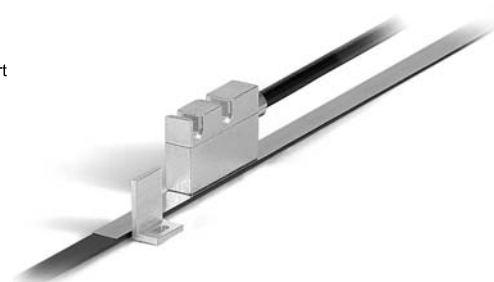
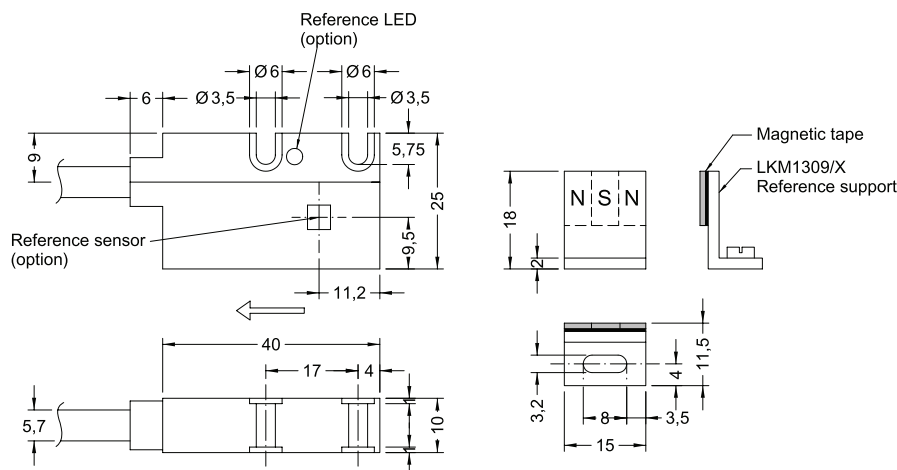


LINEPULS

Magnetic sensor with SIN/COS output

series

SMS



SMS

- Magnetic sensor for linear and torque motors
- Sine-Cosine 1Vpp real-time output
- Unaffected by dust, debris or liquids
- IP67 protection
- Easy installation
- Signal period of 1000 µm

ENVIRONMENTAL SPECIFICATIONS

Operating temperature range:	-25°C ÷ +85°C (-13°F, +185°F)
Storage temperature range:	-40°C ÷ +100°C (-40°F, +212°F)
Protection:	IP67

MECHANICAL SPECIFICATIONS

Dimensions:	see drawing
Housing:	aluminium
Connection:	cabl 2,0 m
Gap sensor-magnetic tape (without cover strip):	0,1 ÷ 0,5 mm
Travel speed:	max 16 m/s
Period length:	1 mm
Repeatability :	±1 increment

ELECTRICAL SPECIFICATIONS

Power supply:	+5Vdc ±5%
Output circuits:	1Vpp
Output signals:	sine/cosine, ref
Output current (per channel):	40 mA max
Input current:	70 mA max
Protection:	against short-circuit

ACCESSORIES

MT10:	Magnetic tape
LKM-1309/1:	Reference pole support

ORDERING CODE

XXX	-	X	-	X	-	X	-	XX
SERIES								
SMS								
OUTPUT CIRCUIT								
sin/cos 1Vpp								
V								
POWER SUPPLY								
+5Vdc ±5%								
1								
INDEX								
N								
I								
R								
without								
every mm								
unique reference signal								