

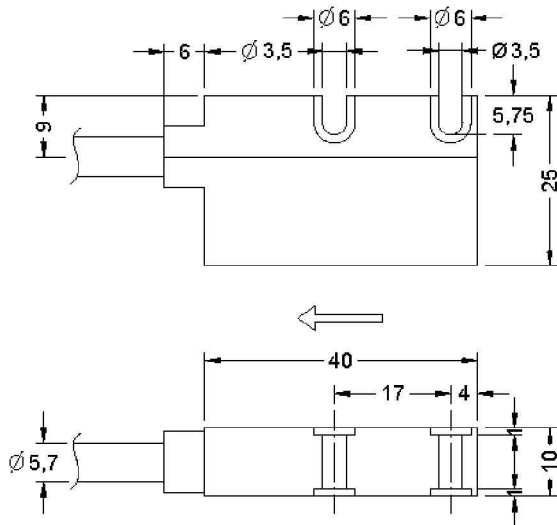
LINEPULS

Magnetic sensor with integrated converter

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series

SMK



SMK

- Robust magnetic sensor for linear applications
- Gap clearance up to 4.0 mm
- IP67 protection
- Resolution up to 0.01 mm
- Special resolutions possible

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:	cable 2,0 m
Gap sensor-magnetic tape:	0,1 ÷ 4,0 mm
Travel speed:	2,5 m/s max.
Resolution:	1 / 0,5 / 0,1 / 0,05 / 0,025 / 0,01 mm
System accuracy:	±25 µm max.
Repeatability:	±1 increment

ELECTRICAL SPECIFICATIONS

Power supply:	+5Vdc ±5%, +10Vdc ÷ +30Vdc
Output circuits :	Line Driver, Push-Pull
Output signals :	A, /A, B, /B, I, /I
Output current (per channel):	40 mA max
Input current:	70 mA max
Protection:	against inversion of polarity (except 5Vdc version) and short-circuit

ACCESSORIES

MT50:	Magnetic tape
PS1:	Protection profile

ORDERING CODE

XXX	-	X	-	X	-	XXXX	-	X	-	XX
SERIES										INDEX
SMK										N without I every 5 mm
OUTPUT CIRCUIT										RESOLUTION
Push-Pull (AB)										1000 1 mm
Push-Pull (AB, /AB)										500 0,5 mm
Line Driver (AB, /AB)										100 0,1 mm
										50 0,05 mm
										25 0,025 mm
										10 0,01 mm
POWER SUPPLY										XX Cable length on request
+5Vdc ±5% (L)										Es.: 2 = 2 meters
+10Vdc ÷ +30Vdc (Y, YC and L)										7 = 7 meters



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• data sheet
• manual