

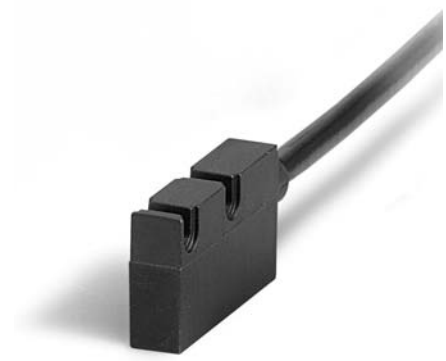
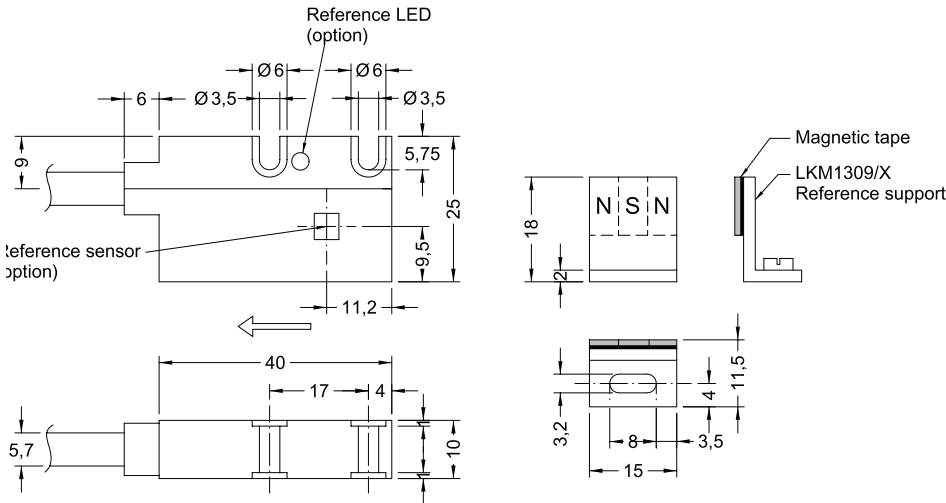
LINEPULS

Magnetic sensor with integrated converter

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series

SME2



SME2

- High resolution sensor for linear and angular measurements
- High speed and protection degree
- Speed proportional output signals
- Resolution up to 2 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:	cable 2,0 m
Gap sensor-magnetic tape:	0,1 ÷ 1,0 mm
Travel speed:	max. 16 m/s
Resolution:	0,1 / 0,05 / 0,025 / 0,01 / 0,002 mm
System accuracy:	±15 μm max.
Repeatability:	±1 increment

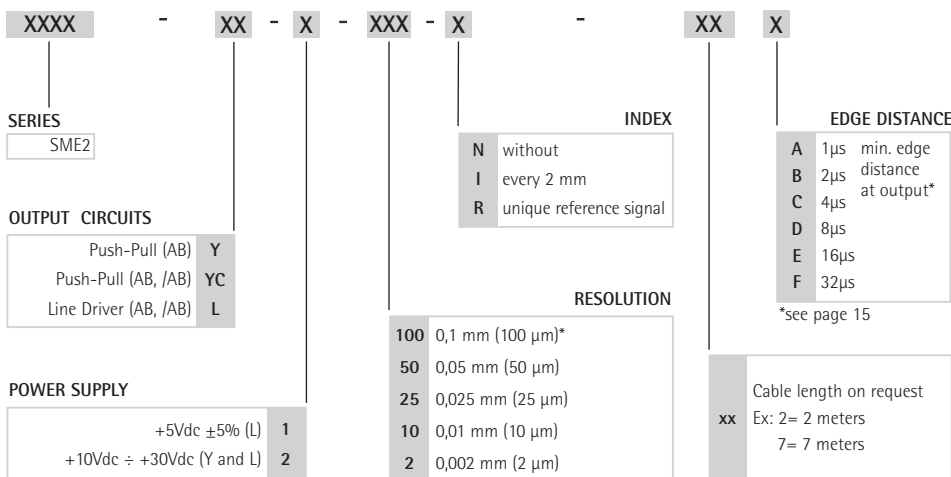
ELECTRICAL SPECIFICATIONS

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

MT20:	Magnetic tape
LKM-1309/2:	Reference pole support
MRI:	Magnetic ring
PS1:	Protection profile

ORDERING CODE



* Not in combination with "R"



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• data sheet
• manual