

# LINEPULS

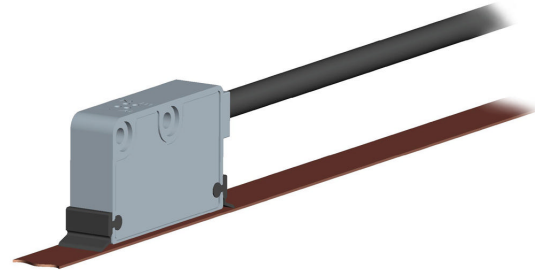
Magnetic sensor with integrated converter

series

SME51



- Standard sensor for linear and rotary axis
- Gap clearance up to 2 mm
- Lika hi-flex sensor cable
- Status LED for clearance error
- Optional reference mark LKM1309/5 to be installed along the magnetic tape
- Optional tape cleaning wipers



SME51

## 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:	die cast aluminium, UNI EN AC-46100
Connection:	Lika Hi-flex cable M8, 2,0 m
Gap sensor-magnetic tape (without cover strip):	0,1 ÷ 2,0 mm
Travel speed:	max 16 m/s (mechanical)
Resolution:	0,05 / 0,025 / 0,01 / 0,005 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:	ABI, /ABI
Counting frequency:	acc. to edge distance setting
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
LKM-1309/5:	Reference pole support
LKM-1440:	Tape terminals
KIT LKM-1722:	Wipers for SMExx/SMSxx, 10 pcs
MRI:	Magnetic ring
PS1:	Protection profile

