

LINEPULS

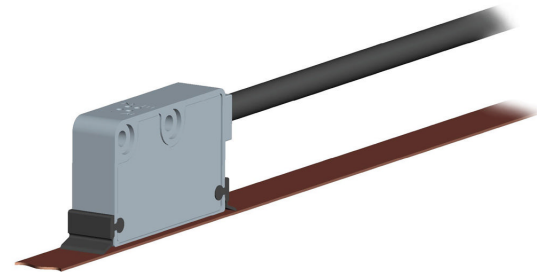
Magnetic sensor with integrated converter

series

SME11



- High performance sensor for linear motors
- Lika hi-flex sensor cable
- Status LED for clearance error
- Optional tape cleaning wipers



SME11

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

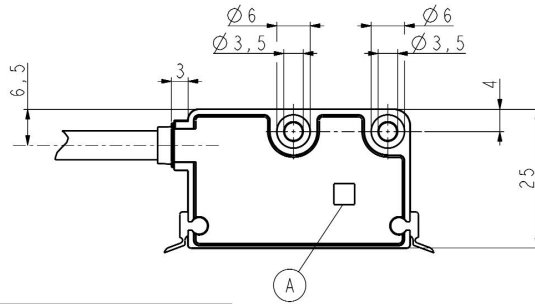
Dimensions:	see drawing
Housing:	die cast aluminium, UNI EN AC-46100
Connection:	Lika Hi-flex cable M8, 2,0 m
Gap sensor-magnetic tape (without cover strip):	0,1 ÷ 0,4 mm
Travel speed:	max 16 m/s (mechanical)
Resolution:	0,01 / 0,005 / 0,002 / 0,001 / 0,0005 mm
System accuracy:	±15 µm max.
Repeatability:	±1 increment

ELECTRICAL SPECIFICATIONS

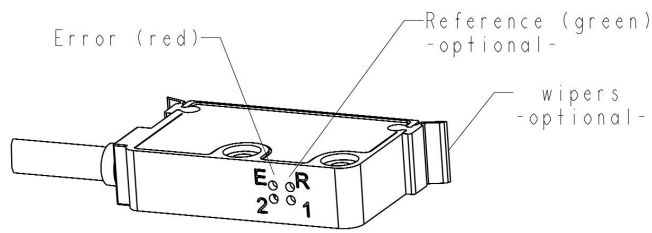
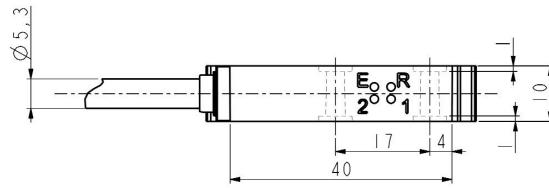
Power supply:	+5Vdc ±5%, +10Vdc ÷ +30Vdc
Output circuits:	Line Driver, Push-Pull
Output signals:	ABI, /ABI
Counting frequency:	acc. to edge distance setting
Output current (per channel):	40 mA max
Input current:	70 mA max
Protection:	against inversion of polarity (except 5Vdc version) and short-circuit

ACCESSORIES

MT10:	Magnetic tape
LKM-1309/1:	Reference pole support
LKM-1440:	Tape terminals
KIT LKM-1722:	Wipers for SMExx/SMSxx, 10 pcs
MRI:	Magnetic ring



A Reference Sensor (optional)



SME11

ORDERING CODE

XXXX	-	XX	-	X	-	XX	-	X
SERIES						INDEX		EDGE DISTANCE
SME11						N without I every 1 mm R unique reference signal		H 0,3µs min. edge distance at output* J 0,5µs A 1µs B 2µs C 4µs
OUTPUT CIRCUITS						RESOLUTION		
Push-Pull (AB) Y Push-Pull (AB, /AB) YC Line Driver (AB, /AB) L						10 0,01 mm (10 µm) 5 0,005 mm (5 µm) 2 0,002 mm (2 µm) 1 0,001 mm (1 µm) 05 0,0005 mm (0,5 µm)		
POWER SUPPLY								Cable length on request xx Ex: 2= 2 meters 7= 7 meters
+5Vdc ±5% (L) 1 +10Vdc ÷ +30Vdc (Y and L) 2								