

SMA1

### 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
Connections:	cable 2,0 m
Gap sensor-magnetic tape (without cover strip):	0,1 ÷ 0,3 mm
Travel speed:	max 5 m/s
Resolution:	absolute BiSS: 0,005 mm max. signal period 1 Vpp: 1 mm
System accuracy:	±20 µm/m max.
Repeatability:	±1 increment
Measurement length:	5,05 m max.
Measurement length = Tape length - 70 mm	

### ELECTRICAL SPECIFICATIONS

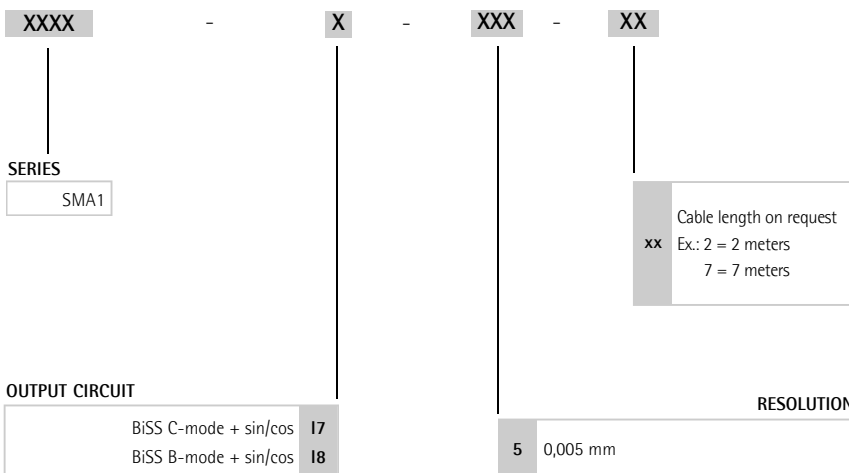
Power supply:	+10Vdc ÷ +30Vdc
Output circuit:	BiSS, 1Vpp
Output current (per channel):	40 mA max
Input current:	1,5 W max
Protection:	against inversion of polarity

- Compact absolute magnetic sensor
- BiSS and sine/cosine interface
- Resolution programmable up to 5 µm
- Unaffected by dust, debris or liquids

### ACCESSORIES

MTA1:	Magnetic tape
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### ORDERING CODE



www.lika.biz  
• data sheet  
• manual