



ETMA MAGNETIC LINEAR SENSOR



ETMA1

Magnetic incremental linear sensor

- Resolution: 0,1 mm (0,025 mm if by reading each front)
- Zero pulse every 5 mm

ETMA2

Magnetic incremental linear sensor

- Resolution: 0,04 mm (0,01 mm if by reading each front)
- Zero pulse every 2 mm

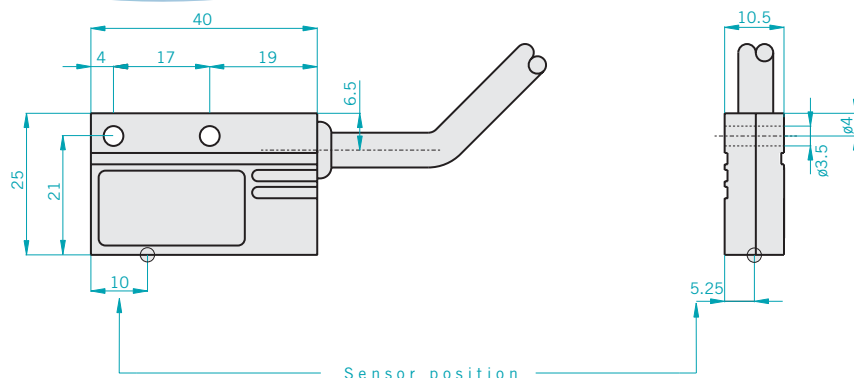
SPECIAL PRODUCTS

Ordering code

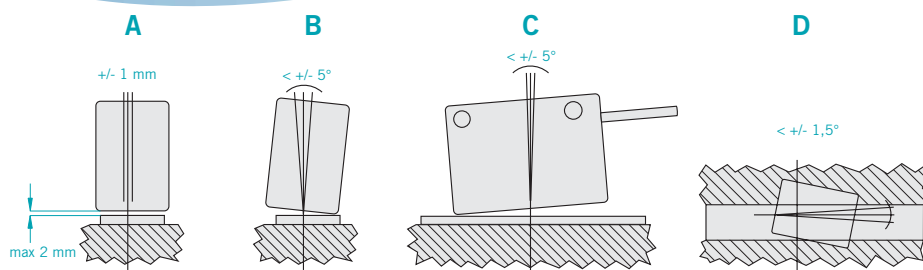
Full stop to separate special versionss										
ETM		A	1	Z	5	L	S	PR3	.	XXX
Eltra magnetic incremental sensor		ETM							Special version code numbered from 001 to 999	
Head type		horizontal		A						
Resolution		0,1 mm (0,025 by reading each front)		1					Cable length	
0,04 mm (0,01 by reading each front)				2					3 3 m (standard)	
									6 6 m	
									10 10 m	
									20 20 m	
Zero pulse		with zero pulse every 5 mm on ETMA1		Z					Enclosure rating	
with zero pulse every 2 mm on ETMA2									S standard IP67	
Input voltage		5V		5					Electronics output configuration	
from 8V to 24V				8 ÷ 24					P PUSH PULL	
									L LINE DRIVER	

ETMA

ETMA



Sensor mechanical tolerances



Electrical specifications

Resolution	0,1 mm (0,025 mm by reading each front) for ETMA1 0,04 mm (0,01 mm by reading each front) for ETMA2
Repeatability	+/- 0,025 mm
Output types	LINE DRIVER/PUSH PULL
Input voltage	5 Vdc 8÷24 Vdc
Input current with no output load	30 mA MAX
Zero pulse	with zero every 5 mm for ETMA1 with zero every 2 mm for ETMA2
Max speed	4 m/s
Frequency response	40 KHz

Wire colour

COLOUR	FUNCTION
RED	+Vdc
BLACK	0 Volt
GREEN	A
YELLOW	B
BLUE	Z
BROWN	Ā
ORANGE	B̄
WHITE	Z̄



Mechanical specifications

Enclosure rating	IP67 - STANDARD
Shock	50G for 11msec
Vibrations	10G 10 ÷ 2000 Hz
Housing material	Aluminium
Fixing	n°2 hole ø3,5
Operating temperature	0° ÷ +60°C
Storage temperature	-25° ÷ +70°C
Max working distance	< 2 mm
Weight	150g

SPECIAL PRODUCTS

PV004IT0305A

ETMA



Eltra®

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