EMI 38

MAGNETIC INCREMENTAL ENCODER

ISO 9001:2000

Main features

EM series encoders are suitable for several application fields like electric motors, marine industry, iron and steel industry, textile machines, wood-working, paper-working, glass-working, marble-working machinery and, more generally, automation and process control fields.

- Compact dimensions
- High temperature resistant
- High resolution and precision
- High protection rating
- High operating speed
- Excellent mechanical sturdiness
- Very easy mounting

Ordering code

EMI	38	A	100	S	5	P	6	X	6	PR	.	XXX

magnetic incremental encoder EMI

size 38

Type of flange
standard A

Resolution
(only powers of 2) ppr from 2 to 2048
ppr 10 / 20 / 25 / 40 / 50 / 80 / 100 / 125 / 200 / 250 / 400 / 500
please directly contact our offices for pulses availability

Zero pulse
without zero pulse S
with zero pulse Z

Power supply
5 V DC 5
8÷24 V DC 8/24

Output type
P push-pull
L line driver
please directly contact our offices for further measures

Bore diameter
6 ø 6 mm
8 ø 8 mm
9 ø 9.52 mm (3/8")
10 ø 10 mm

Enclosure rating
X IP64

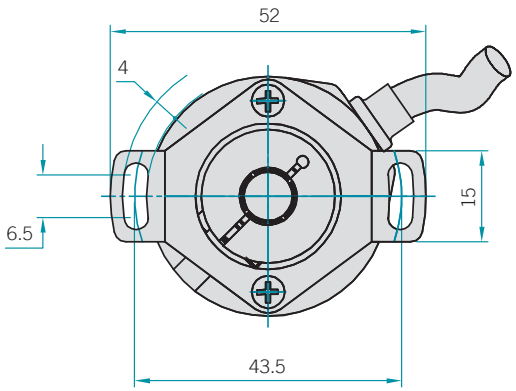
Max. rotation speed
6 6000 RPM

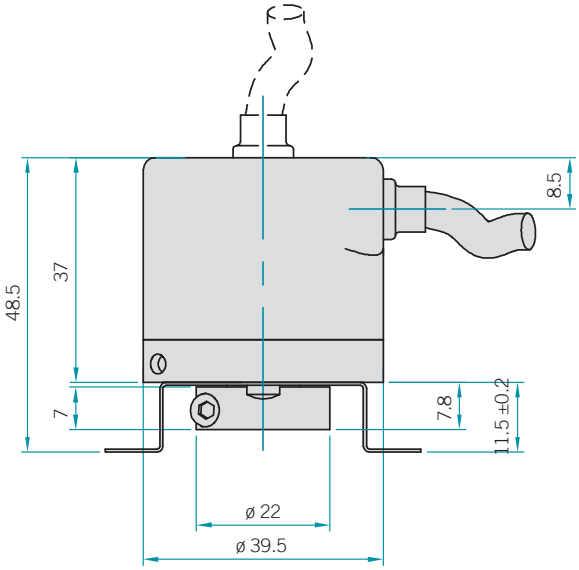
PA axial cable output with SKINTOP® (standard length 0.5 m)
PR radial cable output with SKINTOP® (standard length 0.5 m)

special version code numbered from 001 to 999

full stop to separate special versions

EMI **38**





Electrical specifications

Resolution	up to 2048 ppr
Current consumption without load	100 mA max.
Max. load current	15 mA for channel
Power supply	5 V DC ±5% 8÷24 V DC
Output type	line driver push-pull
Max. output frequency	200 kHz

Mechanical specifications

Bore diameter	up to 10 mm
Enclosure rating	IP64
Max. rotation speed	6000 RPM
Shock	50 G, 11 ms
Vibration	10 G, 10÷2000 Hz
Body material	aluminium UNI 9002/5
Housing material	aluminium UNI 9002/5
Operating temperature	-25÷100 °C
Storage temperature	-30÷105 °C
Weight	250 g

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