

EMA - EMS 38

MAGNETIC ABSOLUTE ENCODER







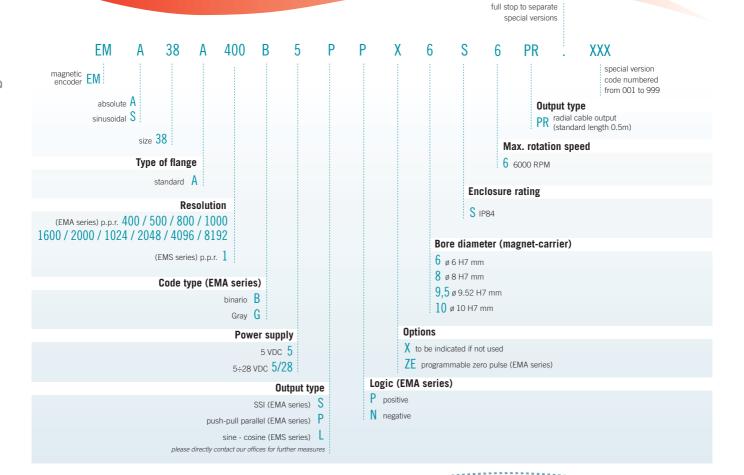
Main features

EM series encoders well suit to 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.

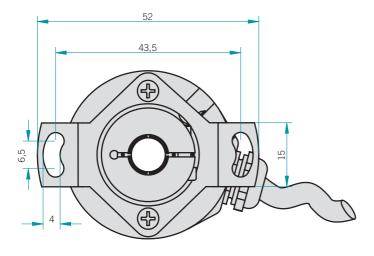
- · Compact dimensions
- · Absence of physical contact between encoder and motor shaft
- · High temperature resistant
- · High resolution and precision
- · High enclosure rating
- · High working speed
- · Excellent mechanical robustness
- · Very easy mounting



Ordering code

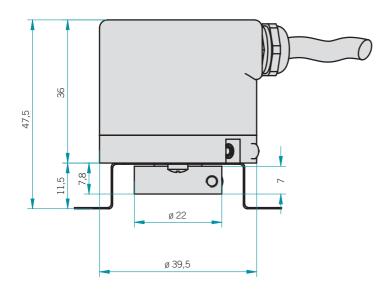


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Electrical specifications

Resolution	absolute SSI up to 8192 p.p.r. absolute parallel up to 8192 p.p.r. sine - cosine (1 sin./turn)
Current consumption without load	100 mA max.
Max. load current	15 mA for channel
Power supply	5 VDC ±5% / 5÷28 VDC
Output types	sine - cosine (EMS series) push-pull parallel (EMA series) SSI (RS422A) (EMA series)
Max. output frequency	200 kHz
SSI trasmission frequency	70÷1000 kHz (EMA series)



Mechanical specifications Bore diameter (magnet-carrier) up to 10 mm

Enclosure **IP64** rating Max. rotation 6000 RPM speed Shock 50 G, 11 ms 10 G, 10÷2000 Hz Vibration Body material aluminium D11S UNI 9002/5 **Housing material** aluminium D11S UNI 9002/5 Operating temperature -25 ÷100 °C Storage temperature -30 ÷105 °C Weight 250 g

