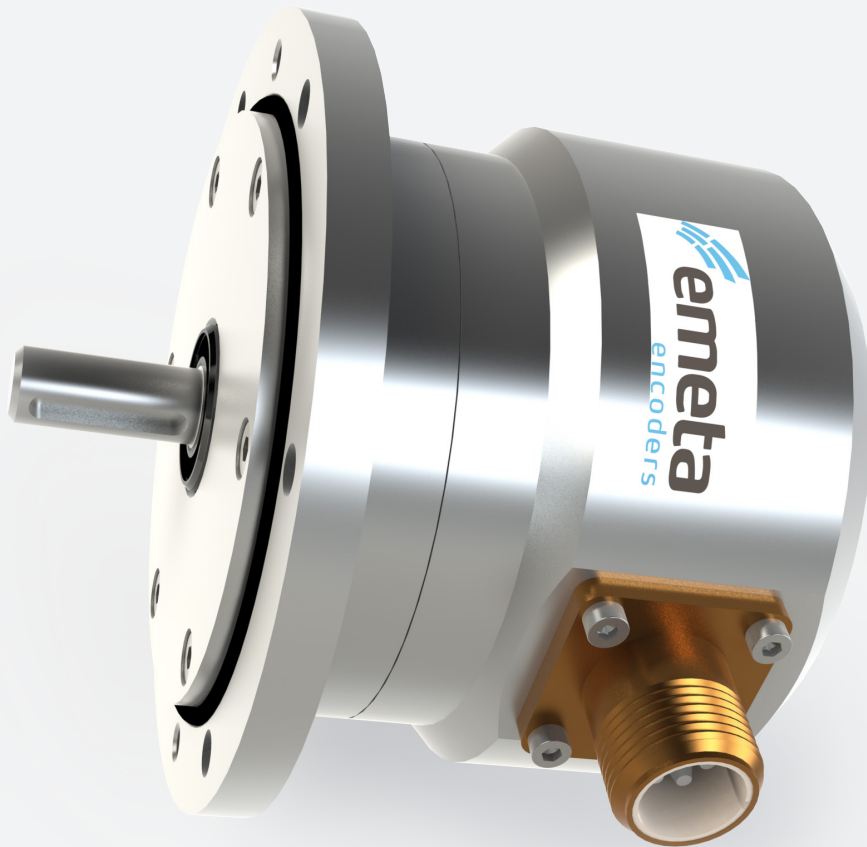


MA401 - SERIES



HEAVY DUTY INCREMENTAL ENCODER Ø 115 MM

Encoder with EURO-flange B10 in stainless steel AISI 316

- Offshore and salt water firm
- Ø 115 mm, stainless steel AISI 316
- Ø 11 mm shaft with key, stainless steel 1.4057
- Enlarged sturdy bearings
- Short circuit and reversed polarity proof
- Dust and splash proof IP67
- Standard
 - 5-30 Vdc power supply
 - 300 kHz
 - 2 square wave signals and marker pulse

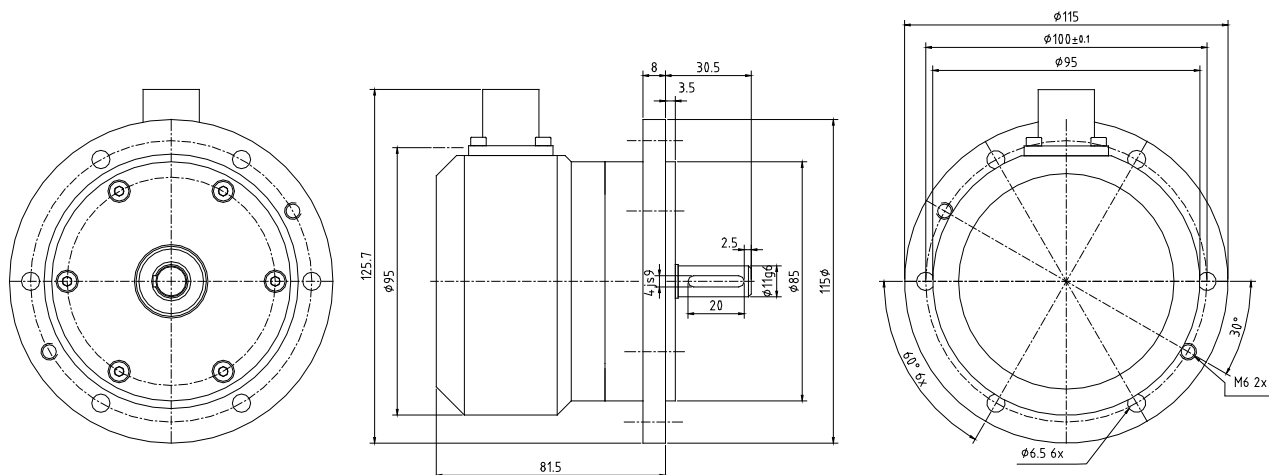


*Flexible and durable
encoder for demanding
applications*



Conforms to european EMC directive
89/336/EEC standards:
EN61000-6-4 emission in industrial environments
EN61000-6-2 immunity in industrial environments

INCREMENTAL ENCODER MODEL MA401

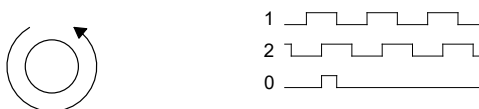


ELECTRICAL SPECIFICATION, STANDARD

Supply voltage	5–30 Vdc (SELV)
Current consumption	Max 40 mA without load
Output circuit	Linedriver RS422A compatible
Low level output volt.	Max <0,5 V at 20 mA load and 20°C
High level output volt.	Min >Vcc-1V at 20mA load and 20°C
Short circuit protected	Yes
Polarity protected	Yes
Transient protected	Yes
Max load	70 mA

OUTPUT SIGNALS, STANDARD

CCW rotation viewed
from shaft end



SIGNAL ACCURACY

Dividing error max	±50 el°
Channel separation	90 ±25 el°
Max frequency	300 kHz
Operating temperature	-40° till +80°C

MECHANICAL SPECIFICATION

Housing	Stainless steel AISI 316
Shaft	Stainless steel 1.4057
Sealing	IP67 dust and splash proof
Bearings	Permanently greased
Bearing load at	1 000 rpm
Radial	<350 N
Axial	<250 N
Max rpm	3 000 (8 000)
Vibration	20g 20-2000 Hz
Shock	200g at 11 ms
Weight	3,6 kg (AISI316)

CONNECTION

47. Radial 7-pin male connector
Marine Bronze, Gisma 24.02.2P07.2.00.0

FUNCTIONS

	Pin
1	5
2	6
0	7
+V	1
Gnd	3

MATING CONNECTOR

Gisma 24.06.2S07.2.00.0

ORDERING CODE

Model	MA401	11	1024	47
Shaft 11 mm				
Pulse rate 1-2 500				
Connection				



Skogsvägen 1, SE-645 34 Strängnäs, Sweden
Tel: +46 152 33 11 90 Fax: +46 152 33 11 91
E-mail: info@emetaencoders.com
www.emetaencoders.com