

MA240 - SERIES



HEAVY DUTY INCREMENTAL ENCODER Ø 58 MM

Encoder with synchro flange, rotation stop, 3 mounting holes M4

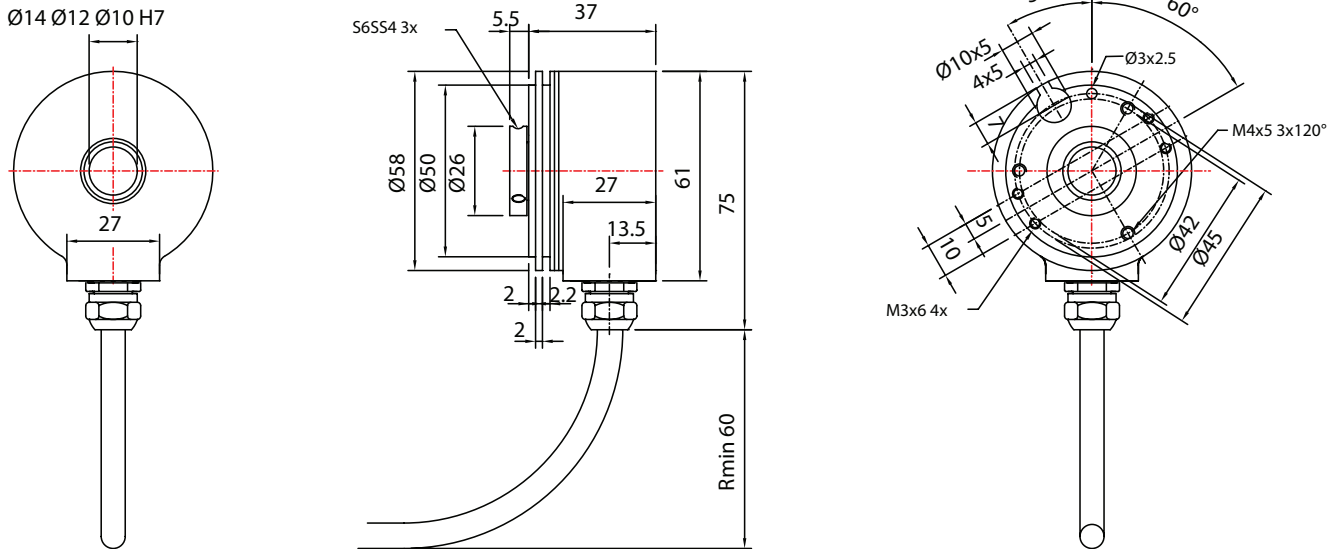
- Ø 58 mm
- 10, 12 or 14 mm full through shaft
- Enlarged sturdy bearings
- Short circuit and reversed polarity proof
- Dust and splash proof IP65
- Standard
 - 5-30V Power Supply, 300kHz
 - 2 Square Wave Signals
 - Marker Pulse, Inverted Signals and Sense
- Option
 - Customization upon request



*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 environ-

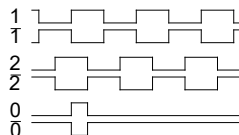


ELECTRICAL SPECIFICATION, STANDARD

Supply voltage	Vcc 5–30 V
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° to +80°C

MECHANICAL SPECIFICATION

Housing	Aluminum, electrically conductive for increased interference protection
Sealing	IP65 dust and splash proof
Bearings	Permanently greased
Bearing load at	1 000 rpm:
Radial	110 N Gives 50 000 hrs bearing life
Axial	70 N
Max rpm	6 000 (12 000)
Vibration	20g 20-2000 Hz
Chock	200g at 11 ms
Weight	approx. 240 g. (without cable)

CONNECTION

- 20. Radial cable, 1 m 10x0,25TPUR with screen
- 40. Radial 12-pin male connector CON-FM12P
- 80. Radial cable 1 m with male connector CON-CF12P
- 48. Radial 8-pin male M12 connector

FUNCTION

	Cable 2X	40	80	48
1	Brown	5	5	4-Yellow
2	Grey	8	8	3-Green
0	Red	3	3	2-Brown
1 inv.	Green	6	6	5-Grey
2 inv.	Yellow	1	1	1-White
0 inv.	Black	4	4	6-Pink
+V	Brown/Green	12	12	8-Red
0 V	White/Green	10	10	7-Blue
+V sense	Blue	2	2	-
0V sense	White	11	11	-
Gnd	Screen	Chassi	9	Chassi

MATING CONNECTORS

- For 40, CON-CF12S female mating connector
- For 80, CON-CM12S female mating connector
- For 48, 8-pin female M12 mating connector with 3m cable

ORDERING CODE

Model	MA240	10	1000	2	X
Shaft 10, 12, 14 mm					
Pulserate 1-2500					
Connection					
X= Meter cable					

