



MEM-Bus



Description

- Singleturn and Multiturn Absolute Encoders
- CANopen or Profibus DP Fieldbus
- High resolution
- Several mechanical versions available
- Strong and reliable

Available with a wide array of mechanical solutions, absolute encoders series MRE52, MRE54 and MRE62 grant high resolutions (8, 9, 10, 12 or 13 bits). The different output signals (serial or parallel) and voltage supplies allow to couple them to any counting system or PLC.

Mechanical and Environmental specifications

TYPE	MEM520-Bus	MEM540-Bus	MEM620-Bus M	MEM410-Bus	MEM430-Bus
	Ø.58 mm round flanged – servo coupling	Ø.58 mm round flanged Ø 36 mm centering mask	mm63.5x63.5 square flanged SIZE25	Hollow shaft for motor coupling	Hollow shaft Fixing with elastic support
Weight			500 g ca.		
Materials: case			aluminium		
Shaft			stainless steel		
Shaft diameter / Joint hole		6, 8, 10 mm		Hole Ø 8, 10, 12, 14, 15 mm	
Revolutions/minute			6000		
Starting torque			≤0,8Ncm		
Inertia			≤25g cm ²		
Max load			80 N axial / 100 N radial		
Shock resistance (11 ms)			50 G		
Vibration resistance (10÷2000 Hz)			100 m/sec ²		
Protection degree			IP65		
Operating temperature			-30 ÷ +70°C		
Stocking temperature			-30 ÷ +85°C		

Electrical and operating specifications

Operating principle	magnetic
Resolution/revolution	8192 step/rev. – 13 bit
Revolutions no. (multiturn)	65536/16 bit
Initializing time	< 1 s
Data memory	>21 years power off*
Fieldbus Interface	CANopen, Profibus DP
Supply	5 ÷ 28 Vdc Protection against polarity reversal
Consumption	2 W
Accuracy	± 1/2 LSB
Connection outlet	3 cable glands or 2 cable glands
Interference immunity	EN 61000-6-2
Emitted interference	EN 61000-6-4

* Stopped shaft

SETTABLE PARAMETERS

- Steps/revolution
- Revolutions number
- Preset
- Rotation direction

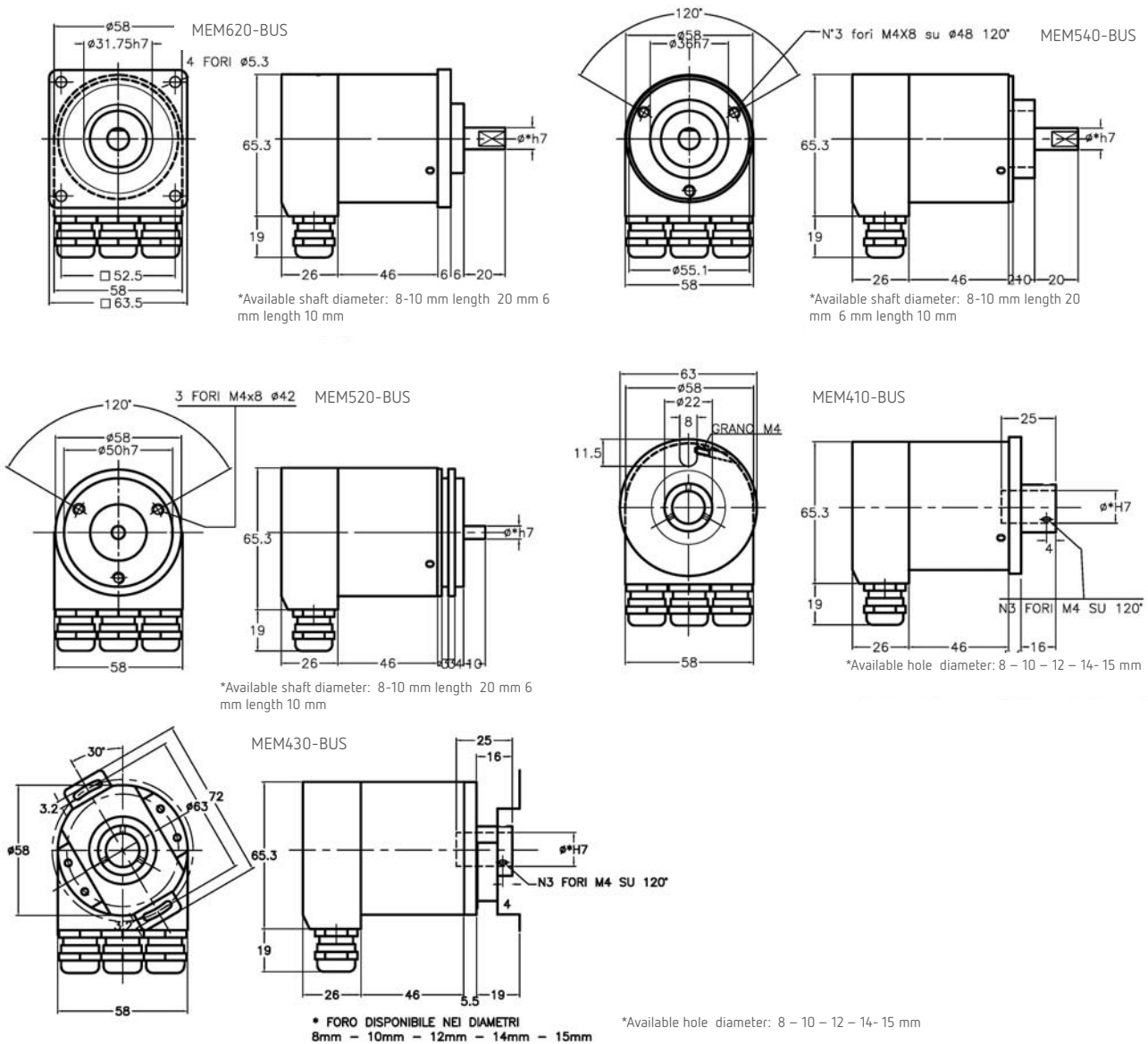
DIAGNOSTIC FUNCTIONS

- Position or parameter error
- Battery alarm

STATE INDICATORS

- 3 signalling LEDs for
- Supply
- Line
- Error (CANopen)

Dimensions



Ordering information

MEM520	CAN	M	10	3P
<p>CONNECTIONS TYPE 3P = 3 cable glands 2P = 2 cable glands</p> <p>SHAFT DIAMETER/JOINT HOLE 6 - 8 - 10 - 12 - 14 - 15 mm</p> <p>REVOLUTIONS NO. M = Multiturn S = Singleturn</p> <p>FIELDBUS INTERFACE CAN = CANopen PDP = Profibus DP</p>				
TYPE				

MEM520-Bus = 58 mm diameter round flange
MEM540-Bus = 58 mm diameter round flange
MEM620-Bus = 63.5x63.5 mm square flange
MEM410-Bus = Hollow shaft for motor coupling
MEM430-Bus = Hollow shaft with elastic support