



- Shafted and hollow shaft encoder with the same modular concept
- Shaft diameters Ø 6 and Ø 10 mm for shafted encoders
- Hollow shaft Ø 14 mm, aluminium reduction hubs of Ø 6, Ø 10 and Ø 12 mm
- Robustness, excellent shock and vibration resistance
- Easily achievable high degree of protection IP 67 with special sealing flange for shafted versions
- High resolutions available up to 80000 cpt in 3 channels with complements
- Available output signals: square wave, square wave programmable and sine wave
- Simple programmable resolution through dipswitch, no software, no hardware required
- Universal electronic circuits from 4.75 Vdc to 30 Vdc
- High operating temperature performance: -30 °C up to 100 °C (encoder temperature)
- High frequency response performance of the output signals: 300 kHz (push-pull & RS422)
- Glass disks in standard, available with unbreakable disks in Polyfas (Composite Mylar-Mica) in option for resolutions <2500 cpt and temperature <80 °C

**THE
UNIVERSAL
ENCODERS**

New

SPECIFICATIONS

	MHM5	MHO5
• COVER	Zinc-aluminium alloy	Zinc-aluminium alloy
• BODY	Aluminium	Aluminium
• SHAFT	Stainless steel	Stainless steel
• TORQUE	0,4 Ncm	0,6 Ncm
• WEIGHT	300 g	250 g
• MAX. SPEED	12 000 min ⁻¹	9 000 min ⁻¹
• RADIAL SHAFT LOADING	100 N	100 N with DAC
• AXIAL SHAFT LOADING	50 N	50 N with DAC
• INERTIA	10 gcm ²	22 gcm ²
• PROTECTION	IP 65	IP 65

MECHANICAL FEATURES

- Shock resistance: <math><1000 \text{ m.s}^{-2}</math> for 6 ms (EN60068-2-27)
- Vibrations resistance: <math><100 \text{ m.s}^{-2}</math> from 50 to 2000 Hz
- Standard IP 65, IP 67 available with a special flange for shaft encoders of Ø 10 mm
 - Perfect sealing of the connectors (moulded in the encoder cover)
- Max. Acceleration: 1.105 rad.s⁻²
- Lifetime of the bearings: 12.109 turns

