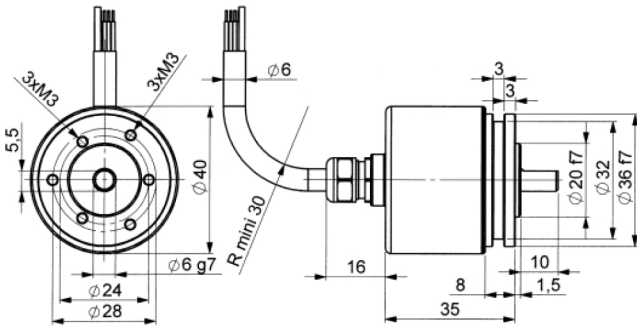


INCREMENTAL ENCODERS, GHM4 RANGE

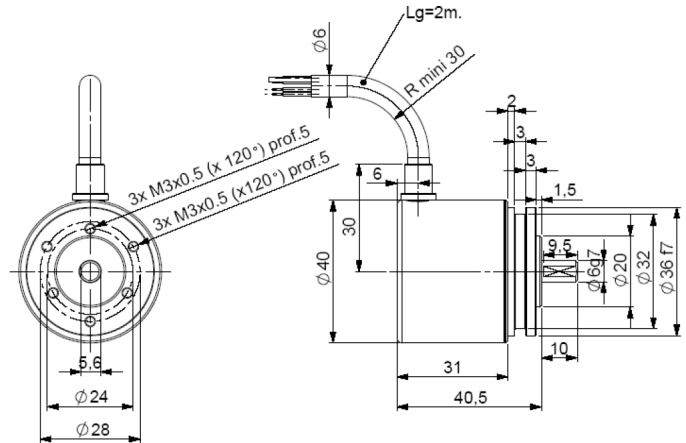
- With its 40mm size and a 6mm solid shaft, this encoder characterizes itself by its strength and robustness of the mechanical and opto-electronic components, it's the most compact truly industrial encoder with a solid shaft
- Coded discs in synthetic material are used: stable and unbreakable (Polyfass™, Mylar-Myca composite)
- Available resolution up to 2 500 counts per turn
- Universal electronics 5 to 24Vdc available
- Application fields : micro-robotics, printing machines, low power DC motors, shears...



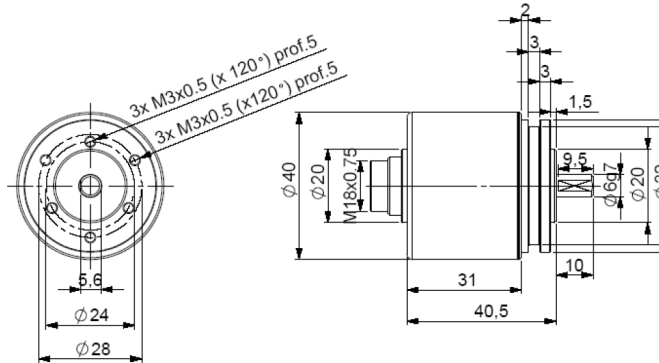
GHM4 connection G3A (axial cable)



GHM4 connection G3R (radial cable)



GHM4 connection G2A / GDA (axial DIN)



CHARACTERISTICS

Material	Shaft: stainless steel
	Cover: aluminium
	Body: aluminium
Bearings	688 serie
Maximum loads	Axial : 10 N
	Radial : 20 N
Shaft inertia	$\leq 0,2 \cdot 10^{-6} \text{ kg.m}^2$
Torque	$\leq 2 \cdot 10^{-3} \text{ N.m}$
Permissible max. speed	12 000 min ⁻¹
Continuous max. speed	9 000 min ⁻¹
Encoder weight (approx.)	0,190 kg

EMC	EN 50082-2 (1995)
	EN 50081-1 (1992)
Isolation	1 000 Veff
Operating temperature	- 20... + 80 °C (encoder T°)
Storage temperature	- 40... + 80 °C
Protection CEI60529 (1989)	IP 54
Shocks (EN60068-2-27)	$\leq 300 \text{ m.s}^{-2}$ (during 11 ms)
Vibrations (EN60068-2-6)	$\leq 100 \text{ m.s}^{-2}$ (10 ... 500 Hz)
Theoretical mechanical lifetime 10 ⁹ turns (F _{axial} / F _{radial})	
5 N / 10 N	263
10 N / 20 N	33