

INCREMENTAL ENCODERS, DHO5 RANGE, 100°C

DIGISINE™ universal encoder :

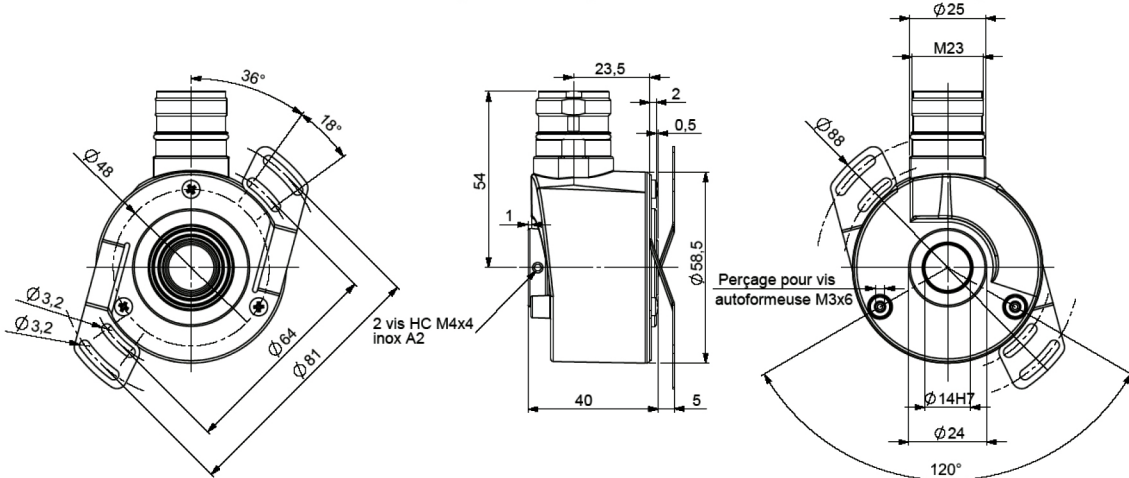
- Through hollow shaft version $\varnothing 14\text{mm}$, with reduction hubs in aluminium of 6, 8, 10 and 12 mm
- Easy mounting for the hollow shafts thanks to DAC (Anti-Coupling Device)
- Robustness and excellent resistance to shocks / vibrations
- High protection level IP65
- High resolutions available : up to 80 000 cpt
- Universal electronic circuits from 4.75 to 30 Vdc
- High performances in temperature -30°C to 100°C (option -40°C)
- High performances in frequency of output signals : 300 kHz



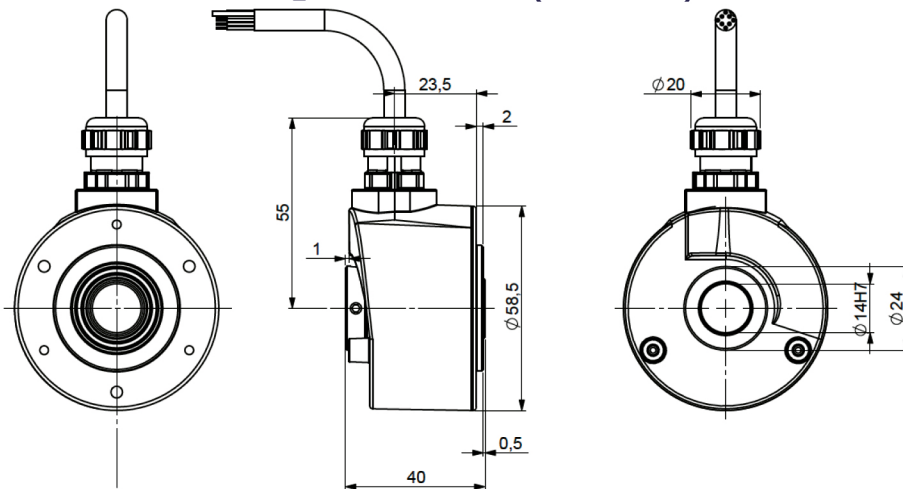
2004/108/CE



DHO5_14 connection G6R (radial M23), DAC 9445/015 mounted on body



DHO5_14 connection G3R (radial cable)



Mechanical Characteristics:

Material	Cover : zinc alloy	Shocks (EN60068-2-27)	$\leq 500 \text{ m.s}^{-2}$ (during 6 ms)
	Body : aluminum	Vibrations (EN60068-2-6)	$\leq 100 \text{ m.s}^{-2}$ (55 ... 2 000 Hz)
	Shaft : stainless steel	EMC	EN 50081-1, EN 61000-6-2
Bearings	6 803 serie	Isolation	1 000 V eff
Maximum loads	Axial : 20 N	Encoder weight (approx.)	0,300 kg
	Radial : 50 N	Operating temperature	$-30 \dots + 100^{\circ}\text{C}$ (encoder T°)
Shaft inertia	$\leq 2.2.10^{-6} \text{ kg.m}^2$	Storage temperature	$-40 \dots + 100^{\circ}\text{C}$
Torque	$\leq 6.10^{-3} \text{ N.m}$	Protection(EN 60529)	IP 65
Permissible max. speed	$9\ 000 \text{ min}^{-1}$	Torque (ring pressure screw)	0,7...0,9 Nm
Continuous max. speed	$6\ 000 \text{ min}^{-1}$	Theoretical mechanical lifetime 10^9 turns (F_{axial} / F_{radial})	
Shaft seal	Viton	10N / 25N : 230	20N / 50N : 29