

Intrinsically safe encoders, specially designed for explosive GAS atmospheres
For chemical applications (painting, solvent, fragrances and rubber), textile, food processing, wood, petrochemical...



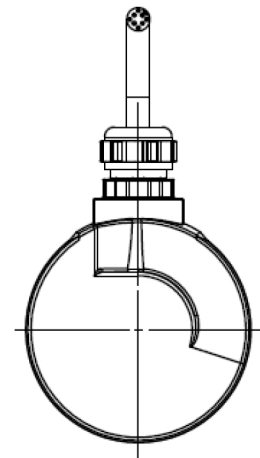
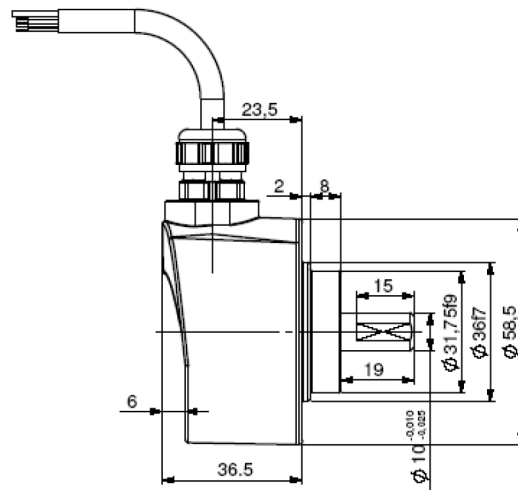
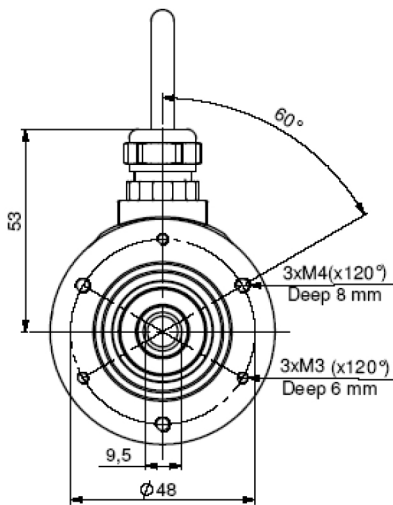
EC type examination certificate
LCIE ATEX & IECEx approved



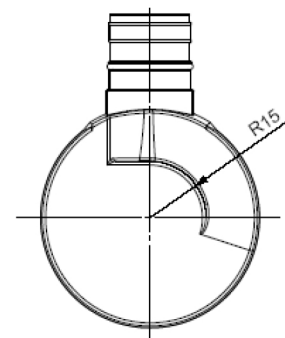
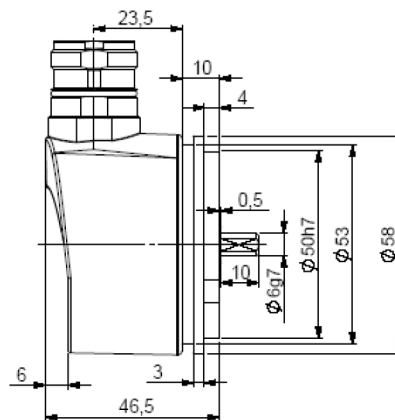
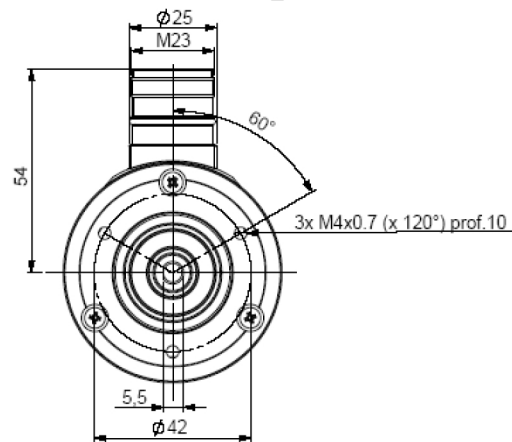
Ex ia IIC T4 Ga (electronic 2G2) or Ex ia IIB T4 Ga (electronic IG5).



IHM5_10 connection G3R (radial cable)



IHM5_06 connection G6R (radial M23), flange 9500/003* mounted onto the body



* To be ordered separately

MECHANICAL CHARACTERISTICS

Material	Cover : zinc alloy	Shock (EN60068-2-27)	≤ 500m.s ⁻² (during 6 ms)
	Body : aluminium		
	Shaft : stainless steel		
Bearings	6 000 serie	Vibration (EN60068-2-6)	≤ 100m.s ⁻² (55 ... 2 000 Hz)
Maximum loads	Axial : 50 N	EMC	EN 50081-1, EN 61000-6-2
	Radial : 100 N	Insulation	1 000 Veff
Shaft inertia	≤ 1.10 ⁻⁶ kg.m ²	Encoder weight approx.	0,300 kg
Torque	≤ 4.10 ⁻³ N.m	Operating temperature	- 30 ... + 70 °C (encoder T°)
Permissible max.speed	12 000 min ⁻¹	Storage temperature	- 40 ... + 100 °C
Continuous max. speed	9 000 min ⁻¹	Protection(EN 60529)	IP 65 (IP67 with flange option)
		Theoretical mechanical lifetime 10 ⁹ turns (F _{axial} / F _{radial})	
		25 N / 50 N : 99	50 N / 100 N : 12