

PSM



Absolute encoder single turn (PS) and multi turn (PSM) with **Profinet** interface

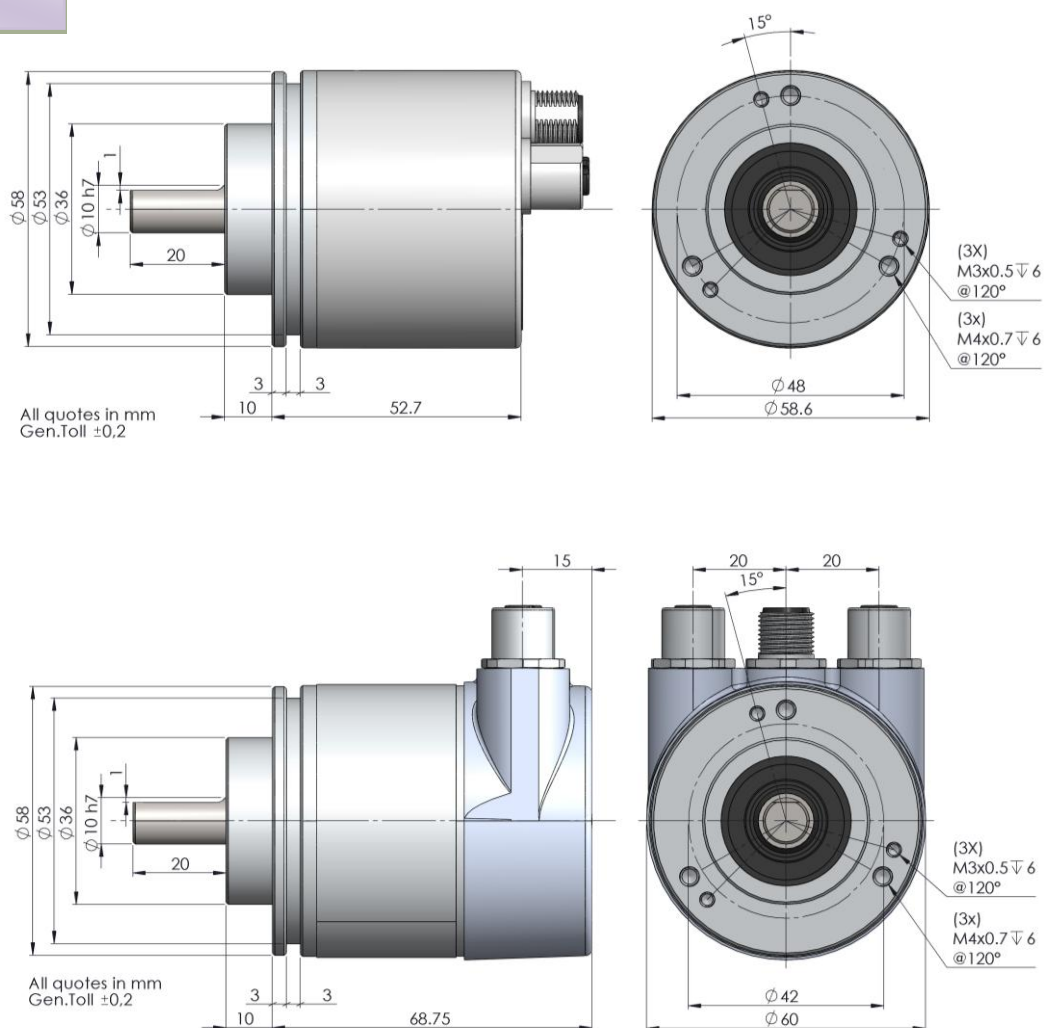


Mechanics data

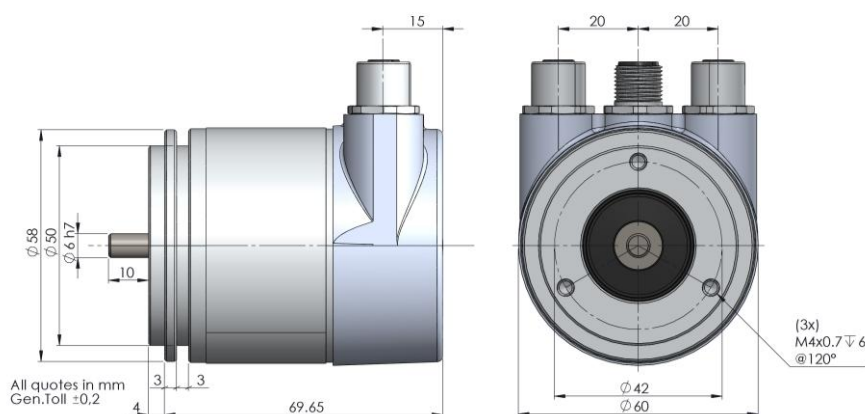
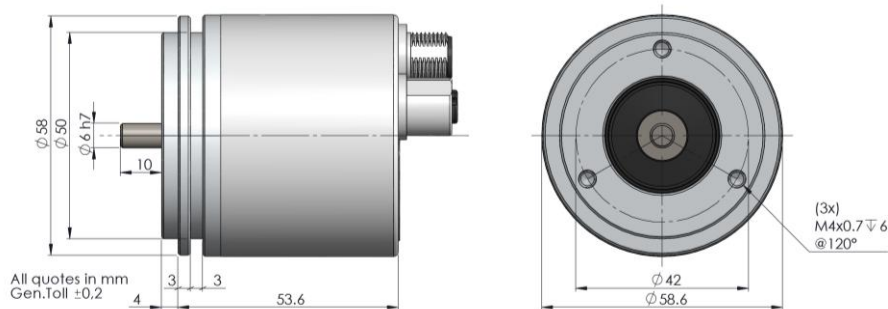
Cover: Aluminium
Body: Aluminium
Shaft: Stainless steel
Bearings: 2 ballraces
Weight: 450gr.
IP protection: IP66/67
RPM: 6000 Max
Torque: <5Ncm
Inertia: <30gcm²
Shaft Load: Axi. 40N - Rad 100N



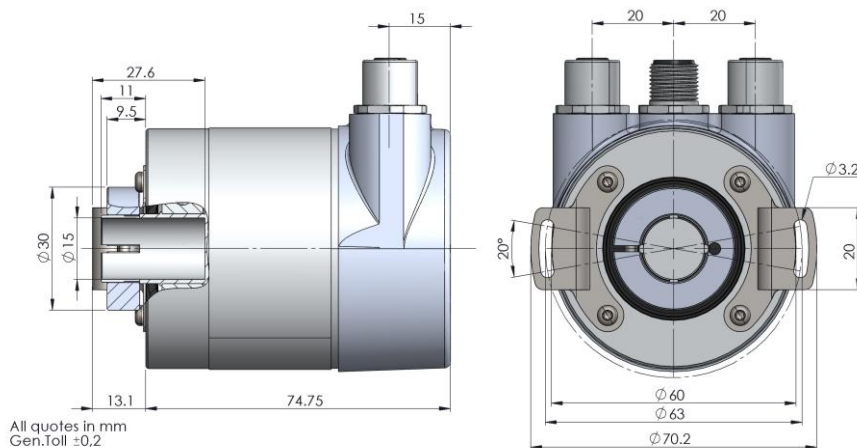
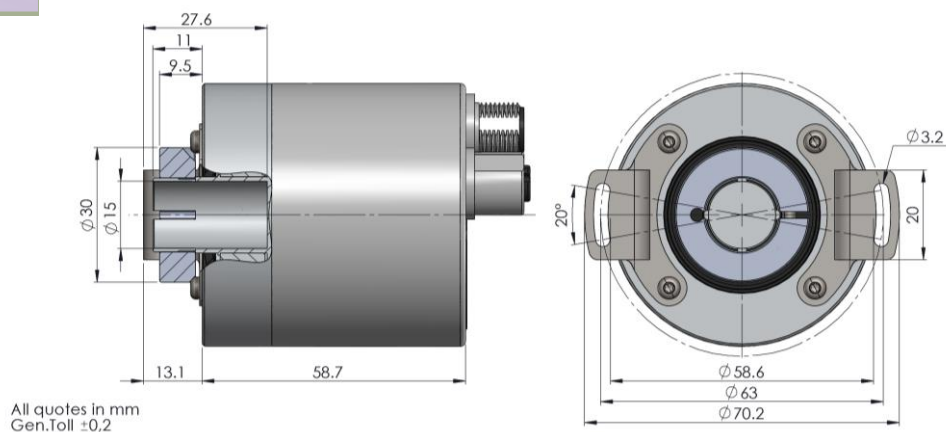
Flange 1H



Flange 33



Flange x8





Electronics Data

Power supply:	10-28V +/- 5%
Current cons.:	max 3Watt
Interface:	Profinet
Speed	Real Time (RT), Isochronous Real Time (IRT)
Device Profile:	Profidrive Profile 4.x Encoder Profile 4.0; 4.1; 4.2
Diagnostics	Different faults and warnings for Memory, Temperature, Synchronization, Commissioning diagnostics, Commissioning invalid scaling, Communication, Master's sign of life
Features:	Boot-Loader, Round Axis, Flashing LEDs, MRP, MRPD, Acceleration values
Transmission Rate	100 Mbit
Interface Cycle Time:	≥ 125 µs
Resolution:	Singleturn 13 Bit Multiturn 12 Bit
Type of Code:	Binary
Programmable functions:	Resolution, time base and filter for velocity, preset, counting direction, IP-Address, Fractional scaling, Encoder parameter control via GSDML or Non-Volatile memory
Protection:	Reverse Polarity Protection; Short circuit Protection
Operating temperature:	-40 / +85°C
MTTF:	95 years @ 40°C

Ordering code

PSM	**	6	*	F	/	**/**
PSM Multiturn	Shaft/Flange	Output	Connections	Option		(Single Turn/ Multiturn) ST / MT
	Solid Shaft 1H = Ø10mm L20 Clamping Flange 33 = Ø6mm L10 Synchro Flange D8 = Ø14mm Blind Hollow Shaft E8 = Ø15mm Blind Hollow Shaft	6 = Profinet Magnetic	J = 3x M12 4 pin Axi M = 3xM12 4 pin Rad	F = Nessuna		13 12