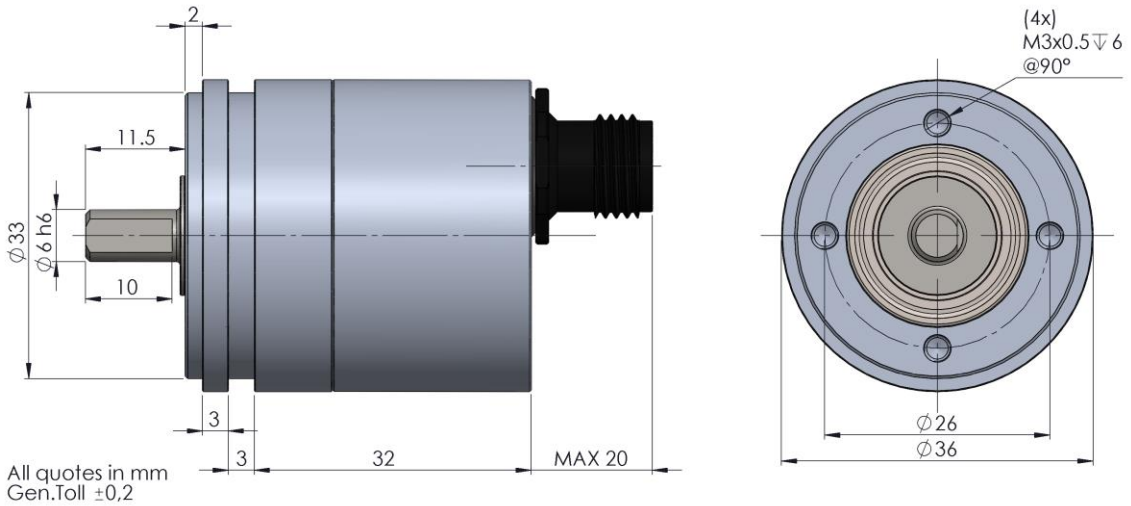
IMS
IMM

Magnetic absolute encoder single turn and multiturn, solid shaft , blind hollow shaft and hollow shaft; SSI or analogue; ø36mm

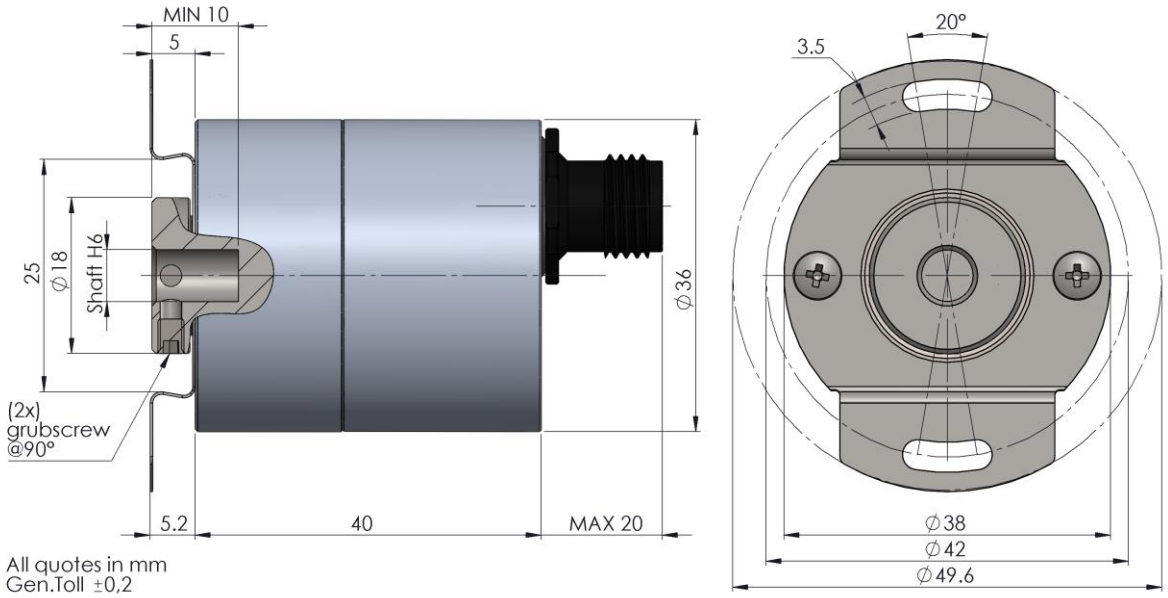
Mechanics Data

Cover: Aluminum
Body: Aluminum
Shaft: Stainless steel
Bearings: 2 a sfere / ballraces
Weight: 200gr
IP Protection: IP65
RPM: 6000 Max
Torque: 3Ncm
Inertia: 5gcm²
Shaft Loading: Axi 30N - Rad 30N

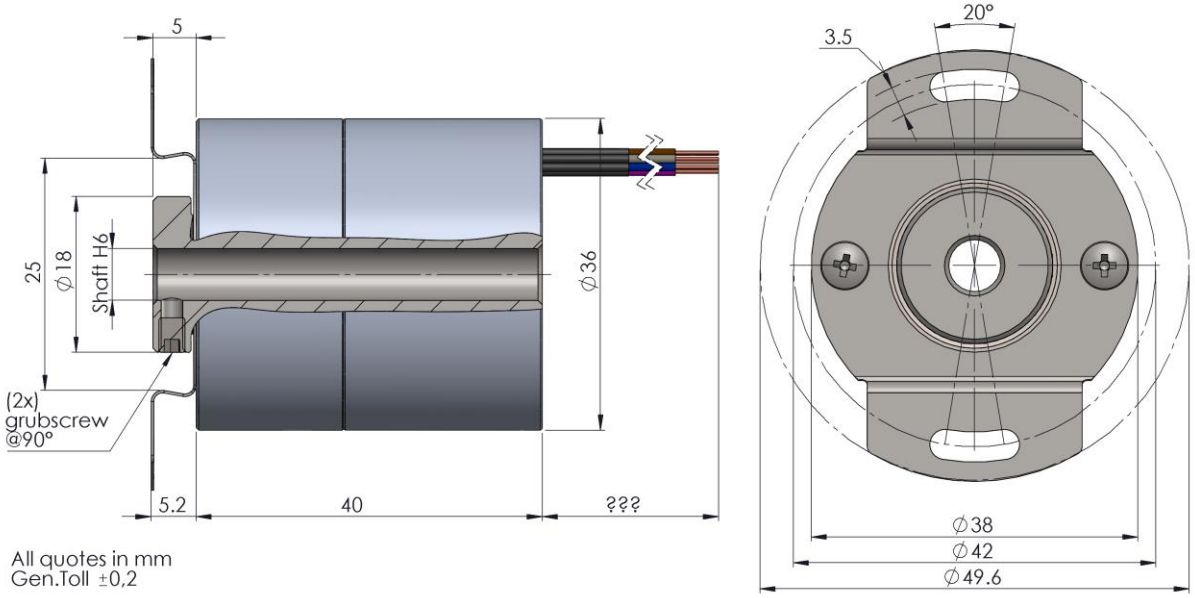
Solid shaft



Blind Hollow shaft



Hollow shaft



IMS-IMM

SSI

Resolution: Single turn max 16 Bit Multiturn 32 bit (16 Bit ST - 16bit MT)
Power Supply: 10-28V +/- 5%
Current Cons. Max 80mA
Interface SSI
Monoflop 20usec
Output Data: RS422
Type of Code: Gray / Binary
Preset: Connect to +Volt for 2 sec to Preset encoder on "0" position.
Operating temperature: Standard -20 / +70°C

ANALOG

Range: Single Turn 1ramp/ turn
Resolution: 12 bit
Power Supply: 24VDC +/- 5%
Current consumption: Max 80mA
Outputs : 4-20mA / 0-10V
Operating Temp: -20/+70°C

Ordering code

***	*	*	*	*	*	/	** / **	
Series	**Shaft**	**Flanges**	**Output**	**Connections**	**Options**		**BIT / BIT**	
Solid shaft				**SSI** S = M12 8p Axi T = M12 8p Rad 3 = Cable Rad 9 = Cable Axi (for hollow shaft, single wires) **ANALOG** J = M12 5p Axi K = M12 5p Rad 3 = Cable Rad 9 = Cable Axi (for hollow shaft, single wires)	0= None		Single Turn **SSI** 13 16 **CAN** 12 14 **ANALOG** R1 = 1 ramp/turn	Multi Turn **SSI** 12 16 **CAN** 12 18
IMS Singleturn **IMM** Multiturn	6 = ø6mm	1	3 = SSI Gray 4 = SSI Binary					
			Analog Version only IMS – Power supply 24VDC A = Analog 4-20mA V = Analog 0-10V					
Blind Hollow shaft								
IMS Singleturn **IMM** Multiturn	A = ø6mm B = ø8mm C = ø10mm	8	3 = SSI Gray 4 = SSI Binary					
Hollow shaft								
IMS Singleturn	A = ø6mm B = ø8mm C = ø10mm	9	3 = SSI Gray 4 = SSI Binary					

Connections

Analog		**0V**	**+V**	**Iout**	**Vout**	**nc**	**U/D**		
	Connector 94M12 5P	Pin1	Pin2	Pin3	Pin3	Pin4	Pin5		
	Cavo/ Cable 5p	White	Brown	Green	Green		Gray		
SSI		**0V**	**+V**	**Clock+**	**Clock-**	**Data+**	**Data-**	**Preset**	**nc**
	Connector 94M12 8P	Pin1	Pin2	Pin3	Pin4	Pin5	Pin6	Pin7	Pin8
	Cavo/ Cable 8p	Black	Blue	Brown	Beige	Green	Yellow	Pink	

All images are indicative and can not be considered binding the purpose of supplying