

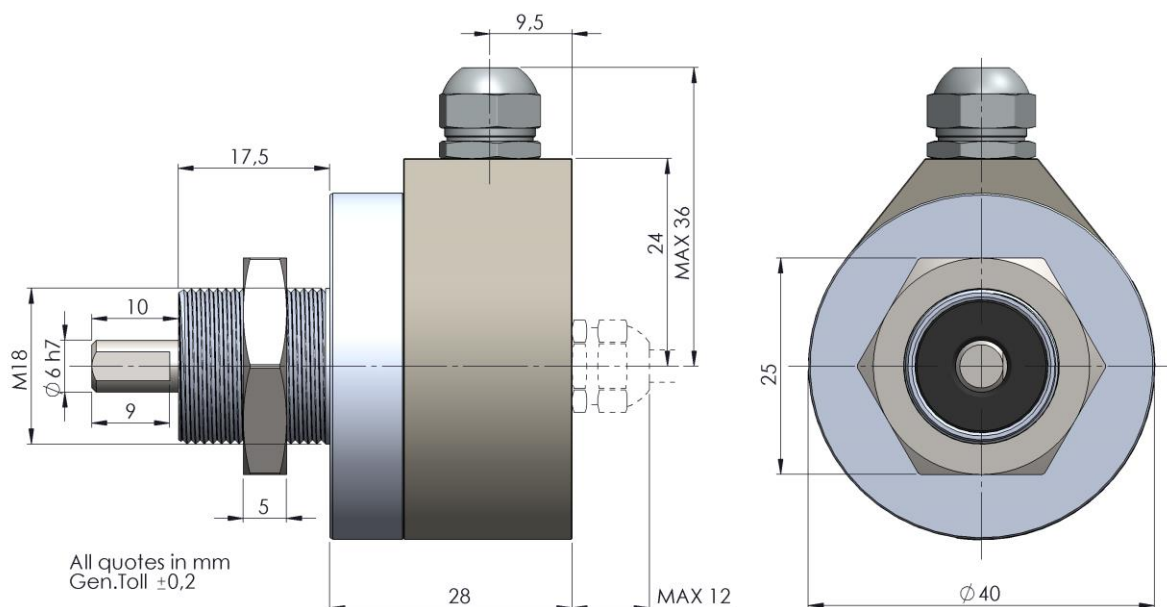
21



Very compact incremental shaft encoder, light-weight

Mechanics Data

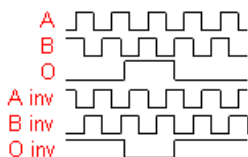
Cover :	ABS
Body :	Aluminium
Shaft :	Acciaio INOX / Stainless steel
Bearings :	2 ballraces
Weight :	150gr.
Protection:	Shaft side and cable output versions (for connector output please ask Hohner)
Rpm :	6000 Max
Torque:	3Ncm
Inertia:	5gcm ²
Shaft Loading:	Axi 30N - Rad 30N (valori massimi / max value)
Tightening torque locking:	250Ncm



21

Electronics Data

Output signals (cw)



Power Supply:	depends on the electronics circuit
Current consumption:	depends on the electronics circuit
Load:	20mA
Frequency:	Up to 150KHz depends on the electronics circuit
Protections:	Against short circuit, reversal polarity
Operating Temp:	-20/+70°C

Ordering code

21	-	21	**	*	/	****
Output				Connections		PPR
70 = AB NPN 5/28V (Max 1024 ppr)				Cable		Max 1250
00 = ABO NPN 5/28V (Max 1024 ppr)				0 = Cable 5P Axi		
7A = AB Open C. 5/28V (Max 1024 ppr)				R = Cable 5P Rad		
0A = ABO Open C. 5/28V (Max 1024 ppr)				2 = Cable 8P Axi		
2B = AB+AB PP 11/28V				8 = Cable 8P Rad		
1B = ABO+ABO PP 11/28V				DIN 5 p		
60 = AB+AB LD 5V				3 = 9414 Axi		
80 = ABO+ABO LD 5V				SUB-D 9p		
8Z = ABO+ABO LD 5V (0 agg/gated 180° to A)				1 = 9415 Axi		
8W = ABO+ABO LD 5V (0 agg/gated 90° to AB)				7 = 9415 Rad		
KW= ABO+ABO LD 11/28V (out 5V) (Max 1024 ppr) (0 agg/gated 90° to AB)				M12 5p		
E0 = AB+AB LD/PP 5V/28V				J = 94M12 Axi		
F0 = ABO+ABO LD/PP 5V/28V				K = 94M12 Rad		
FZ = ABO+ABO LD/PP 5V/28V (0 agg./gated 180° to A)				M12 8p		
FW = ABO+ABO LD/PP 5V/28V (0 agg/gated 90° to AB)				S = 94M12 Axi		
				T = 94M12 Rad		

Version E0,F0, FZ e FW: outputs level TTL compatible · Low level output <0.5V · High level output > +VCC-1,9V



	CABLE 2mt 5x014	CABLE 2mt 8x014	DIN 5p 9414	SUB-D 9p 9415	M12 5p 94M125P	M12 8p 94M128p
0V	White	Black	1	1	3	7
+V	Brown	Blue	2	2	1	2
A	Green	Brown	3	3	2	1
B	Yellow	Beige	4	4	4	4
/A		Green		5		3
/B		Yellow		6		5
0	Gray	Pink	5	7	5	6
/0		Violet		8		8