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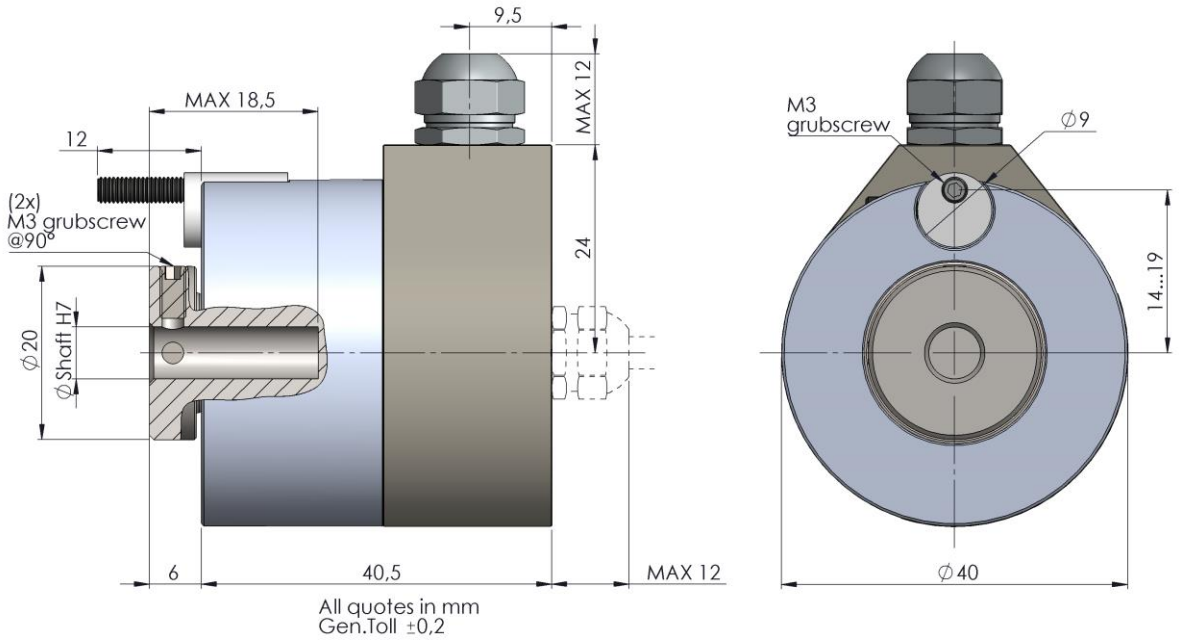
Very compact incremental semi-hollow shaft encoder

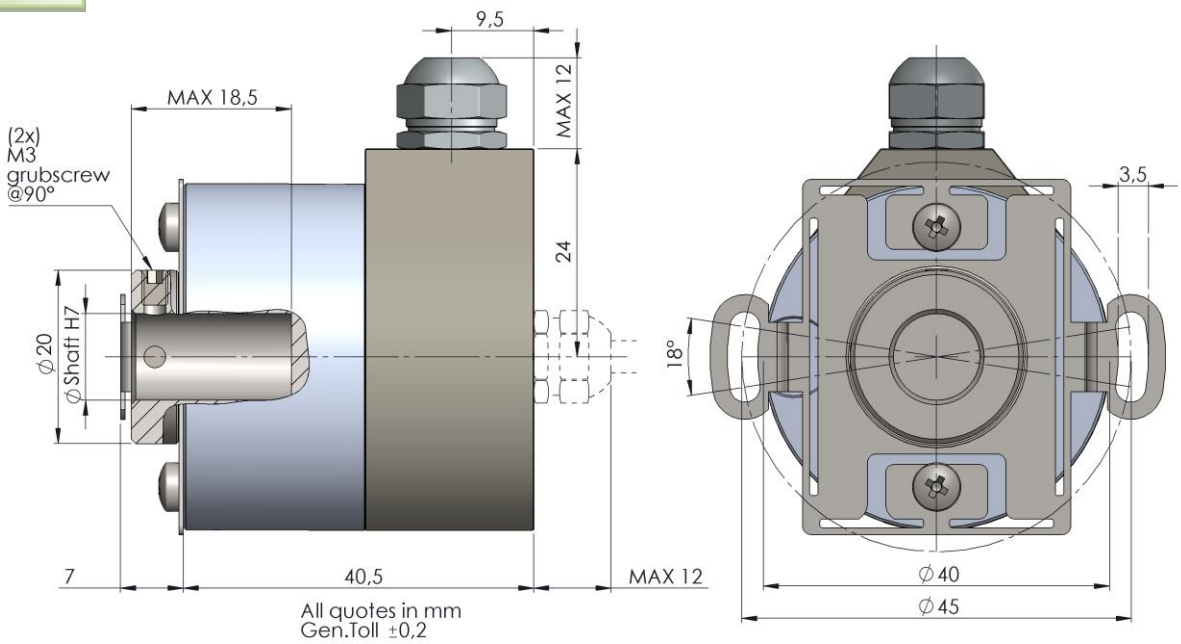
Mechanics Data

Cover :	ABS
Body :	Aluminium
Shaft :	Stainless steel
Bearings :	2 ballraces
Weight :	150gr.
Protection:	IP55
Rpm :	6000 Max
Torque:	3Ncm
Inertia	10gcm²
Shaft Loading:	Axi 30N - Rad 30N

Flange 2



Flange F


9,5
MAX 18,5
MAX 12
(2x)
M3
grubscrew
@90°
24
∅20
∅Shaft H7
18°
3,5
7
40,5
MAX 12
∅40
∅45
All quotes in mm
Gen.Toll ±0,2

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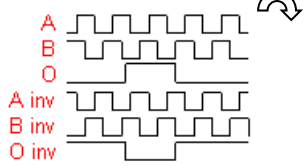
Output signals (cw)



Electronics Data

Power Supply: 5/28 depends on the electronics circuit
Current consumption: 40/80mA depends on the electronics circuit
Load: 20mA
Frequency: Up to 160KHz depends on the electronics circuit
Protections: Against short circuit, reversal polarity
Operating Temp: -20/+70°C

Ordering code

25	-	*	*	**	*	/	****
		Flange	**Shaft**	**Output**	**Connections**		**PPR**
		2 = F = See previous page	**Grub screw version** 9 = Ø 5mm 5 = Ø 6mm 8 = Ø 7mm 2 = Ø 8mm 0 = Ø 10mm **Clamping-ring version** A = Ø 6mm B = Ø 8mm	70 = AB NPN 5/28V (Max 1024 ppr) 00 = AB0 NPN 5/28V (Max 1024 ppr) 7A = AB Open C. 5/28V (Max 1024 ppr) 0A = AB0 Open C. 5/28V (Max 1024 ppr) 2B = AB+$\overline{AB}$ PP 11/28V 1B = AB0+$\overline{AB0}$ PP 11/28V 60 = AB+$\overline{AB}$ LD 5V 80 = AB0+$\overline{AB0}$ LD 5V 8Z = AB0+$\overline{AB0}$ LD 5V (0 gated 180° to A) 8W = AB0+$\overline{AB0}$ LD 5V (0 gated 90° to AB) KW= AB0+$\overline{AB0}$ LD 11/28V (out 5V) (Max 1024 ppr) (0 gated 90° to AB) E0 = AB+$\overline{AB}$ LD/PP 5V/28V F0 = AB0+$\overline{AB0}$ LD/PP 5V/28V FZ = AB0+$\overline{AB0}$ LD/PP 5V/28V (0 gated 180° to A) FW = AB0+$\overline{AB0}$ LD/PP 5V/28V (0 gated 90° to AB)	**Cable** 0 = Cable 5P Axi R = Cable 5P Rad 2 = Cable 8P Axi 8 = Cable 8P Rad **DIN 5 p** 3 = 9414 Ass **SUB-D 9p** 1 = 9415 Axi 7 = 9415 Rad **M12 5p** J = 94M12 Axi K = 94M12 Rad **M12 8p** S = 94M12 Axi T = 94M12 Rad		Max 3600

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