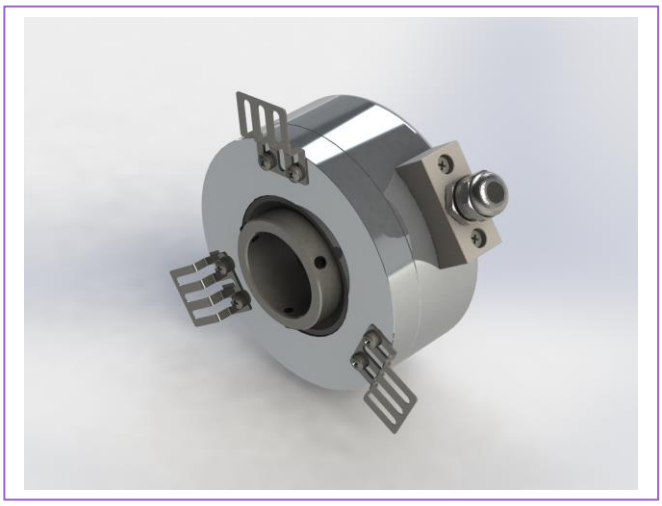
PZK

SSI and Analog Single/Multi turn hollow shaft encoder
Ø15mm → ø32mm
Up 38 bit : Single Turn Max 20 bit – Multi Turn Max 18 bit

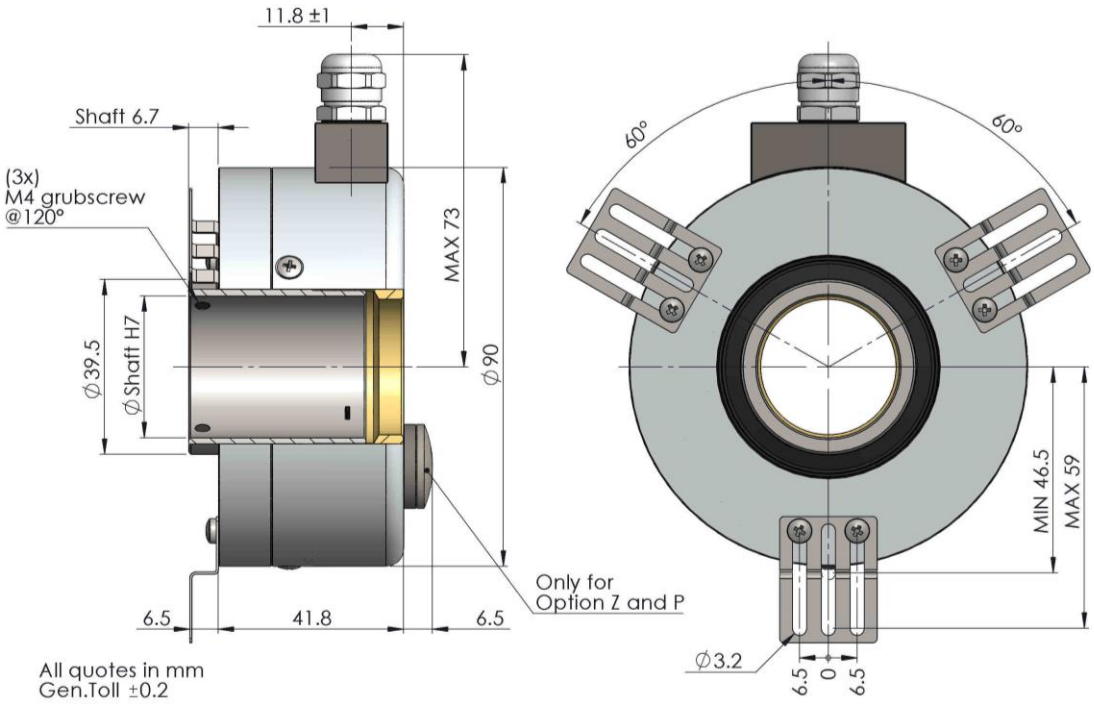


Mechanics Data

Cover : Aluminium
Body : Aluminium
Shaft : Stainless steel
Bearings : 2 ballraces
Protection: IP65
Rpm : Shaft 3000 Max
Torque: 19Ncm→35Ncm
Inertia: 350→500 gcm²
Shaft Loading: Axi 100N - Rad 100N

PZK*: ø90mm · Shaft up to ø32mm

Flange 4



PZK

Electronics Data

	SSI	ANALOGUE
Resolution:	ST: Single turn max 20 Bit MT : Multi Turn 18 Bit	ST = Single turn max 14 Bit MT = Multi turn max 14 bit
Power Supply:	5-28VDC +/-5%	24VDC
Current consumption:	max 160mA	
Interface:	SSI	Analogue
Time Monoflop	1/ClockFrequency*1,5 Example: 1 MHz → 1,5usec ; 100KHz → 15usec	
Output Data:	RS422	4-20mA · 0-10V (14 bit)
Output Code:	Gray or Binary	
Operating Temp:	20/+70°C	

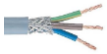
Ordering code

PZK	Shaft	Flange	Outputs	Connections	Options	/	Resolution
	1 = ø15mm 2 = ø20mm 3 = ø25mm 4 = ø25,4mm 5 = ø30mm 6 = ø32mm	4	***SSI Output***				
			S = SSI 5-28Vdc	**Cable** 3 = Cable Rad **M23 12 P** 5 = 9416Rad **M12 8P** T = 94M12 Rad	0 = None Z = Preset *		**Absolute Singleturn (max20bit)** Example: 13G =13 bit Gray 20B = 20 bit Binary **Absolute Multiturn (max20bit ST e 18 Bit MT)** Example: 1312G =13 bit ST+ 12bit MT Gray 2018B = 20 bit ST + 18Bit MT Binary
			Analog Output				
			C = 4-20mA D = 0-10V	**Cable** 3 = Cable Rad **M23 12 P** 5 = 9416Rad **M12 5P** K = 94M12 Rad	0 = None Z = Preset *		**Analog Outputs Single Turn (14 bit)** R1 = 1 ramp/turn R2 = 2 ramp/turn R4 = 4 ramp/turn **Analog Outputs Multi Turn (14 bit)** 0806 = 64 turns 0212 = 4096 turns 0014 = 16384 turns
			Programmable Analog Output				
			C = 4-20mA D = 0-10 Volt	**Cable** 3 = Cable Rad **M23 12 P** 5 = 9416Rad **M12 5P** K = 94M12 Rad	P = *Programmable* **		PR01 = (max 4096 turns) PR03 = (max 65536 turns)

* **Preset :** *Set to 0 position with push button*

** ***Programmable Analog Output***
Programmable version : Set analog position 4mA and 20mA (or 0 and 10Volt) with push button

SSI Output Connections

			
	CABLE 2mt 8x014	**M23 12 p 9416**	**M12 8p 94M128p**
0V	Black	1	1
+V	Blue	8	2
Data+	Brown	2	3
Data-	Beige	10	4
Clock+	Green	3	5
Clock-	Yellow	11	6

Analog Output Connections

			
	CABLE 2mt 5x014	**M23 12 p 9416**	**M12 5p 94M125P**
0V	White	1	1
+V	Brown	2	2
4-20mA	Green	3	3
0-10V	Green	5	3
Up/Down*	Gray	7	5

* = *Up/Down connected to +V= CW ; Up/Down connected to 0V = CCW*