

STS-STM



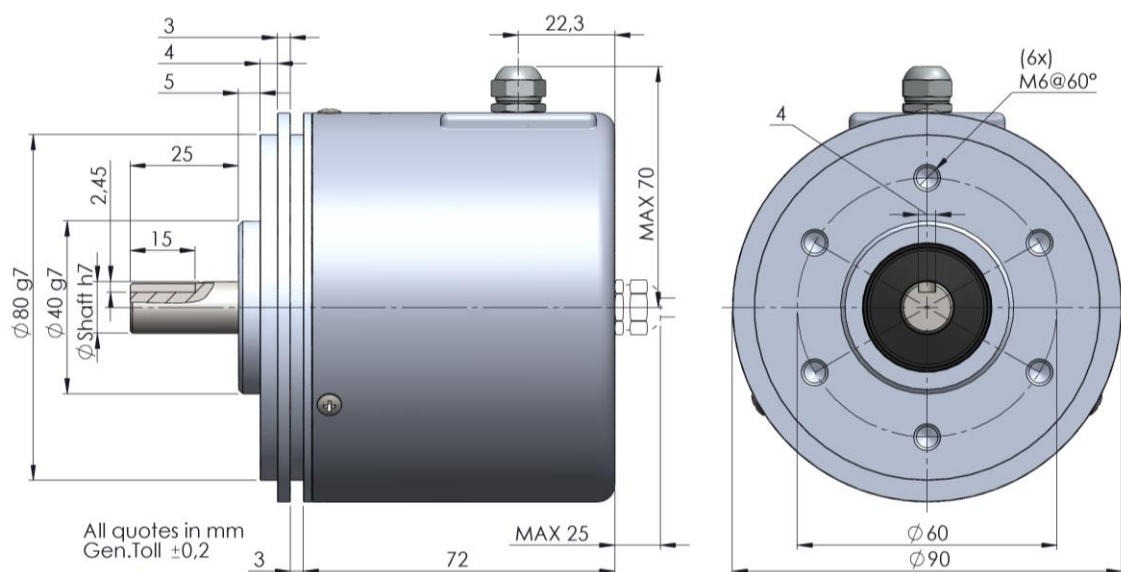
Encoder assoluto SSI con uscite sin cos fino a 33 bit .
Singolo giro e multi giro ø90mm
*Absolute Encoder SSI and sin-cos ø90mm up to 33Bits
with Reset single turn and multiturn*

Dati Meccanici / Mechanics Data

Custodia / Cover:	Alluminio laccato / <i>Lacquered aluminium</i>
Flangia/ Body:	Alluminio naturale / <i>Aluminum</i>
Albero / Shaft:	Acciaio INOX / <i>Stainless steel</i>
Cuscinetti / Bearings:	2 a sfere / <i>ballraces</i>
Peso / Weight:	300gr
Classe protezione / IP Protection:	IP65
Giri al minuto / RPM:	6000 Max
Coppia / Torque:	5Ncm
Momento inerzia / Inertia :	270gcm ²
Carico sull'albero / Shaft Loading:	Axi 100N - Rad 100N

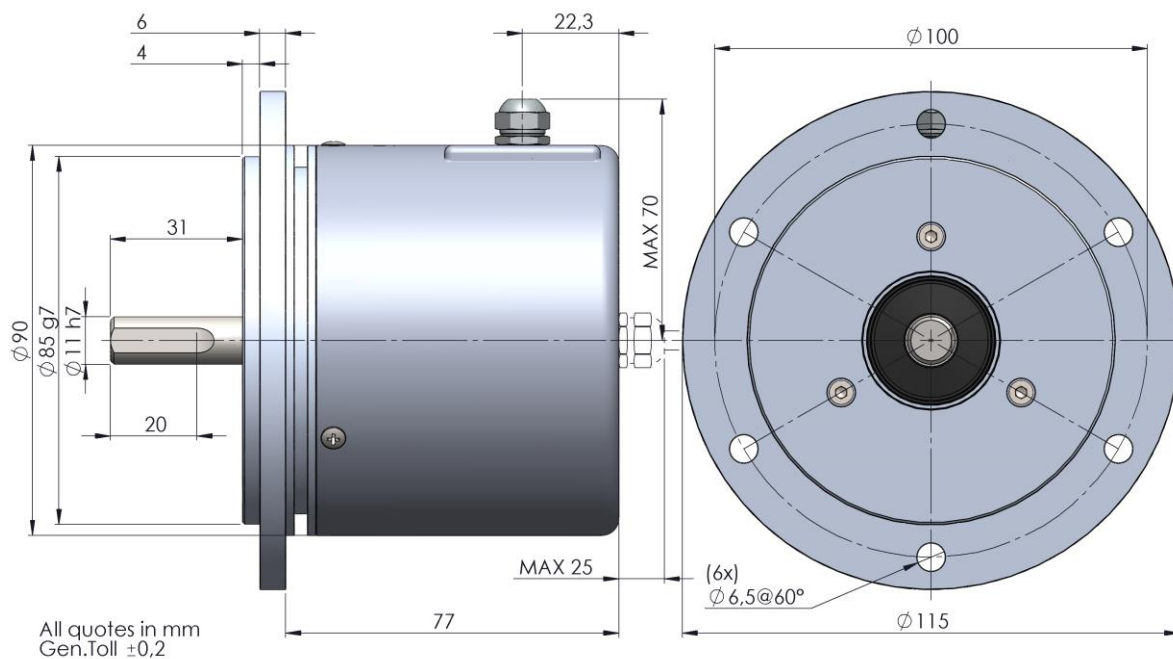


Version 1,2



Nota: Tutte le immagini sono puramente indicative e non possono essere considerate vincolanti ai fini della fornitura
All images are indicative and can not be considered binding the purpose of supplying

Version 3



STS-STM

Dati Elettronici / Electronics Data

Risoluzione / Resolution:	ST: Single turn max 17 Bit MT: Multiturn 33 bit (17 Bit ST - 16bit MT)
Alimentazione / Power Supply:	10-28V +/- 5%
Assorbimento / Current Cons.	160mA
Interfaccia / Interface	SSI / BiSS C
Monoflop	20usec
Uscita Dati / Output Data:	RS422
Codice / Type of Code:	Gray / Binary
Temperatura di lavoro / Operating temperature:	Standard -20 / +70°C

Esempio d'ordine/ Ordering code

***	**	*	*	*	/	** / **	
Serie Series	Albero e Flangia Shaft and Flanges	Uscite Output	Connessioni Connections	Opzioni Options		BIT / BIT	
STS = Singleturn STM = Multiturn	Version 1 13= Shaft Ø 10mm Flange Ø 90mm Version 2 23= Shaft Ø 12mm Flange Ø 90mm Version 3 33= Shaft Ø 11mm Flange Ø 115mm	3 = SSI Gray 4 = SSI Binary 5 = SSI Gray + SinCos 2048 1Vpp	Cavo / Cable 9 = Cable Axi 3 = Cable Rad M23 12p 1 = 9416 Axi CW 2 = 9416 Rad CW 4 = 9416 Axi CCW 5 = 9416 Rad CCW	0= None Z= Reset 5 = 5 Volt K= Connection K		Single Turn 12 13 14 15 16 17 (360) *	Multi Turn 12 16

Cable Standard	9416 12P Standard connection	9416 12P Connection K		
Blu/ Blue	3	1	CLOCK+	Input Clock +
Bianco/Blu White/Blue	11	2	CLOCK-	Input Clock -
Giallo / Yellow	2	3	DATA+	Output Data +
Bianco/Giallo White/Yellow	10	4	DATA-	Output Data -
Verde / Green	4	5	A	Channel A (SinCos version)
Rosa / Pink	6	6	B	Channel B (SinCos version)
Verde/Giallo Green/Yellow	7	7	A-	Channel A- (SinCos version)
Nero / Black	5	8	UP/DOWN	(default: CW increase, to invert connect this pin to 0V)
	12	nc	GND OUT	Internally connected with Pin 1.
Viola / Violet	9	10	B-	Channel B- (SinCos version)
Marrone / Brown	8	11	+VCC	+Vcc
Beige / Beige	1	12	0V	0V

OPZIONE RESET: Pulsante accessibile dal coperchio.
Canali A, A/, B, B/ presenti solo con uscite 5 e A

RESET OPTION: Reset button on the cover.
Channel A, /A, B, /B, present only with output 5 and A.