hohner
Elektrotechnik Werne

Series CMMXE SSI multiturn absolute stainless steel shaft encoder

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- Protection: U = IP66/67 Stainless Steel
- Shaft Size: K5 = 12 x 20 mm
- Output: 86 = SSi grey; 87 = SSi binary
- Connection: 3 = 10m cable; 5 = 20m cable
- Exit: A = Axial; R = Radial
- Resolution: 1212 = 12x12 bit; more available

IECEx

Class I, Zone 1; Zone 21; Class II, Div 2

Technical Data

Operating temp:	- 20 ...+ 60 degrees C - 4 ...+ 140 degrees F
Power supply:	11 - 24V
Power consumption:	3 Watts
Signal frequency:	80kHz - 1MHz
Weight:	2.5Kg
Data Output:	RS422 Diferential
Protection:	IP 66 / 67
Housing:	S. Steel
Shaft:	S. Steel
Bearings:	2 x 6001 RSH
Torque:	0.4 oz/in (3 N-cm)
Shaft Seal:	Nitrile Double Lip
Humidity:	Up to 98% permissible
Speed:	3000 RPM max.
Shock:	10g (6msec)
Vibration:	5g (500 Hz)
Shaft load:	Radial max 10 lbs

Output for SSi

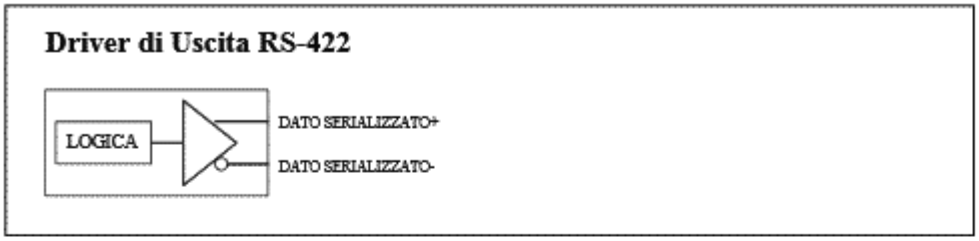
Connection Options

SSi	**cable with colours**
GND	Black
PS 11 ... 24 V	Red
Clock +	White
Clock -	Blue
Data S +	Yellow
Data S -	Green
Reset	Grey
Up / Down	Violet (leave disconnected for up)
Reset	Violet (connect to GND for down)

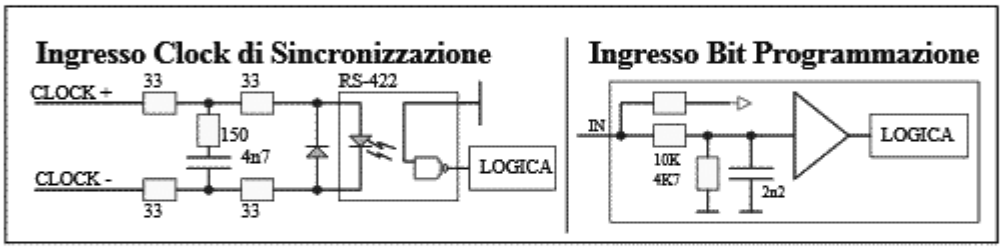
Series CMMXE

Absolute SSI Multiturn Shaft Encoder

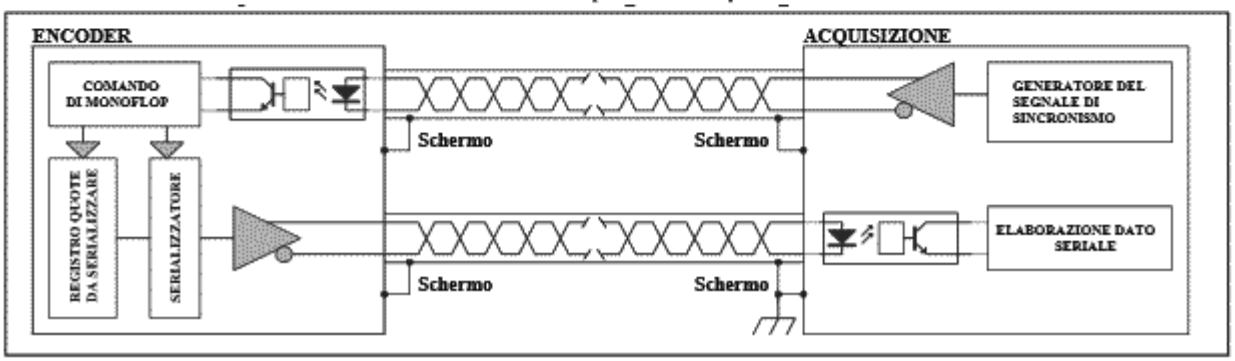
Output Circuit



Input Circuit



Schematic for interface Encoder-Aquisition per data transission



Certifications

Flameproof, does not require barrier for use in hazardous areas, and we use a barrier gland for added safety

IP 66/X7

ATEX [Certificate]

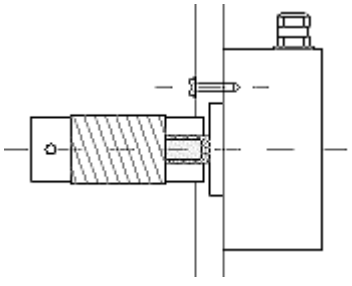
IECEx [Certificate]

CSA [Certificate]

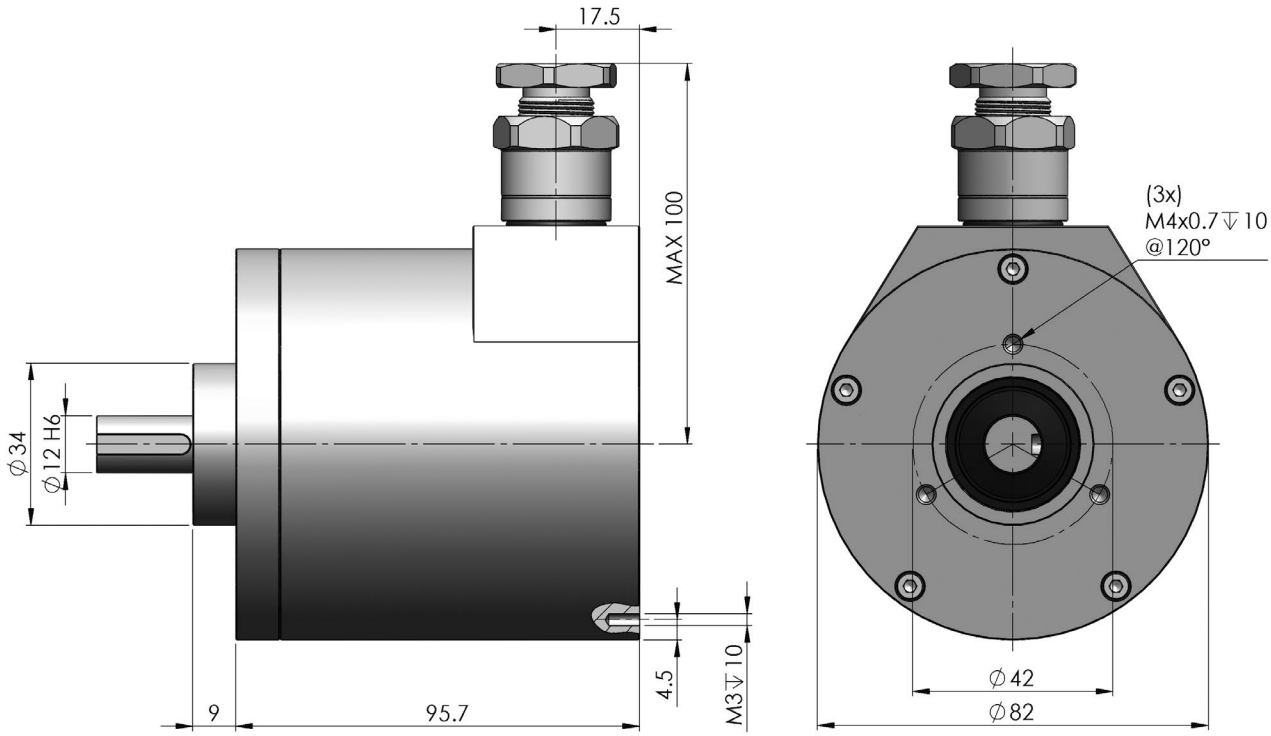
GOST-CU [Certificate]

Mounting Instructions

To mount encoder on machine: Option 1 is to mount with 3 screws or, option 2 is to mount using synchroflange mounting brackets. Hook up the encoder with the connections as described. Make sure power supply meets specifications. Attach encoder to mounting bracket as shown. Attach shaft using a flexible coupling.



Dimensions (extended lid)



All quotes in mm
Gen.Toll ±0,2