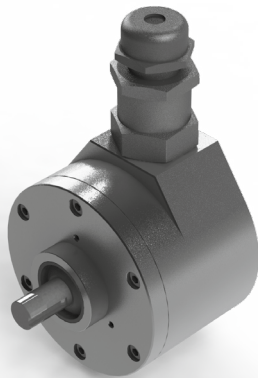


## Series CSMXE SSI absolute stainless steel shaft encoder



M E X X - 8 X X X - X X X X

<p><u>Output</u></p> <p>86 = SSi grey</p> <p>87 = SSi binary</p>	<p><u>Resolution</u></p> <p>4096 = 12 bit</p> <p>more available</p>
<p><u>Shaft Size</u></p> <p>K5 = 12 x 20 mm</p>	<p><u>Exit</u></p> <p>A = Axial</p> <p>R = Radial</p>
<p><u>Protection</u></p> <p>E = IP66/67 Stainless Steel</p>	<p><u>Connection</u></p> <p>3 = 10m cable</p> <p>5 = 20m cable</p>



**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

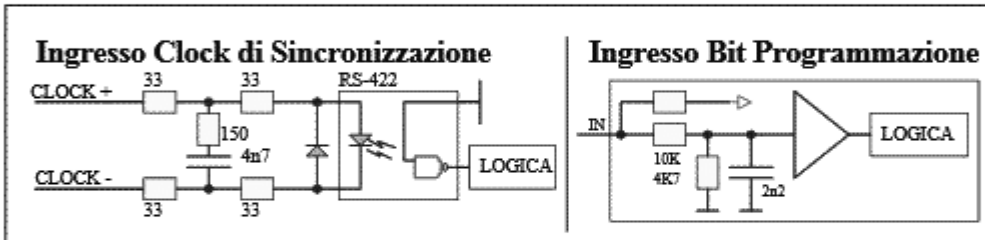
### Connection Options

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

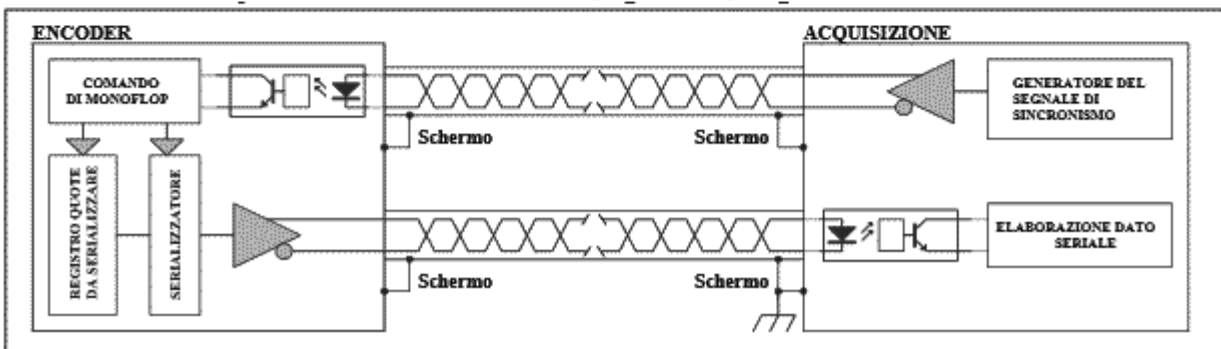
## Output Circuit



## Input Circuit



## Schematic for interface Encoder-Acquisition per data transmission



## Certifications

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

IP 66/X7

ATEX [\[Certificate\]](#)

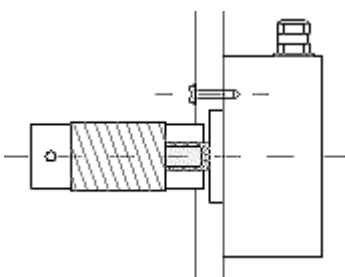
IECEX [\[Certificate\]](#)

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

