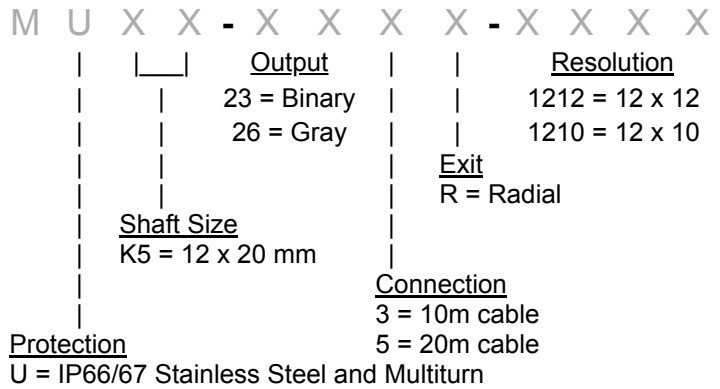


Series CMMXE stainless steel absolute parallel multiturn shaft encoder



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

Technical Data

| | |
|-------------------------|--|
| Operating temp: | - 20 ...+ 60 degrees C - 4 ...+ 140 degrees F |
| On request: | -20 ... + 100 degrees C |
| Power supply: | 11 - 24V |
| Current consumption: | 100 mA (max.) |
| Line driver output max: | 50 mA per channel |
| Weight: | 2.5 kg |
| Protection: | IP 66 / 67 |
| Housing: | Stainless Steel |
| Shaft: | Stainless Steel |
| Bearings: | 2 x 6001 ZZ C2 |
| Torque: | 0.4 oz/in (3 N-cm) |
| Shaft Seal: | Nitrile Double Lip |
| Humidity: | Up to 98% permissible |
| Speed: | 300 RPM max. |
| Shock: | 10g (6msec) |
| Vibration: | 5g (500 Hz) |
| Shaft load: | Radial max 10 lbs |

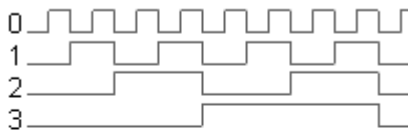
Connection Options

| Bin / Gray | cable |
|--------------------------|--------------|
| PS GND | Black |
| PS 12 ... 24 V | Red |
| 2-0 (LSB) | White |
| 2-1 | Blue |
| 2-2 | Yellow |
| 2-3 | Green |
| 2-4 | Violet |
| 2-5 | Brown |
| 2-6 | Pink |
| 2-7 | Grey |
| 2-8 | White/Black |
| 2-9 | Red/Blue |
| 2-10 | Red/Brown |
| 2-11 (MSB) | Green/Blue |
| Multiturn Section | |
| 2-12 | Yellow/White |
| 2-13 | White/Red |
| 2-14 | Yellow/Blue |
| 2-15 | White/Blue |
| 2-16 | Blue/Brown |
| 2-17 | Black/Brown |
| 2-18 | White/Green |
| 2-19 | Brown/Green |
| 2-20 | Green/Grey |
| 2-21 | Yellow/Grey |
| 2-22 | Grey/Brown |
| 2-23 | White/Grey |

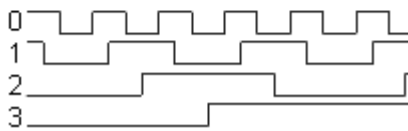
ccw/cw
Yellow/Brown
(put to ground for dir change)

Count will increment in cw direction

Binary Code Output



Gray Code Output



Certifications

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

IP 66/X7

ATEX [\[Certificate\]](#)

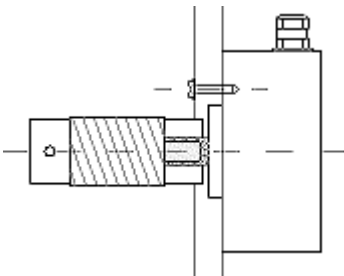
IECEX [\[Certificate\]](#)

CSA [\[Certificate\]](#)

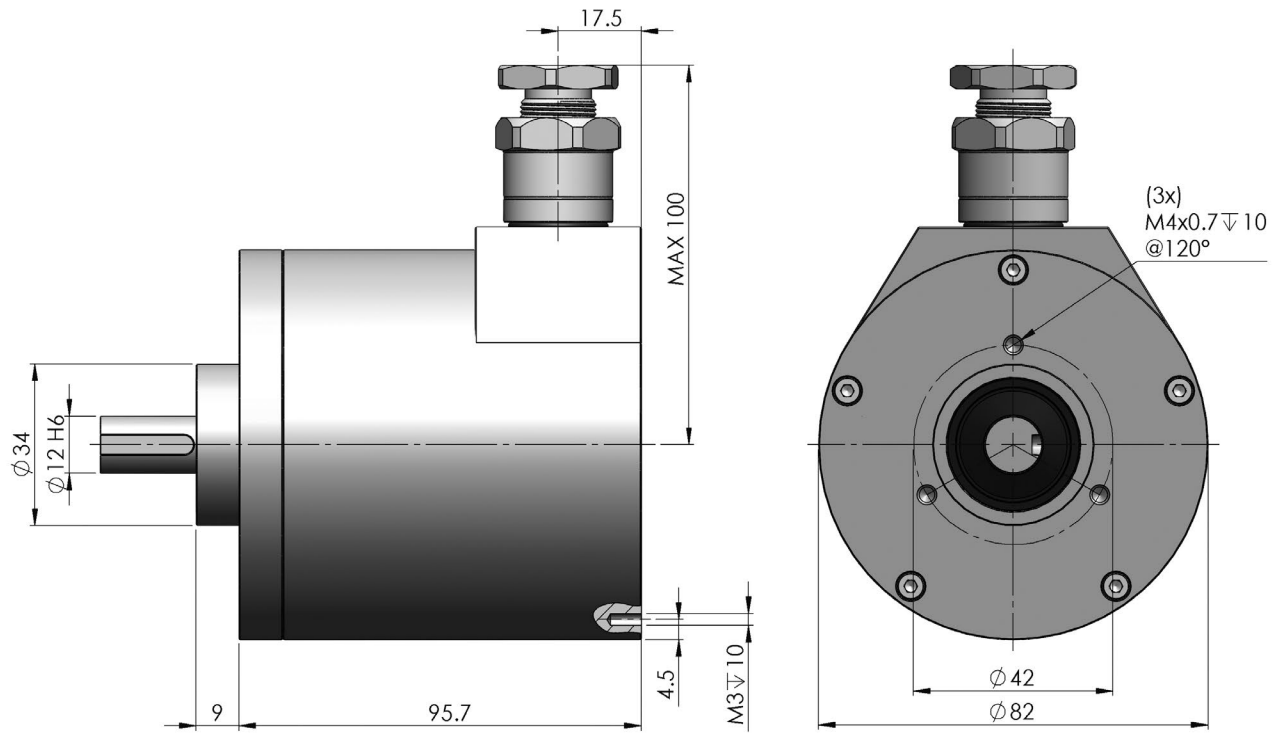
GOST-CU [\[Certificate\]](#)

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 (radial only)



All quotes in mm
Gen.Toll $\pm 0,2$