

**Inductive Shaft encoder, Absolute**

- 58mm diameter
- Extremely robust design
- Shock and vibration protected
- Inductive scanning

**Mechanical data**

| | |
|--------------------------------------|-------------------------|
| Operating temperature | -40 °C...+100 °C |
| Ingress protection class [IEC 60529] | IP 66 and IP 67 |
| Vibration [IEC 60068-2-64] | ≤ 300 m/s ² |
| Shock [IEC 60068-2-27] | ≤ 2000 m/s ² |
| Shaft load max (axial/radial) | 100 / 125 N |
| Rotational speed max | 12000 rpm |
| Shaft material | Stainless steel |
| Cover material | Aluminium (anodized) |
| Weight | Appr. 340 g |

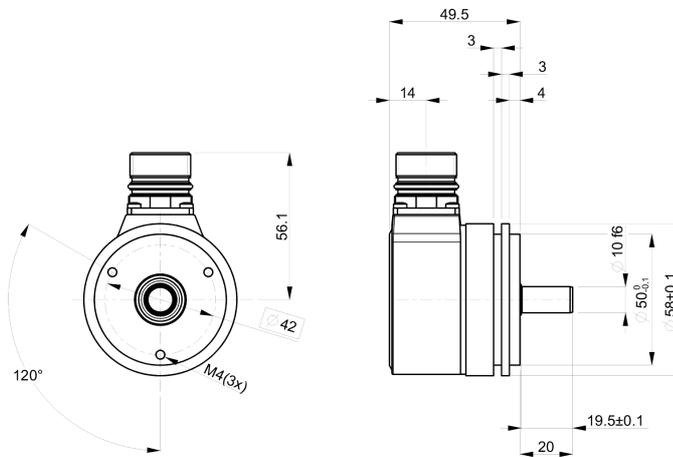
Encoder configuration

| | |
|-------------------------------|--------------------------|
| Code key | 60792612 |
| Type | ISA |
| Model | 607 Singleturn |
| Shaft type | Ø10 mm round |
| Flange type | Synchro flange (63-type) |
| Incremental signal resolution | 32 ppr 1Vpp (Sinusoidal) |
| Power supply | 5-30 Vdc |
| Output interface | SSI Gray |
| Absolute resolution | 19 bit singleturn |
| Connection type | M23 connector 17-pin |
| Connecting direction | Radial |

Electrical data

| | |
|-------------------------------|-----------------|
| Polarity protected | Yes |
| Current consumption (No load) | 30 mA at 24 Vdc |
| Cable length max | Max. 100 m |
| Absolute accuracy | ± 100 arcsec |

Dimensions

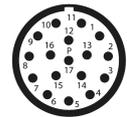


Supported functions

Code sequence- Active high If not connected or connected to 0V the position will increase when the shaft is turned clockwise (CW) seen from the shaft end. If connected to a high logic level the position will increase while turned counter clockwise (CCW).
 Preset- Active high When connected to a high level for minimum 1ms the position value is set to zero (0)

Pin Configuration

| Function | Pin / Colour |
|----------------|-------------------|
| 0 Volt | 10 / White-Green |
| 0V sense | 4 / White |
| +E Volt | 7 / Brown-Green |
| +EV sense | 1 / Blue |
| A | 15 / Green-Black |
| A inverted | 16 / Yellow-Black |
| B | 12 / Blue-Black |
| B inverted | 13 / Red-Black |
| Data | 14 / Grey |
| Data inverted | 17 / Pink |
| Clock | 8 / Violet |
| Clock inverted | 9 / Yellow |
| Code sequence | 2 / Black |
| Zeraset | 5 / Green |



Note: Accessory cable wire colours are different from encoder cable wires

Order information

| | |
|-------------|------------|
| Part number | 1077592-01 |
|-------------|------------|