



- **Elettronica Universale: Line Drive, Push-Pull, NPN**
- **Universal Interface: Line Driver, Push-Pull, NPN**
- **Multitensione: da 5 a 30 V DC**
- **Universal Power supply: from 5 to 30 V DC**
- **Albero in Acciaio INOX**
- **INOX shaft**
- **Custodia in plastica**
- **Plastic case**

- Risoluzioni standard fino a 24000 ppr
- Standard resolution up to 24000 ppr
- Frequenza operativa fino a 300 K Hz
- Max frequency up to 300 K Hz
- Velocità di rotazione fino a 6000 rpm
- Maximun Speed up to 6000 rpm
- Grado di protezione fino a IP66
- Enclosure rating up to IP66
- Uscita cavo o connettore
- Output cable or connector



\* SU RICHIESTA

### Elettronica / Electronic interface

|                                          |                                                           |
|------------------------------------------|-----------------------------------------------------------|
| Alimentazione<br>Power supply            | 5..28 V DC<br>(Protetta / Protected)                      |
| Corrente di carico<br>Max load current   | 50 mA (20mA Line Driver)                                  |
| Assorbimento<br>Energy consumption       | 800 mW                                                    |
| Elettronica uscita<br>Output interface   | NPN - NPN open collector<br>Push-Pull - Line Driver       |
| Frequenza operativa<br>Max Frequency     | 300K Hz                                                   |
| Direzione conteggio<br>Counter direction | Fase A in anticipo / leads Fase B<br>(Oraria / Clockwise) |
| Risoluzione<br>Standard Resolution       | Da / From 100 a / Up to 24000 ppr                         |
| Compatibilità EMC<br>EMC compatibility   | IEC 61000-6-2,<br>IEC 61000-6-4                           |

### Connessioni / Connection

| Descr. / Descrip. | Cavo / Cable | Out M10 |
|-------------------|--------------|---------|
| +V DC             | Red          | D-E     |
| 0 V               | Black        | F       |
| Ch. A             | Green        | A       |
| Ch. A\            | Brown        | G       |
| Ch. B             | Yellow       | B       |
| Ch. B\            | Orange       | H       |
| Ch. Z             | Blue         | C       |
| Ch. Z\            | White        | I       |
| shild             | shild        | J       |

### Impulsi giro Standard / Standard pulse per revolution

100 - 120 - 128 - 150 - 200 - 240 - 250 - 256 - 300 - **360** - 400 - 480  
**500** - **512** - **600** - 625 - **720** - 750 - 800 - 900 - **1000** - **1024** - 1200 - 1250  
 1440 - 1500 - 1600 - 1800 - **2000** - **2048** - **2500** - 3000 - **3600** - 4000  
 4096 - **5000** - 6000 - **7200** - 8000 - 8192 - 9000 - **10000** - 10240 - 12000  
**14400** - 16000 - 16384 - 18000 - **20000** - 20480 - 24000  
 A richiesta versione da 1 a 100 impulsi giro / On request version from 1 to 100 PPR

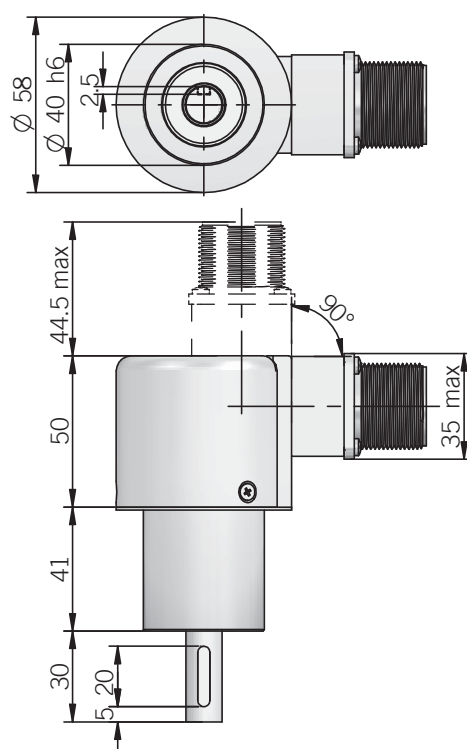
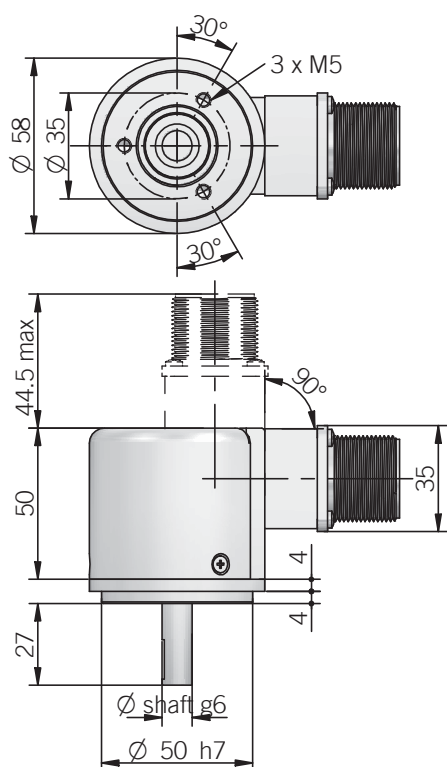
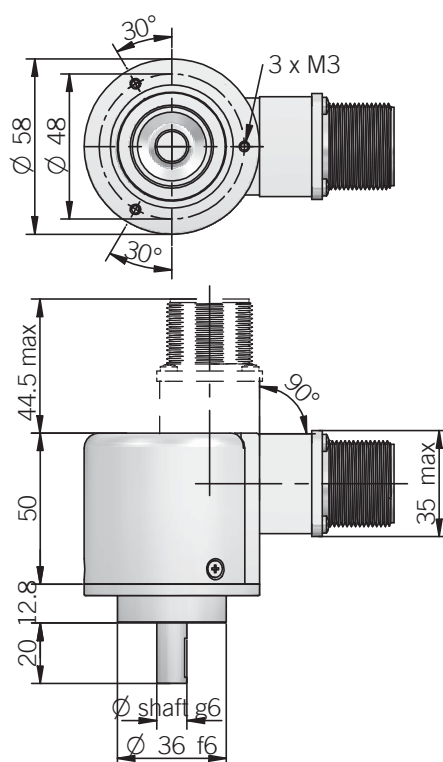
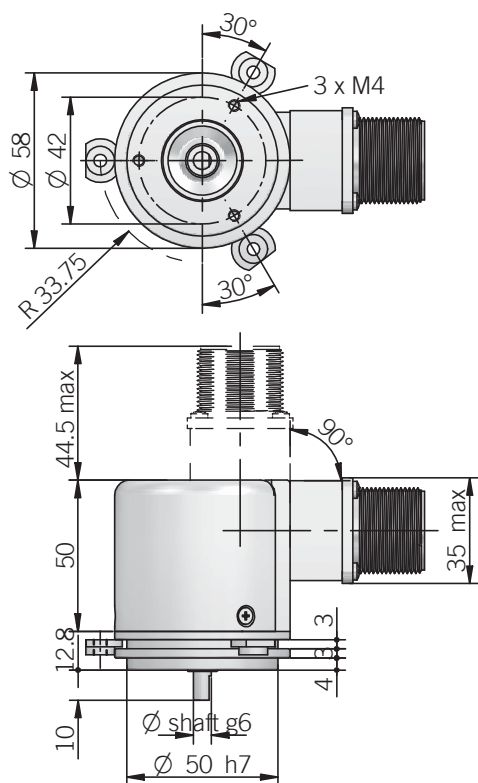
### Meccanica / Mechanical

|                                         |                                                            |
|-----------------------------------------|------------------------------------------------------------|
| Diametro albero<br>Shaft diameter       | ø 6 / 8 / 10 mm                                            |
| Grado di protezione<br>Enclosure rating | IP54 (IEC 60529)<br>IP66 (IEC 60529)                       |
| Velocità massima<br>Maximun Speed       | 3000 rpm                                                   |
| Carico massimo<br>Max load on the shaft | 10 N Axial, 20 N Radial<br>(with ø 6 shaft) 200 N          |
| Shock                                   | 50 G, 11 ms (IEC 60068-2-27)                               |
| Vibrazioni<br>Vibration                 | 20 G, 20..2000 Hz (IEC 60068-2-6)                          |
| Corpo<br>Body materials                 | Alluminio / Aluminum EN-AW 2011                            |
| Albero<br>Shaft materials               | Acciaio INOX / Stainless steel<br>1.4305 / AISI 303        |
| Custodia<br>Case materials              | Plastica<br>Plastic                                        |
| Cuscinetti<br>Bearings                  | 2 Cuscinetti a sfera<br>2 ball bearings                    |
| Durata cuscinetti<br>Bearings life      | 10 <sup>9</sup> Rivoluzioni<br>10 <sup>9</sup> Revolutions |
| Temp. Operativa<br>Work temperature     | Da -20° C a +70° C                                         |
| Temp. Stoccaggio<br>Store temperature   | Da -25° C a +70° C                                         |
| Peso / Weight                           | 300 g                                                      |

# eCO 58 P I

## Encoder Incrementale / Incremental Encoder

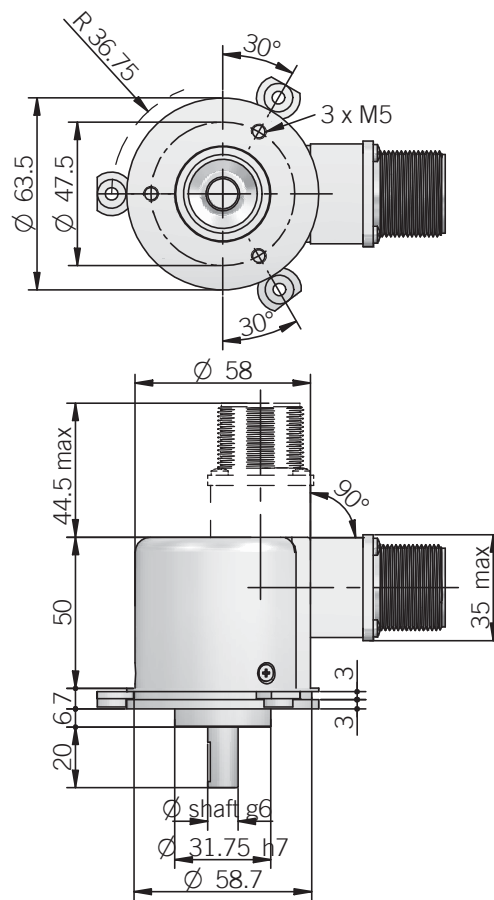
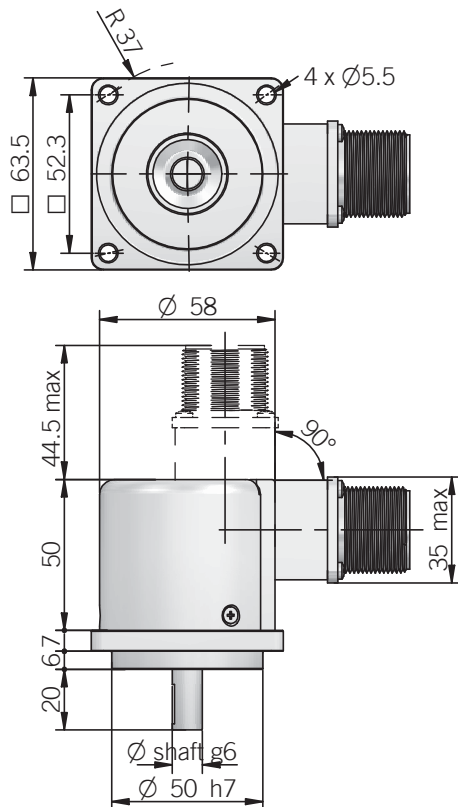
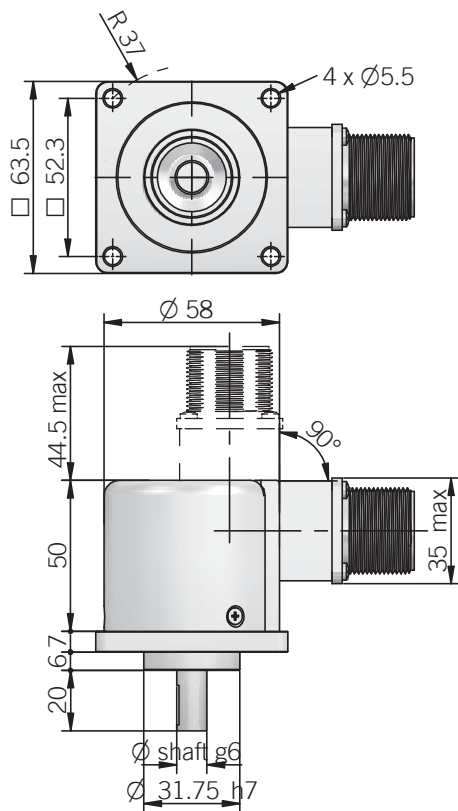
Disegni tecnici / Technical drawing



# eCO 58 P I

## Encoder Incrementale / Incremental Encoder

Disegni tecnici / Technical drawing



# eCO 58 P I

## Encoder Incrementale / Incremental Encoder

### Codice di ordinazione / Ordering code

|            |           |          |          |          |            |              |          |               |          |          |          |          |             |
|------------|-----------|----------|----------|----------|------------|--------------|----------|---------------|----------|----------|----------|----------|-------------|
| <b>eCO</b> | <b>58</b> | <b>P</b> | <b>I</b> | <b>8</b> | <b>30V</b> | <b>XXXXX</b> | <b>S</b> | <b>P8 015</b> | <b>L</b> | <b>6</b> | <b>A</b> | <b>-</b> | <b>0000</b> |
|------------|-----------|----------|----------|----------|------------|--------------|----------|---------------|----------|----------|----------|----------|-------------|

Special Product code

**A** - Sincro flange diam. 31,75mm  
**B** - Sincro Flange diam. 50mm  
**C** - Fixing flange diam. 36mm  
**D** - Centering square flange 31,75mm  
**E** - Centering square flange 50mm  
**T** - Coupling flange diam. 40mm

**6** - shaft diameter 6mm  
**8** - shaft diameter 8mm  
**10** - shaft diameter 10mm

**L** - Radial output

**P8 015** - Standard 8 PIN cable L 1,5 mt  
**M10** - Military connector M10

**S** - Standard enclosure rating IP54  
**P** - Enclosure rating IP66

**XXXXX** - Resolution: Pulse per Revolution

**30V** - Universal power supply: 5..30 V dc

**8** - Universal interface: Push Pull, PNP, Line Driver  
**0** - Special output electronic interface

**I** - Incremental Encoder

**P** - Plastic House