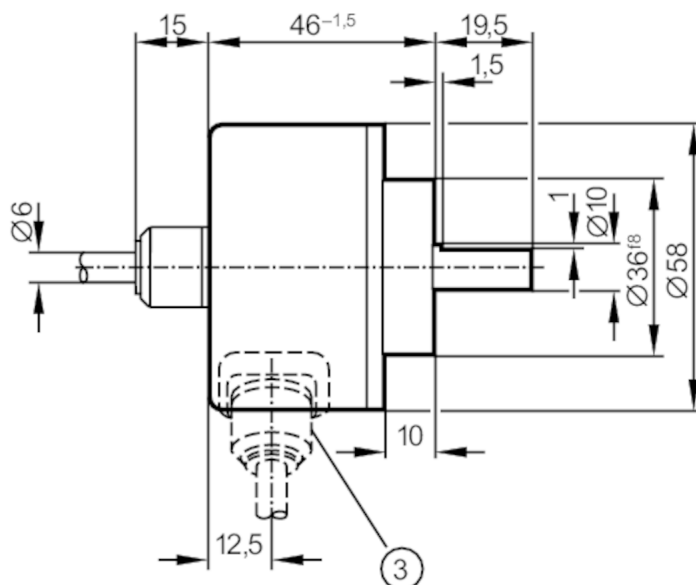


Technical drawing of a mechanical part showing a top view and a side view. The top view is a circle with a diameter of 48, divided into three equal sectors by dashed lines. A central hole is indicated by a cross. A dimension line shows a radius of 17. A side view shows a 30-degree angle. Callouts 1 and 2 point to specific features.



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|                    |                |
|--------------------|----------------|
| Opløsning          | 2500 opløsning |
| Aksel design       | massiv aksel   |
| Akseldiameter [mm] | 10             |

|                         |      |      |
|-------------------------|------|------|
| Driftspændingstolerance | [%]  | 10   |
| Driftspænding           | [V]  | 5 DC |
| Strømforbrug            | [mA] | 150  |

|                                |       |     |
|--------------------------------|-------|-----|
| Elektrisk design               |       | TTL |
| Max strømbelastning pr. udgang | [mA]  | 20  |
| Koblingsfrekvens               | [kHz] | 300 |
| Faseforskydning A og B         | [°]   | 90  |

|           |                |
|-----------|----------------|
| Opløsning | 2500 opløsning |
|-----------|----------------|

|                      |      |           |
|----------------------|------|-----------|
| Omgivelsestemperatur | [°C] | -20...70  |
| Lagringstemperatur   | [°C] | -30...100 |
| Kapslingsklasse      |      | IP 66     |

|               |              |
|---------------|--------------|
| Chokbestandig | 100 g (6 ms) |
|---------------|--------------|



## Inkremental enkodere med massiv aksel

RV-2500-I05/SAE

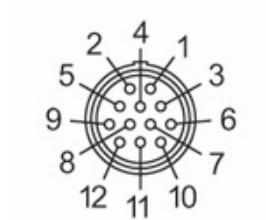
|                     |                     |
|---------------------|---------------------|
| Vibrationsbestandig | 10 g (55...2000 Hz) |
|---------------------|---------------------|

| Mekaniske data                                   |               |
|--------------------------------------------------|---------------|
| Dimensioner [mm]                                 | Ø 58 / L = 46 |
| Materiale                                        | aluminium     |
| Max. omdrejning, mekanisk [U/min]                | 12000         |
| Max. startmoment [Nm]                            | 1             |
| Reference temperatur moment [°C]                 | 20            |
| Aksel design                                     | massiv aksel  |
| Akseldiameter [mm]                               | 10            |
| Aksel materiale                                  | stål (1.4104) |
| Max. akselbelastning aksial (ved aksel ende) [N] | 10            |
| Max. akselbelastning radial (ved aksel ende) [N] | 20            |

### Elektrisk tilslutning

Kabel: 10 m, PUR; aksial

Stik: 1 x Bajonett (ifm 1000.2)



|        |                    |
|--------|--------------------|
| ben 1  | A                  |
| ben 2  | A inverteret       |
| ben 3  | B                  |
| ben 4  | B inverteret       |
| ben 5  | +5V Sensor         |
| ben 6  | 0-Index            |
| ben 7  | 0-Index inverteret |
| ben 9  | +5V (Up)           |
| ben 10 | 0V Sensor          |
| ben 11 | Kapsling           |
| ben 12 | 0V (Un)            |

### diagrammer og grafer

|               |                                                         |
|---------------|---------------------------------------------------------|
| Impulsdiagram | <p>retning på rotation med uret (ses på akselenden)</p> |
|---------------|---------------------------------------------------------|