

## Heavy Duty Rotary Incremental Encoders ( Hollow Shaft )

We trade and supply a wide array of Rotary Incremental Encoders ( Hollow Shaft ) for our highly respected clients. It is used in different industries to meet the variegated requirements of clients. Premium grade material and machinery is used in its making in sync with the set industrial norms and standards. Rotary Incremental Encoders ( Hollow Shaft ) stands high on performance, quality, durability, reliability and effectiveness as tested by our team of experts. Clients can avail it from us at highly reasonable prices in the market among our competitors.

### Features

- Protected electronics during shaft mounting
- Terminal box, connector M23 or cable output
- Compact, robust housing
- Steel shaft with high shaft loads up to 300 N
- Operating temperature -40...+100 °C
- (version with cable -40...+80 °C)
- Isolated blind hollow shaft

### Optional

- Hybrid bearing
- Function control with EMS

| <u>Technical data - mechanical design</u> |                                        |
|-------------------------------------------|----------------------------------------|
| <u>Dimensions (flange)</u>                | <u>99 mm</u>                           |
| <u>Shaft type</u>                         | <u>12...16 mm (blind hollow shaft)</u> |
|                                           | <u>17 mm (cone shaft 1:10)</u>         |
| <u>Shaft loading</u>                      | <u>200 N axial</u>                     |
|                                           | <u>300 N radial</u>                    |
| <u>Motor shaft tolerance</u>              | <u>0.2 mm radial</u>                   |
| <u>Protection</u>                         | <u>DIN EN 60529 IP 66</u>              |

|                                |                                         |
|--------------------------------|-----------------------------------------|
| <u>Operating speed</u>         | <u>10000 rpm (mechanical)</u>           |
| <u>Operating torque</u>        | <u>6 Ncm</u>                            |
| <u>Rotor moment of inertia</u> | <u>160 gcm<sup>2</sup></u>              |
| <u>Materials</u>               | <u>Housing: aluminium</u>               |
|                                | <u>Shaft: stainless steel</u>           |
| <u>Operating temperature</u>   | <u>-40...+100 °C</u>                    |
|                                | <u>-40...+80°C (cable version)</u>      |
| <u>Resistance</u>              | <u>IEC 60068-2-6</u>                    |
|                                | <u>Vibration 10 g, 10-2000 Hz</u>       |
|                                | <u>IEC 60068-2-27</u>                   |
|                                | <u>Shock 100 g, 6 ms</u>                |
| <u>Corrosion protection</u>    | <u>IEC 60068-2-52</u>                   |
|                                | <u>Salt mist</u>                        |
|                                | <u>Complies to ISO 12944-5:1998</u>     |
|                                | <u>Protective paint systems (C4)</u>    |
| <u>Protection</u>              | <u>II 3 G Ex nA IIC T4 Gc (gas)</u>     |
|                                | <u>II 3 D Ex to tc T135°C Dc (dust)</u> |
| <u>Connection</u>              | <u>Terminal box</u>                     |
|                                | <u>Connector M23, 12-pin</u>            |
|                                | <u>Cable 1 m</u>                        |
| <u>Weight approx.</u>          | <u>1.1 kg</u>                           |