

RCI90S/T HS

Hollow Shaft - Incremental Optical Encoder



PRECILEC optical incremental encoders are designed for accurately measuring speed and position of rotating shafts in industrial environment: machine tools, motor drives ... They use a differential optical measurement and a ratio-metric processing of the signal for minimizing the temperature and photodiode aging effects. Their universal complementary push-pull output interface and their large supply voltage range make them very easy to connect to most of electronic control units with high noise immunity.



Main features

- Shaft type: Hollow shaft \varnothing 30 mm, and others diameters available (12, 20, 25 mm) with reduction ring in composite for thermal and electric insulation
- Housing diameter: 90 mm
- Fixation: 2 spring plates
- Body - Cover: Aluminium - Zinc alloy
- Shaft: Stainless steel
- Pulses per turn: Up to 10.000 ppr
- Output signals: A & B with gated Z
- Connections: Radial cable or M23 (CW and CCW)
- Operating temperature range: -20°C / $+80^{\circ}\text{C}$ (standard resolutions)

Outline drawings



