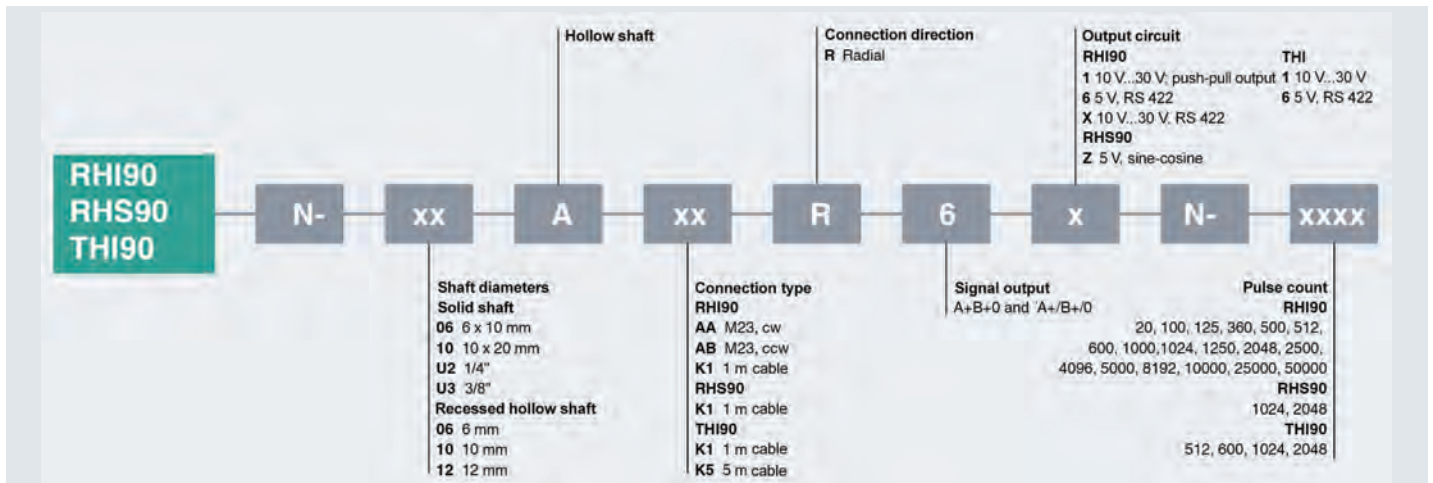


RHI90, RHS90, and THI90 Series



Standard Technical Data	
Scanning method	Optical
Output type	Push-pull, RS422, or sine-cosine
Pulse count	Max. 50000 pulses
Connection type	Plug, cable
Housing Design	Ø 90 mm
Shaft type	Hollow shaft
Rotational speed	Max. 3500 rpm
Degree of protection	IP54/IP65
Operating temperature	-20 °C ... 70 °C
UL	■

For detailed data and description, see the datasheet. Further products can be found online at www.pepperl-fuchs.com.



Highlights

- High process reliability even in environments subject to EMC interference through protection against wave currents
- Use in highly dynamic applications with backlash-free connection of the shaft
- Accommodation of large shaft diameters
- Compact housing design for use in confined spaces
- Fast and easy installation with threaded pins (60° set screws)

Brief Description

Special Housing Design for Secure Process Flows

The encoder can accommodate both very small and large drive shafts from 16 mm to 45 mm. It impresses with its comparatively small outer diameter, which permits installation in confined spaces. A hollow shaft version with a flat surface on both sides ensures a positive and backlash-free connection, and it also prevents slippage and twisting of the shafts. This makes the rotary encoder ideally suited for dynamic applications. In addition, the high immunity to interference prevents the failure of the rotary encoder even in environments with high electromagnetic loads.

Accessories	
9416	Single-ended female cordset
9416L	Single-ended female cordset