

# Incremental Optical Encoder with hollow through shaft RCI 58A - HS



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## Generalities :

PRECILEC optical incremental encoders are designed with the same reliability than the RADIO-ENERGIE tacho generator. They measure with the highest accuracy the angular speed and position of rotating shafts in industrial environment.

Usually the applications for encoders are : machine tools, specific machineries, robots, motor drives, lifts, handling, cranes, speed controllers, packing machines and various industries such as textile, tyre, cable, plastic, automatic sorting, cement, windmill.

## Main Characteristics :

PRECILEC encoders use a differential optical and ratio metric principle to minimize 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.

Shaft type : 12, 14, 15mm and 1/2inch, stainless steel hollow through shaft.

Housing diameter : 58mm.

Pulses per turn : from 1 to 5400.

Fixation spring plate – Termination Radial cable, M23 and MS310 receptacle.

Operating temperature range (encoder body) : - 25° C / + 85° C.

## Electrical Characteristics :

Supply voltage : 4,5 to 30V DC with reverse polarity protection.

Output signals Universal complementary push pull, short circuit protected (7272) RS422 compatible with 5V supply voltage.

## Mechanical Characteristics :

Max speed : 6000rpm.

Protection : IP64 at shaft end, IP 65 at housing (IEC60529).