PRECILEC

ERMEC
Distribución de componentes eléctricos y electrónicos

TYPE RCI 444 R - FS

Incremental Optical Encoder with RE.0 444 tacho flange
RCI 444 R- FS

RCI 444 R - FS

Généralités :

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.
This encoder has a RE.0444 flange which perfectly fit to any tachometer generator from RADIO-ENERGIE range. This mounting type can be more suitable than a tachometer generator for space saving purpose. Furthermore encoder technology avoid maintenance necessities.
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 : 7, 11mm, stainless steel shaft.
Housing diameter : 115 mm.
Pulses per turn : from 1 to 5400.
Fixation by RE.0444 tacho flange– Termination Radial cable, M23 and Mil 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 : 10000rpm.
Protection : IP64 at shaft end, IP 65 at housing (IEC60529).

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