

Application

Wind power energy generating plants.

The Challenge

The concern over finding renewable sources of energy has seen a world-wide surge of interest in wind-powered generating plants. Components must function under heavy loads and survive severe weather conditions, including potentially damaging lightening strikes.

The Solution

Baumer Through-hole Hollow-shaft Encoders

Product Features

- Special seals in housings offer increased protection from weather and contaminants
- A patented lightning discharge path between the shaft and housing guards against electrostatic charges and lightning strikes
- Short-circuit protected HTL line drivers with temperature monitoring of transistors
- Special filter circuit for supply voltage
- Spacious EMC proof reversible terminal box cover
- EMC protected and shockproof mounted electronics
- Sensing of incremental disk by opto-ASIC
- Flexible stator coupling
- Hybrid bearings (optional) are insulated from shaft currents and offer long life

Benefits

- Rugged construction with solid aluminum housing for high vibration and shock resistance in accordance with IEC 60068-2-6 and IEC 60068-2-27.
- High-threshold logic (HTL) signals with short-circuit proof output power transistors up to 300 mA or line driver IC or TTL signals meeting RS-422.
- EMC-protected conforming to CE regulations.

Similar Applications

- Wind velocity measurement
- Blade pitch
- Azimuth



For application information, contact:

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