

Solutions for Power and Data Transmission in Wind Turbines



Solutions for Power and Data Transmission

in Wind Turbines

... from Conductix-Wampfler, the global leader in high-quality power and data transmission solutions for all industrial mobile consumers, especially for harsh and demanding environments.







- Modular design
 - slipring tailored to customer requirements
- Contacts
 - Carbon brush or gold wire
 - flexibility of specification to meet all potential requirements
- Main and auxiliary power rings for transfer up to 100A
- Data rings or optional fibre optic rotating joints for high-speed data transmission
 - compatible with all common modes, such as CANbus, Profibus, Asi-Bus, Ethernet
- Data Rings v-grooved
 - signal loss minimised through redundancy
- Double contacts for high signal contact integrity and low noise
- Unique gold wire alloy composition gives long service intervals, up to 2 years, and low cost of owndership
- Long service life
 - up to 100 million revolutions
- Industry standard connections for ease of installation/replacement
- Choice of strong alloy or polymer housing gives ability to select best combination of weight/strength/ cost/protection
- Optional encoder mounting





Sliprings for Yaw Power Transmission

- Sliprings tailored to customer requirements
- For LV and MV transmission to meet all potential requirements
- Combination units for power and data



Towerbuss for Down-Tower Power Transmission

- Easily pre-installed in the tower sections whilst on the ground or in the factory
- Conductor lengths can be designed to match each tower section length
- Modular design requires less installation labour than copper cables
 - Installed costs (labour and materials) are 10 - 20% less than copper cable systems
- Rigid aluminium extrusions flex to conform to dynamic, thermal and seismic movement of tower
- Modular design enables sections to be easily replaced if damage occurs
- Electrical specifications meet or exceed copper cable









Conductix-Wampfler GmbH | 2012 | subject to technical modifications without prior notice

www.conductix.com

Conductix-Wampfler has just one critical mission: To provide you with energy and data transmission systems that will keep your operations up and running 24/7/365.

To see how we can help you, contact us at info.de@conductix.com www.conductix.com

