

CAN 120 REPEATERS



GENERAL

The CAN 120 (Inductive Power and Data Transmission) is a highly integrated module for non-contact transmission of 120 Watts of electric energy to supply sensors, controllers or actuators on rotating shafts, axles, palettes or attachments. The CAN-Bus information is also transmitted bidirectionally via the air gap between the stationary and remote unit. In doing so the CAN120 operates as a CAN-Repeater independent of the rotational speed. Power and communications are reliable under demanding environmental conditions (dust, oil, water). The standard version consists of two cylindrical housings whereas the front faces are located opposite each other. Since it works without contacting one another mechanically, the CAN 120 does not require any maintenance or service.



APPLICATIONS

- Construction vehicles
- Drilling rigs
- Robotics
- Battery Charging

PRINCIPLE

The CAN120 has all its electronics components integrated into the rugged housings, allowing for a very compact design. The power supply, of battery, to the stationary side is either 12 or 24V. The corresponding voltage, is available at the remote side, is up to 120W. The efficiency of the transmission reaches about 90%. A CAN-Bus (SAE J1939) interface assures flexibility.

FEATURES

- 12/24VDC power supply
- CAN-Bus repeater up to 250kBit/s
- Power transmission up to 120W
- Rugged Aluminum housing, optional plastic or die cast
- Maintenance free due to no
- Easy installation and operation
- Reliable operation under severe ambient conditions
- Axial housing with optional flanges, optional ring-to-ring housing available
- OEM pricing available

