APPLICATION SOLUTIONS: SMART™ CDR®

INCREASE RELIABILITY WITH PREMIUM SHAFT GROUNDING

Protect bearings from stray shaft currents and improve the reliability of VFD-driven equipment with the Smart CDR shaft grounding solution, the next-generation of shaft grounding technology from Inpro/Seal®.

The Smart CDR protects bearings from shaft currents by providing a low impedance path to ground, diverting stray currents safely away from the bearings. Proprietary conductive filaments are coupled with a bearing-bronze sleeve to achieve premium shaft grounding performance and extended equipment life.

The innovative sleeve provides a consistent contact surface for the conductive filaments, making the Smart CDR less susceptible to grounding ineffectiveness caused by shaft conditions, contamination or oxidation. This unique design eliminates the time-consuming and costly maintenance associated with other grounding rings.

When carbon filaments and the shaft are in direct contact, as in most grounding ring designs, conduction inhibiting oxidation forms on the shaft, reducing the grounding ring’s effectiveness over time. The application of silver coatings or other maintenance to the shaft are required at regular intervals to maintain performance. The bronze shaft sleeve of the Smart CDR eliminates this oxidation permanently, requiring no ongoing maintenance.

In addition, the Smart CDR allows for instant verification of shaft grounding performance with the exclusive Inpro/Seal Smart Ground Monitor.

FACTS AT A GLANCE

The Inpro/Seal® Smart™ CDR®:

- Uses proven CDR technology to safely divert harmful shaft currents away from the bearings to ground
- Utilizes a conductive shaft sleeve to maintain performance and eliminate shaft oxidation
- Connects to the Smart Ground Monitor for condition monitoring
- Can be installed with a range of mounting configurations, including clip-on, epoxy, bolt-through, side-mount and flexbracket

The Smart CDR’s shaft sleeve, conductive fibers and Smart terminal provides premium shaft grounding performance.

Conduction inhibiting corrosion on a motor’s shaft.
**SMART™ CDR® REQUEST FOR QUOTE**

**Data Needed For Quote**

**SMART CDR INFO**

**APPLICATION:** Motor- Frame Size __________ HP __________

Other __________

**DRIVE TYPE:** N/A Mains VFD **VOLTAGE:** __________

**EXISTING GROUNDING DEVICE:** __________ None

**SHAFT POSITION:** Horizontal Vertical Up Vertical Down

**BEARING TYPE:** Drive End (DE)- Ball Sleeve Roller Insulated

Opposite Drive End (ODE)- Ball Sleeve Roller Insulated

**PLANNED CDR LOCATION:** ODE DE Both

**MOUNTING:** Clip-On Epoxy Bolt-Through

Side-Mount Flexbracket

**LUBE:** Oil (level) _______ Grease Oil Mist Forced Oil System

**FIRST OBSTRUCTION:** Outward Inward Step On Shaft

**SHAFT SPEED:** __________

**TEMPERATURE AT RING:** ºC | ºF Min _______ Max _______

**ENVIRONMENT:** __________

**RING TYPE:** Solid Split

**CONSTRUCTION MATERIAL:** Bronze Other __________

**TOTAL PIECES OF EQUIPMENT:** __________

**CONTACT FOR QUESTIONS:** __________

**SMART GROUND MONITOR™ INFO**

**IS 24 VDC AVAILABLE?** Y N

**DO YOU REQUIRE A CABLE KIT?** Y N

Cable Kit includes:

- 30.5 m (100 ft) 2 Core Wire (connect to Smart CDR)
- 30.5 m (100 ft) 4 Core Wire (connect power/communication)
- IP67 Wire Connector and Assembly

**BRIEFLY DESCRIBE THE APPLICATION**

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

Fax RFQ sheet to 309-787-6114 or email info@inpro-seal.com

**INPRO/SEAL®**

A Waukesha Bearings Business

**EXPERT ENGINEERING. PROVEN RESULTS:**

d12.015.1-SE15 | f15.016.1-SE15