



Patented Technology

Installation Guide:



Cleaned shaft & end bracket Solid Ring Installed Split Ring Installed

1. Shaft must be clean & free of any coatings, paint, or other nonconductive material. Lightly sand shaft to remove any oxide coating.
2. Motor end bracket must be clean & free of any coatings, paint, or other nonconductive material where AEGIS® SGR will be mounted using conductive epoxy. This is the discharge path to ground therefore metal to metal contact is essential.
3. AEGIS® SGR should not operate over a keyway. If necessary, adjust or change spacer and screw lengths or fill keyway with a fast-curing epoxy putty in the area of contact.
4. Mix AEGIS® Conductive Epoxy EP2400 according to package directions. Apply a layer of epoxy to the back side of the AEGIS® SGR. Use protective gloves during application.

AEGIS® Bearing Protection Ring Kit for NEMA & IEC Motors

5. SOLID RING: Install AEGIS® SGR so that the aluminum ring is concentric around the shaft. Conductive MicroFibers™ must maintain uniform contact with conductive metal surface of the shaft. Hold ring in place until epoxy is firmly holding the ring. For quickest curing time, use a heat gun to heat epoxy to 150-250F for 10 minutes then allow to cool..

SPLIT RING: Remove the tape and spacer from one edge of the SGR. Install over shaft. Retape the ring together, ensure spacers are in position and push SGR back to the end bracket. Install AEGIS® SGR so that the aluminum ring is concentric around the shaft. Conductive MicroFibers™ must maintain uniform contact with conductive metal surface of the shaft. Hold ring in place until epoxy is firmly holding the ring. For quickest curing time, use a heat gun to heat epoxy to 150-250F for 10 minutes then allow to cool. Once epoxy is cured, remove spacers and tape.



6. After installation, test for conductive path to ground using Ohm meter. One probe on metal frame of AEGIS® SGR and one probe on motor frame. NOTE: Motor grounding must be in accordance with applicable wiring standards. SGR IS NOT A GROUND FAULT PROTECTION DEVICE.



AEGIS® Conductive Epoxy EP2400

- Eliminated the need to drill into the end bracket.
- Cures at room temperature in 4 hours at or above 75° F (24°C)
- For faster curing times, heat the bond to between 150° - 250°F (66° - 121°C) for 10 minutes and allow to cool.
- Use protective gloves.
- SDS available for download at www.est-aegis.com

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WARRANTY: Units are warranted for one year from date of purchase against defective materials and workmanship. Replacement will be made except for defects caused by abnormal use or mishandling. All statements and technical information contained herein, or presented by the manufacturer or his representative are rendered in good faith. User must assume responsibility to determine suitability of the product for intended use. The manufacturer shall not be liable for any injury, loss or damage, direct or consequential arising out of the use, or attempt to use the product.

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