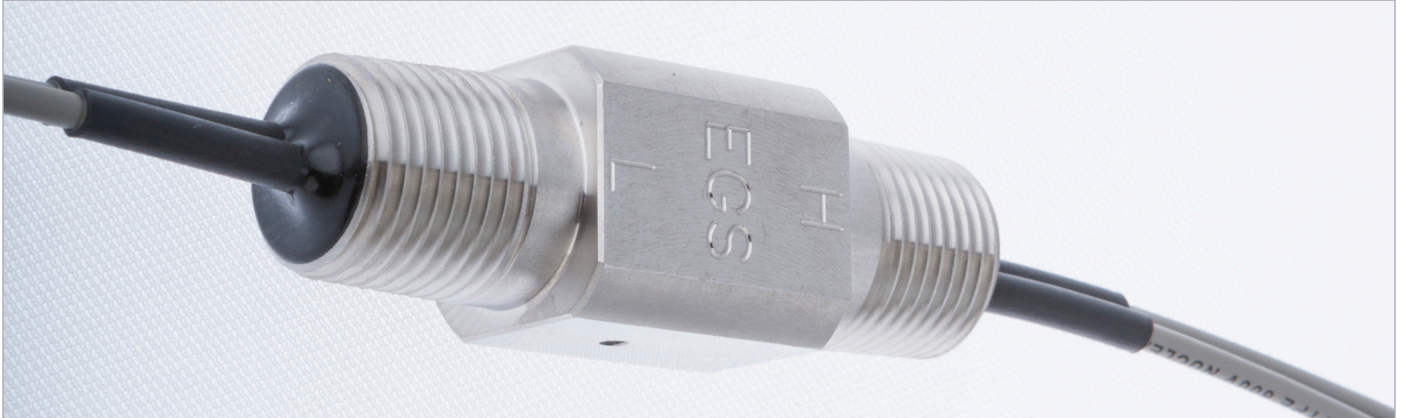


EGS Electrical Conduit Seal Assembly

**CURTISS -
WRIGHT**

Nuclear Power Products and Services



Product Description

The EGS Electrical Conduit Seal (ECSA) is a lightweight, multi-conductor interface that provides a pressure boundary to prevent the passage of moisture/water from the conduit into instrument housings or junction boxes. It is a factory assembled conduit seal consisting of a stainless steel housing with integral feed through wiring and epoxy sealant. The ECSA is a passive device with no moving parts.

Design Features

- Easy Installation
- Multi-conductor capability
- Small and lightweight
- No maintenance
- Easy interface with device and conduit
- Used on a variety of devices such as RTDs, solenoid valves, TCs, transmitters, MOVs, pressure/limit/level/position switches, etc.
- Compatible with ALARA considerations

Qualification Levels

- Qualified life: 40 years at 150°F (65°C)
- Radiation: 2E8 rads gamma
- Seismic: 8.3 g's ZPA
- LOCA: tested to 435°F (223.9°C) and a pressure of 77 psig (632.2 kPa)
- Supplied under a quality assurance program in accordance with ANSI N45.2 and 10CFR50, Appendix B
- CSA registered

Qualification Standards

Successfully qualified by test in accordance with:

- IEEE 572-1985
- IEEE 323-1974/1983
- IEEE 344-1975/1987
- IEEE 382-1980
- 10CFR50.49

CONTACT INFORMATION:

18001 Sheldon Road, Middleburg Hts., OH 44130
electricalconnections@curtisswright.com | +1.216.267.3200

Nuclear
CWNUCLEAR.COM

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