# EPIC® Circular Connectors
EAB & EAC Series (5015)

EPIC® EAB and EAC Series Connectors are available in five housing styles, eight housing sizes, and twenty contact configurations. Common to all arrangements are a rugged nickel plated aluminum alloy body with either threaded coupling (EAC) or bayonet coupling (EAB), thermoplastic rubber contact insert, and silver plated electrical contacts. Cable mounted arrangements are also available with an integral 360 degree EMC shield and cable clamp with environmental seal. The figure below shows the general construction of these connectors. All housings are available with either male pin or female socket contacts.

The connectors are offered with insert configurations from 2 to 37 crimp contacts. Used in combination, they connect one cable with another (cable coupler) or a cable to fixed wiring in a control enclosure or on a machine, robot, instrument, or servo motor.
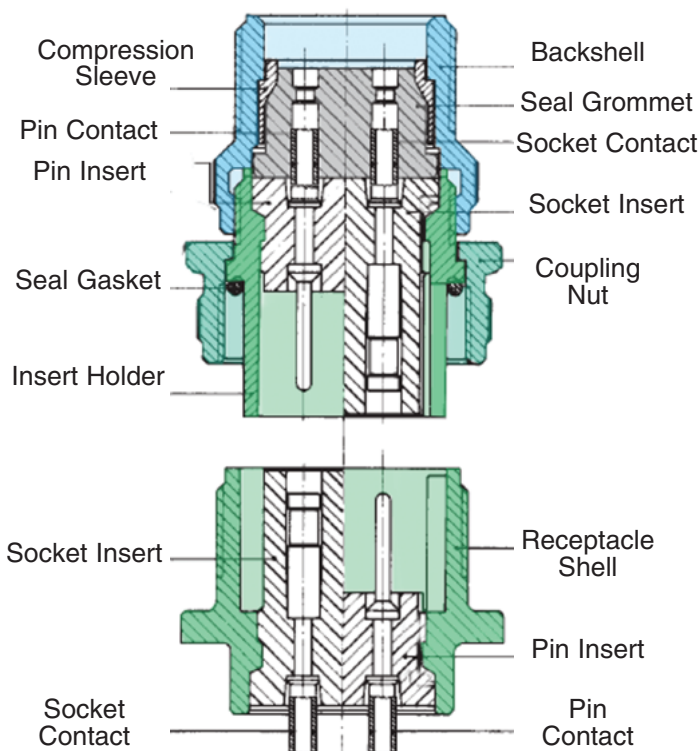
The new connectors incorporate many inherent features offering significant application advantages. These features make it one of the most application friendly connectors available, and insure quick and easy assembly, high reliability, and long, uninterrupted service life in tough industrial environments.
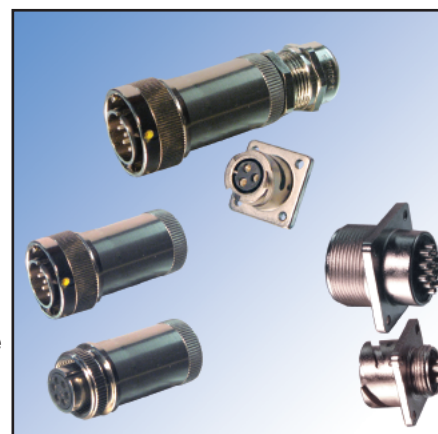
Key features include:
- Rugged Nickel-plated, Aluminum alloy body

- TPE insert material provides high degree of environmental and chemical resistance.

- Available backshell designs provide strain-relief, IP 67 protection, and 360 degree EMC shielding

- All materials used in these connectors are RoHS compliant.

- Standard crimp contacts provide easy field assembly and replacement.

- EAC Series are fully intermateable and interchangeable with connectors produced in accordance with MIL-C-5015.

- EAB Series uses a three-point Bayonet Coupling which provides positive vibration protection for use with motor drives and moving assemblies. They are fully intermateable and interchangeable with connectors produced in accordance with MIL-C-5015 (inserts) and VG95234 (housings).

Straight Plug Connector

Compression Sleeve
Pin Contact
Pin Insert
Seal Gasket
Insert Holder
Backshell
Seal Grommet
Socket Contact
Socket Insert
Coupling Nut

Socket Insert
Socket Contact
Receptacle Shell
Pin Insert
Pin Contact

Box Mount Receptacle