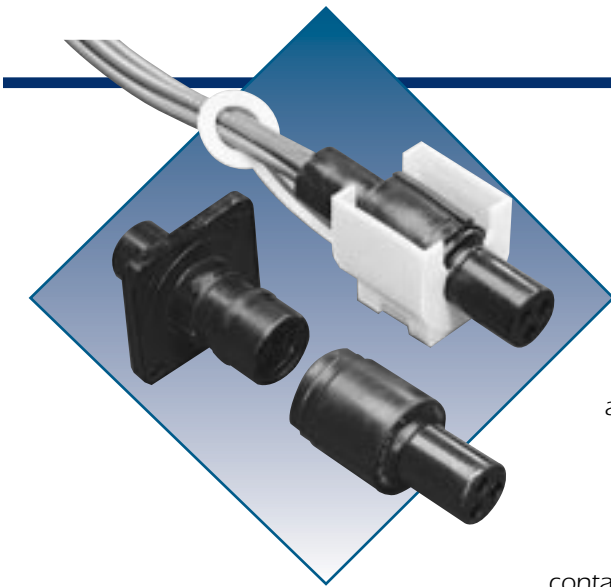


## Low cost, high reliability



A one-piece resilient body and rugged multiple moisture seals make Sure-Seal® connectors a natural for applications where outside contaminants must be excluded. Sure-Seal® is reliable and uncomplicated. Only two parts are required to complete a connector: the connector body, and the contacts. Sure-Seal® was developed to address Department of Transportation safety regulations for connectors used in automobiles. Since then, Sure-Seal® has been successfully used in a broad range of environmental applications where a small, low cost connector is needed. These sealed connectors meet or exceed DOT requirements for shock, vibration, temperature cycling, salt water spray and immersion, petroleum derivatives, industrial gas, all the while insuring low milli-volt drop and low contact resistance. Existing applications include motorcycles, automobiles, boats, and a wide range of demanding off-road vehicle uses. Sure-Seal® will operate in temperatures from -40°F to +221°F under conditions of high humidity, severe vibration, ice and mud. Sealing integrity is maintained with exposure to brake fluid, gasoline, diesel fuel, anti-freeze, ultraviolet, ozone, and steam.

## Applications

Wet, humid, or dirty environments requiring a low cost, small and reliable sealed connector

- Automotive
- Marine
- Appliances
- Low Voltage Lighting Systems
- Trucks and Buses
- Off-road Vehicles
- Industrial Machinery

## Features

### Low Installed Cost

One piece molded bodies and crimp contacts provide a low cost solution. In addition, these connectors can be easily terminated by the user.

### Water Submersible

Not just splash-proof, but truly submersible for short periods of time. Sure-Seal® will seal to the requirements of IP67 and DIN 400 50.

### Resistant to Automotive/Industrial Environments

Sure-Seal® will operate in temperatures from -40°F to +221°F under conditions of high humidity, severe vibration, ice and mud. Sealing integrity is maintained with exposure to brake fluid, gasoline, diesel fuel, anti-freeze, ultraviolet, ozone, and steam.

### Wide Range of Wire Gauges and Current Carrying Capability

Up to 85 amps with wire gauges from size 20 up to size 4 AWG wire.

### One-Piece Connector

Sure-Seal® has a simple one-piece molded body. No other parts (other than contacts)

are required. Bodies mate using multiple resilient seals and will remain mated even under severe vibration and shock.

### Field Serviceable

The use of removable crimp contacts allows Sure-Seal® connections to be changed or modified in the field if necessary.

### Polarized Against Mis-mates

Connector halves use both pin and socket contacts. The plug and receptacle must be properly oriented for the connectors to mate. Raised indexing ribs in conjunction with a stepped plane allow blind mating of the connector halves even in dark or cramped spaces.

### Three Sure-Seal® Versions

Sure-Seal® is available in three versions. The basic Sure-Seal® line is the broadest and ideal for most applications. Mini-Sure-Seal® provides a slightly smaller connector in a limited range of configurations. Power Sure-Seal® is for single circuit, high power applications.

