

APPLICATION NOTE

www.ittcannon.com

Transportation / Industrial Products APM

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The Challenge

How does one design a connector solution small enough to fit through small diameter tubing and yet rugged enough to provide a secure and reliably mated solution? The design needed to be simple in concept for usage in multiple applications, up to 4 ways. This solution required a secondary lock feature, essential in the off-road markets.

The ITT Solution ...

ITT Cannon designed a new connector system incorporating a plug, receptacle, and separate inserts for secure secondary locking of the contacts.

ITT Cannon's solution utilizes the industry proven Mini Sure Seal contact system which has been used in the transportation markets for over 20 years.



Applications

- Tractor cabs
- Vehicle lighting clusters
- Indicator lights
- Construction vehicle cabs
- Spotlight & Worklight systems

Product Features

- Small plug diameter which will fit through an 11mm diameter Hole
- Robust contact design utilizing closed socket entry and standard ITT Cannon contacts
- Excellent contact pin-to-socket alignment
- Positive mating of connector halves
- Secure and reliable secondary lock system
- Crimp capability up to 0.75mm wire

Benefit to the Customer

- Positive audible click provides audible mating confirmation
- Compact design optimized for fitting through narrow tubing and tight locations
- Excellent product reliability due to industry proven, closed entry, MSS contact system
- Contact orientation is not required resulting in quick, easy & positive contact insertion
- Effective secondary lock feature ensures contacts are securely held
- Simple and quick contact insertion & extraction

For application assistance, please contact:

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