

MIL-E-QUAL® FIRST MATE LAST BREAK CONTACT

NEW PRODUCT BULLETIN C707

FEATURES & BENEFITS

- First mate last break contact protects the electrical components around the connection
- Two contact sizes available:
 #12 size and #16 size standard
- Sturdy construction is IP-67 rated when overmolded
- Black thermoplastic with UV inhibitor for rugged outdoor applications

APPLICATIONS

- · Lighting fixtures
- Power transmission for alternative energy





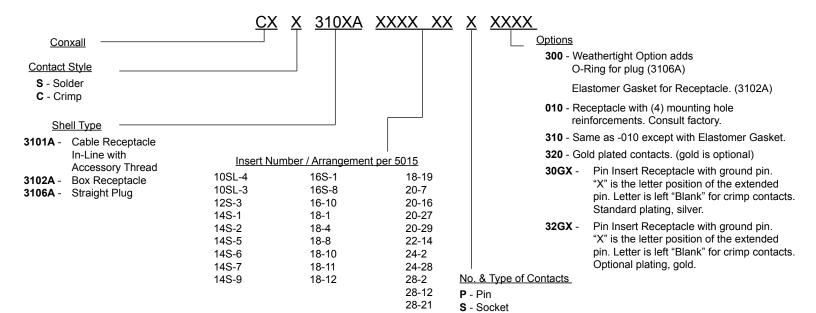
CONXALL®

A SWITCHCRAFT COMPANY



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NEW PRODUCT BULLETIN C707



SPECIFICATIONS

PRODUCT SPECIFICATIONS

Manufacturers ID MII-F-OUAI®

Field Installable Connector & Description:

Custom Cable Assemblies

Rating: 3.4 thru 23.0A, 600V DC Contact Sizes: #12 and #16 AWG

Conductor Sizes: #12AWG, #14AWG, #16AWG

#18AWG or #20AWG

Configuration: Contacts per Mil-C-5015

Certification: UL File E150822

ELECTRICAL SPECIFICATIONS

600V-AC for Shell Types 3101A and 3102A 500V-AC for Shell Type 3106A up to 28 positions

277V-AC for Shell Type 3106A from 29 or greater positions

ENVIRONMENTAL SPECIFICATIONS

 $-40 \,^{\circ}\text{C}$ to $+75 \,^{\circ}\text{C}(-40 \,^{\circ}\text{F}$ to $+167 \,^{\circ}\text{F})$ Operating Temperature: Corrosion: 48hr salt spray contacts (mated) Durability: 300 mate/unmate cycles minimum Weathertight: Consult factory with specific application

FACTORY MOLDED CABLE ASSEMBLIES

Watertight: NEMA 6P, 13: IEC IP67

NOTE

Gasket, O-Ring & Grommet materials are suitable for -40 °C to +75 °C(-40°F to +167°F).

Consult factory for higher temperature requirements.

MATERIAL SPECIFICATIONS

Cable Pin/Socket:

Mechanical Backshell: Thermoplastic, UL Recognized, Black with UV Inhibitor

(Threaded)

Strap: Thermoplastic, UL Recognized, Black with UV Inhibitor

Stainless Steel Screws: Grommet: Elastomer, Black

Coupling Ring: Thermoplastic, UL Recognized, Black with UV Inhibitor

Contacts: Copper Alloy, Standard Silver Plated,

Gold Plated Optional

Connector Body: Thermoplastic, UL Recognized, Black with UV Inhibitor

O-Ring: Elastomer

Optional

Connector Cap: Thermoplastic, UL Recognized, Black with UV Inhibitor

Gold Contacts: Copper Alloy, Gold over Nickel

Alternate Key Positions Available

Box Receptacle

Contacts: Copper Alloy, Standard Silver Plated,

Gold Plated Optional

Thermoplastic, UL Recognized, Black with UV Inhibitor Receptacle Body:

Optional

Alternate Key

Positions Available

Receptacle Cap: Thermoplastic, UL Recognized, Black with UV Inhibitor

Gasket: Elastomer, Black

Gold Contacts: Copper Alloy, Gold over Nickel

Extended Bosses

