



## 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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# MIL-E-QUAL® FIRST MATE LAST BREAK CONTACT

## NEW PRODUCT BULLETIN C707



## SPECIFICATIONS

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Manufacturers ID	MIL-E-QUAL®
Description:	Field Installable Connector & 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

Operating Temperature:	-40 °C to +75 °C (-40°F to +167°F)
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
Screws:	Stainless Steel
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
Receptacle Body:	Thermoplastic, UL Recognized, Black with UV Inhibitor
Optional	
Receptacle Cap:	Thermoplastic, UL Recognized, Black with UV Inhibitor
Gasket:	Elastomer, Black
Gold Contacts:	Copper Alloy, Gold over Nickel

Extended Bosses  
Alternate Key  
Positions Available



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