

## MIL-E-QUAL® First Mate Last Break Contact



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(Equivalent to Mil-C-5015)

### Features & Benefits

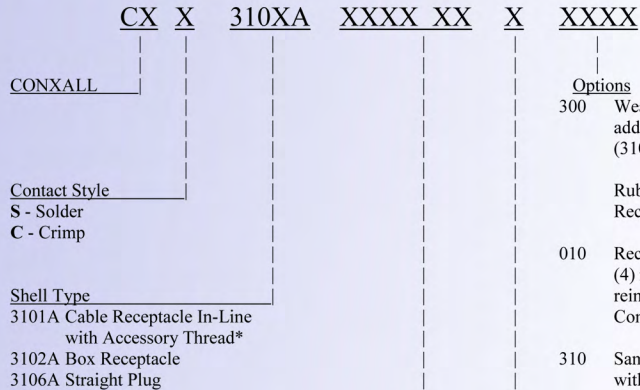
- First Mate last Break Contact protects the electrical components around the connection
- Two contact sizes available: #12 size and #16 size standard
- Sturdy construction is IP-67 rated
- Black nylon with UV inhibitor for rugged outdoor applications

### Applications

- Lighting fixtures
- Power transmission for alternative energy
- Instrumentation

New Product Bulletin C707

## MIL-E-QUAL® First Mate Last Break Contact



**Insert Number / Arrangement per 5015**

10SL-4	16S-1	18-19
10SL-3	16S-8	20-7
12S-3	16-10	20-16
14S-1	18-1	20-27
14S-2	18-4	20-29
14S-5	18-8	22-14
14S-6	18-10	24-2
14S-7	18-11	24-28
14S-9	18-12	28-2
		28-12
		28-21

Contacts  
P - Pin  
S - Socket

**\*Accessory Thread Patterns.**

14S-5
14S-6

Notes: Complete P/N contains no spaces or dashes.  
Silver plating is standard. Gold plating is optional, consult factory.

**30GX** Pin Insert Receptacle with ground pin. "X" is the letter position of the extended pin. Letter is left "Blank" for crimp contacts. Standard Plating, Silver

**32GX** Pin Insert Receptacle with ground pin. "X" is the letter position of the extended pin. Letter is left "Blank" for crimp contacts. Optional Plating, Gold

### Specifications:

#### Product Specifications

Manufacturers ID	MIL-E-QUAL®
Description	Field Installable Connector & Custom Cable Assemblies
Rating	3.4 thru 23.0A, 600V DC
Conductor Size	#12 and #16 AWG
Configuration	Contacts per Mil -C-5015
Certification	Agency Approval Pending

#### Electrical Specifications

600V- DC for all Shell Types
600V- AC for Shell Types 3101A and 3102A
500V- AC for Shell Type 3102A except for arrangement 28-21
277V- AC for Shell Type 3102A and arrangement 28-21

#### Environmental Specifications

Temperature Rating	-40°C to +65°C (-40°F to +149°F)
Corrosion	48 Hr salt spray contacts
Durability	300 mate/unmate cycles minimum
Weatheright	Consult factory with specific application

#### Factory Molded Cable Assemblies

Watertight	NEMA 6P, 13; IEC IP67
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**NOTE:**

Gasket, O-Ring, & Grommet materials are suitable for -40°C to +65°C (-40°F to +149°F). Consult factory for higher temperature requirements.

#### Material Specifications

##### Cable Pin / Socket

Mechanical Backshell (Threaded)	Nylon, UL Recognized, Black with UV Inhibitor
Strap	Nylon, UL Recognized, Black with UV Inhibitor
Screws	Stainless Steel
Grommet	Santoprene Rubber, Black
Coupling Ring	Nylon, UL Recognized, Black with UV Inhibitor
Contacts	Brass, Standard Silver Plated, Gold Plated Optional
Connector Body	Nylon, UL Recognized, Black with UV Inhibitor
O-Ring	O-Ring

##### Optional

Connector Cap	Nylon, UL Recognized, Black with UV Inhibitor
Gold Contacts	Brass, Gold over Nickel

##### Alternate Key Positions Available

##### Box Receptacle

Contacts	Brass, Standard Silver Plated, Gold Plated Optional
Receptacle Body	Nylon, UL Recognized, Black with UV Inhibitor

##### Optional

Receptacle Cap	Nylon, UL Recognized, Black with UV Inhibitor
Gasket	Neoprene Rubber, Black
Gold Contacts	Brass, Gold over Nickel

##### Extended Bosses

Alternate Key Positions Available