

DSN37c



# DSN37c Multipin – 7.5A Plugs & Receptacles

## Ratings

- **Voltage**  
Up to 480 VAC Max/130 VDC
  - **Amperage Rating**  
2A Current Interrupting  
7.5A Non-Current Interrupting  
! DSN37c is capable of handling  
4-20mA low current applications
  - **Environmental Ratings**  
IP66+IP67
  - **Temperature Range**  
Min -40°F/Max 140°F  
See pg 220 for temps below -15°F.
  - **Wiring Capacity**  
Min 18 AWG Max 14 AWG
  - **Listings**  
CE\*
- \* Contact Customer Service

## Receptacle (female)



Don't forget to  
add installation  
accessories to  
your order



Voltage	Polarity	Part # Poly
50V	37P+	63-C4003
480V	36P+G+	63-C4003

+ 37P for devices up to 50V or 36P+G for devices up to 480V. Multiple voltage labels are provided for application in the field.

## Inlet (male)



Voltage	Polarity	Part # Poly
50V	37P+	63-C8003
480V	36P+G+	63-C8003

For DSN37c dimensions, see pgs 33-34

## New Feature

- **Crimped Contacts**  
DSN37c devices now feature  
contacts that can be crimped or  
soldered. Each device is supplied  
with 3 bags of 13 contacts so that  
the product can be set up to  
suit application needs.

## Simple Assembly and Disassembly



### Assembly

To insert contacts when they have been wired is simple.  
Push wired contact into rear of insulator until it stops to  
complete the installation.



### Disassembly

To remove, use the tool provided.  
Push tool from front onto contact until tool stops.  
Contact is then released at rear of insulator.

## Main Options



**Padlock Pawl**



**Mushroom  
Pawl**



**Self-Ejecting  
Devices\***

\* Requires straight insertion  
receptacle or inlet and  
self-ejecting plug or  
connector

## Receptacle Options

## Part #

Straight Insertion	Recept # - 352
Self-Ejecting Connector Release	Recept # - 354
Mushroom Pawl	Recept # - 375
Padlock Pawl	Recept # - 843
Padlockable Mushroom Pawl	Recept # - 375- 843
Closed Lid Configuration	Recept # - NC



See pgs 197-206 for detailed information on these options

## Inlet Options

## Part #

Self-Ejecting Plug Release	Inlet # - 338
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### DSN37c Order Example:

To order a device with a Mushroom Pawl add **-375** to the  
receptacle part number

DSN37c 32P = 63-C4003-**375**

# Installation Accessories

## Handles



Makes connector closures easier

## NPT Guidelines

NPT	Poly Handle	Cable Range	Poly Handle w/Clamp & Bushing	Nylon Handle	Poly Handle w/built in Draw Grips
1/2"	61-6A013-12	.32 - 1.25	-	-	61-6A473
3/4"	61-6A013-34	.39 - 1.18	-	61-6A013	-
1"	61-6A013-1	.750 - .875	3PM514	-	-
1 1/4"	61-6A013-114	.875 - 1.000	3PM516	-	-
		1.000 - 1.125	3PM518	-	-
		1.125 - 1.250	3PM520	-	-
		1.250 - 1.375	3PM522	-	-

Cable Range	NPT
.312 - .625	1/2"
.438 - .812	3/4"
.660 - 1.000	1"
.875 - 1.375	1 1/4"

NPT sizes are determined by the cable diameter and third party cord grip.

- Notes:**
- Finger draw plates are recommended for easier connector closure on cord to cord assemblies.
  - For available cord grips see pgs 193-194.

## Angles



Nylon 30° Angle	Metal 30° Angle	Metal 70° Angle	Metal Angle FS/FD Box 30°	Metal Straight Adapter
61-6A027	MA3	89-3A027	MAFS3*	MS3

\* MAFS3 base measures approximately 4.2" x 2.7". Due to the variation in sizes of FS boxes, please verify that your FS box matches our dimensions, if not call Customer Service for other solutions.

## Junction Boxes



32.5 in<sup>3</sup>

16.4 in<sup>3</sup>

188.6 in<sup>3</sup>

NPT	Metal Box	Metal Box with Nylon Angle	Poly* Conduit Entry	Poly 70°** Wall Box
1/2"	MB312	61-6A053-080-12	61-6A023-12	51-CA058
3/4"	MB334	61-6A053-080-34	61-6A023-34	51-CA058
1"	MB31	61-6A053-080-1	61-6A023-1	51-CA058
1 1/4"	MB3114	61-6A053-080-114	-	51-CA058

\* For poly devices only

\*\* 70° boxes are not drilled. Contact customer service if factory drilling is required.

\* Interior volume with receptacle installed.

## Miscellaneous Accessories



\* Set of Two (2)



For Male Devices Only



For Male Devices Only



Finger Drawplates	Protective Cap	Padlockable Plug Cap	Cord Grip with Mesh	Multi-Contact Removal Tool	Crimper Tool (Greenlee or equal)	European Crimping Tool
61-6A346	61-6A426	61-6A826	see pgs 193-194	9-LD12-37	4CN30	61-CA500

\* Recommended for cord to cord assembly applications, for easier connector closure

## Order Example

A typical order should include an inlet part number, a receptacle part number **AND** the matching handles, angles or other required accessories.



Male Inlet with Handle (Plug)  
63-C8003 + 61-6A013



Female Receptacle with Angle Adapter  
63-C4003 + 61-6A027

DS37c



# DS37c Multipin – 7.5A

## Stainless Steel Plugs & Receptacles

### Ratings

- **Voltage**  
Up to 480 VAC Max\*/130 VDC
- **Amperage Rating**  
2A Current Interrupting  
7.5A Non-Current Interrupting  
! DS37c is capable of 4 - 20mA low current applications.
- **Temperature Range**  
Min -40°F/Max 140°F
- **Wiring Capacity**  
Min 18 AWG Max 14 AWG

For DS37c dimensions, see pgs 51-52

### Receptacle (female)



Don't forget to add installation accessories to your order

### Inlet (male)



Voltage	Polarity	Part # Stainless Steel
50V	37P <sup>+</sup>	37-C4003-SS
480V	36P+G <sup>+</sup>	37-C4003-SS

Voltage	Polarity	Part # Stainless Steel
50V	37P <sup>+</sup>	37-C8003-SS
480V	36P+G <sup>+</sup>	37-C8003-SS

\* 37P for devices up to 50V or 36P+G for devices up to 480V. Multiple voltage labels are provided for application in the field.

NEW Feature

### New Feature

- **Crimped Contacts**  
DS37c devices now feature contacts that can be crimped or soldered. Each device is supplied with 3 bags of 13 contacts so that the product can be set up to suit application needs.

### Simple Assembly and Disassembly

DSN37c shown



#### Assembly

To insert contacts when they have been wired is simple. Push wired contact into rear of insulator until it stops to complete the installation.



#### Disassembly

To remove, use the tool provided. Push tool from front onto contact until tool stops. Contact is then released at rear of insulator.

# Installation Accessories

## Handles



NPT	Stainless Steel Handle
3/4"	3H34SS
1"	3H1SS
1 1/4"	3H114SS

## NPT Guidelines

Cable Range	NPT
.438 - .812	3/4"
.660 - 1.000	1"
.875 - 1.375	1 1/4"

NPT sizes are determined by the cable diameter and third party cord grip.

## Angles



Stainless Steel 30° Angle
MA3SS

## Junction Boxes



51.3 in<sup>3</sup>\*



NPT	Stainless Steel Box with* Stainless Steel Angle	Stainless Steel Box
1	39-3A053-080-SS-1	MB31SS

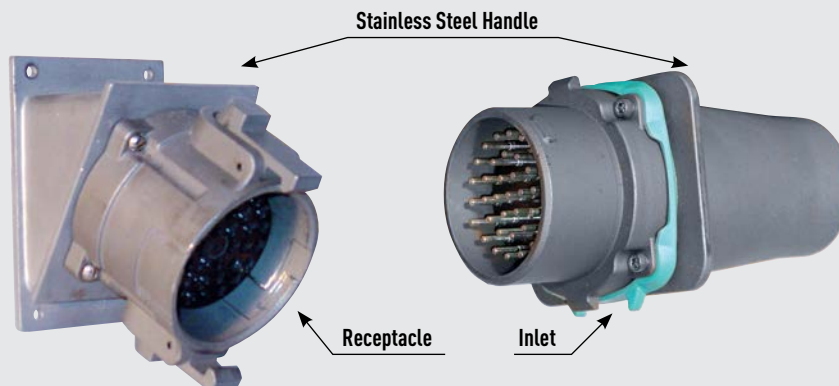
**Notes:** \* Includes angle adapter as shown.  
\* Interior volume with receptacle installed.

## Miscellaneous Accessories



Multi-Contact Removal Tool	Crimper Tool (Greenlee or equal)	European Crimping Tool
9-LD12-37	4CN30	61-CA500

DS37c Stainless Steel Multipins are made of cast stainless steel.



## Order Example

A typical order should include an inlet part number, a receptacle part number **AND** the matching handles, angles or other required accessories.



**Male Inlet with Handle (Plug)**  
37-C8003-SS + 3H1SS



**Female Receptacle with Angle Adapter**  
37-C4003-SS + MA3SS