

DSN24c



DSN24c Multipin – 7.5A Plugs & Receptacles

Ratings

- Voltage**
 50 VAC or 480 VAC Max/130 VDC+
 + For DC order 480V model
- Amperage Rating**
 2A Current Interrupting
 7.5A Non-Current Interrupting
 ! DSN24c is capable of handling
 4-20mA low current applications
- Environmental Ratings**
 IP66+IP67
- Temperature Range**
 Min -40°F/Max 140°F
 See pg 228 for temps below -15°F.
- Wiring Capacity**
 Min 18 AWG Max 14 AWG
- Listings**
 CE*
 * Contact Customer Service

For DSN24c dimensions, see pgs 35-36

Receptacle (female)



Don't forget to add installation accessories to your order

Inlet (male)



For international configurations (CE) visit meltric.com/international-catalog or contact customer service at 800.433.7642.

Voltage	Polarity	Part # Poly
50V	24P+	63-B4002
480V	23P+G+	63-B4002

Voltage	Polarity	Part # Poly
50V	24P+	63-B8002
480V	23P+G+	63-B8002

+ 24P for devices up to 50V or 23P+G for devices up to 480V. Multiple voltage labels are provided for application in the field.

Highlighted Feature

- Crimped Contacts**
 DSN24c devices now feature contacts that can be crimped or soldered. Each device is supplied with 2 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.

Main Options



5/16" hole
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 205-214 for detailed information on these options

Inlet Options	Part #
Self-Ejecting Plug Release	Inlet # - 338

DSN24c Order Example:

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

DSN24c 22P = 63-B4002-**375**

Installation Accessories

Handles



NPT	Poly Handle	Cable Range	Poly Handle w/Clamp & Bushing	Nylon Handle
1/2"	61-3A013-12	.20 - .83	-	61-3A013
3/4"	61-3A013-34	.750 - .875	1PM514	-
1"	61-3A013-1	.875 - 1.000	1PM516	-
1 1/4"	61-3A013-114	1.000 - 1.125	1PM518	-
		1.125 - 1.250	1PM520	-
		1.250 - 1.375	1PM522	-

- Notes:**
- Finger draw plates are recommended for easier connector closure on cord to cord assemblies.
 - For available cord grips see pgs 171-172.

NPT Guidelines

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.

Angles



Nylon 30° Angle	Metal 30° Angle	Metal Angle FS/FD Box 30°	Metal Straight Adapter
61-3A027	MA2	MAFS2*	MS2

* MAFS2 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



NPT	Metal Box	Metal Box with Nylon Angle	Poly* Conduit Entry	Poly 70°** Wall Box	Poly 70° Alum Wall Box
1/2"	MB312	61-3A053-080-12	61-3A023-12	51-BA058	59-BA058-12
3/4"	MB334	61-3A053-080-34	61-3A023-34	51-BA058	59-BA058-34
1"	MB31	61-3A053-080-1	-	51-BA058	59-BA058-1
1 1/4"	MB3114	61-3A053-080-114	-	51-BA058	59-BA058-114
1 1/2"	-	-	-	-	59-BA058-112

- * 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



Receptacle Lockout Pin



Multi-Contact Removal Tool



Crimper Tool (Greenlee or equal)



European Crimping Tool

61-3A346	61-3A426	61-3A826	LP-843	9-LD12-37	4CN30	61-CA500
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- * Recommended for cord to cord assembly applications, for easier connector closure.
- + Requires Padlockable Pawl option (-843) on receptacle.

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-B8002 + 61-3A013



Female Receptacle with Angle Adapter
63-B4002 + 61-3A027

DS24c



DS24c Multipin – 7.5A Stainless Steel Plugs & Receptacles

Ratings

- **Voltage**
Up to 250 VAC Max/130 VDC
- **Amperage Rating**
2A Current Interrupting
7.5A Non-Current Interrupting
! DS24c 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 DS24c dimensions, see pgs 53-54

Receptacle (female)



Don't forget to add installation accessories to your order

For international configurations (CE) visit meltric.com/international-catalog or contact customer service at 800.433.7642.

Voltage	Polarity	Part # Stainless Steel
50V	24P+	37-B4002-SS
250V	23P+G+	37-B4002-SS

Inlet (male)



Voltage	Polarity	Part # Stainless Steel
50V	24P+	37-B8002-SS
250V	23P+G+	37-B8002-SS

+ 24P for devices up to 50V or 36P+G for devices up to 480V. Multiple voltage labels are provided for application in the field.

Highlighted Feature

- **Crimped Contacts**
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Simple Assembly and Disassembly

DSN37c shown



Assembly

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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"	1H34SS
1"	1H1SS

NPT Guidelines

Cable Range	NPT
.312 - .625	1/2"
.438 - .75	3/4"
.660 - 1.000	1"

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

Angles



Stainless Steel 30° Angle
MA2SS

Junction Boxes



51.3 in³*



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

DS24c Stainless Steel Multipins are made of machined 304 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-B8002-SS + 1H1SS



Female Receptacle with Angle Adapter
37-B4002-SS + MA2SS