



DS7 Multipin – 30A Plugs & Receptacles

Ratings

- **Voltage**
50 VAC or 600 VAC Max
- **Amperage Rating**
30A Current Interrupting
- **Environmental Ratings**
IP54/IP55
- **Temperature Range**
Min -40°F/Max 140°F
See pg 204 for temps below -15°F.
- **Wiring Capacity**
Min 14 AWG Max 8 AWG
- **Listings**
Contact Customer Service

For DS7 dimensions, see pgs 49-50

Receptacle (female)



Inlet (male)



Voltage	Polarity	Part #	
		Poly	Metal
50V	4P	33-34540	37-34540
50V	5P	33-34550	37-34550
50V	6P	33-34560	37-34560
50V	7P	33-34570	37-34570
600V	3P+G	33-34531	37-34531
600V	4P+G	33-34541	37-34541
600V	5P+G	33-34551	37-34551
600V	6P+G	33-34561	37-34561

Voltage	Polarity	Part #	
		Poly	Metal
50V	4P	33-38540	37-38540
50V	5P	33-38550	37-38550
50V	6P	33-38560	37-38560
50V	7P	33-38570	37-38570
600V	3P+G	33-38531	37-38531
600V	4P+G	33-38541	37-38541
600V	5P+G	33-38551	37-38551
600V	6P+G	33-38561	37-38561

Main Options

-  **Padlock Pawl**
-  **Mushroom Pawl**
-  **Self-Ejecting Devices**
* Requires straight insertion receptacle or inlet and self-ejecting plug or connector

Receptacle Options

Receptacle Options	Part #
With 2 Auxiliary/Pilot contacts	Recept # - 172
With 3 Auxiliary/Pilot contacts	Recept # - 173
NEMA 4X Watertightness	Recept # - 4X
Straight Insertion	Recept # - A188
Self-Ejecting Connector Release	Recept # - 348-A188
Mushroom Pawl	Recept # - 375
Locking Mushroom Pawl	Recept # - 845
Padlock Pawl	Recept # - 843
Metal Pawl (on poly receptacle)	Recept # - 824
180° Opening Lid	Recept # - 180
Closed Lid Configuration	Recept # - NC
Recess Plate	Recept # - 142

Inlet Options

Inlet Options	Part #
With 2 Auxiliary/Pilot Contacts	Inlet # - 172
With 3 Auxiliary/Pilot Contacts	Inlet # - 173
NEMA 4X Watertightness	Inlet # - 4X
Self-Ejecting Plug Release	Inlet # - 338-A188
Straight Insertion	Inlet # - A188
With No Lockout Hole	Inlet # - A155

DS7 Order Example:

To order a device with a Mushroom Pawl add **-375** to the receptacle part number
DS7 4P = 33-34540-375

See pgs 181-190 for detailed information on these options

Installation Accessories

Unless indicated otherwise, accessories can be used with either poly or metal plugs and receptacles

Handles



NPT	Poly Handle	Metal* Handle	Cable Range	Poly Handle w/Clamp & Bushing	Nylon Handle	Neoprene Handle	Poly Handle w/built in Draw Grips
1/2"	6PH12	6H12	.50 - 1.25	-	-	31-611	-
3/4"	6PH34	6H34	.51 - 1.38	-	FH611	-	FH611-473
1"	6PH1	6H1	1.250 - 1.375	6PM622	-	-	-
1 1/4"	6PH114	6H114	1.438 - 1.562	6PM625	-	-	-
1 1/2"	6PH112	6H112	1.562 - 1.688	6PM627	-	-	-
			1.688 - 1.812	6PM629	-	-	-

- Notes:**
- Finger draw plates are recommended for easier connector closure on cord to cord assemblies.
 - For available cord grips, see pgs 177-178.
 - * For metal devices only

Angles



Nylon 30° Angle	Metal 30° Angle	Metal 70° Angle	Metal Angle + Oversized 30°	Metal Straight Adapter	Metal Lateral Angle 30°
MP6	MA6	89-6A027	MA660	MS6	MAB6

* Mounts on oversize box only. Order with MB10 box. See page 44.

Junction Boxes



NPT	Metal Box	Metal Box with Nylon Angle	Metal Box with Metal Angle	Poly* Conduit Entry	Poly 70°** Wall Box
1/2"	-	-	-	MC612	51-DA058
3/4"	-	-	-	MC634	51-DA058
1"	MB61	31-6A053-080-1	39-6A053-080-1	MC61	51-DA058
1 1/4"	MB6114	31-6A053-080-114	39-6A053-080-114	MC6114	51-DA058
1 1/2"	MB6112	31-6A053-080-112	39-6A053-080-112	-	51-DA058
2"	MB62	31-6A053-080-2	39-6A053-080-2	-	51-DA058

* For poly devices only

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

Miscellaneous Accessories



* Set of Two (2) For Male Devices Only For Male Devices Only

Finger Drawplates	Protective Cap	Padlockable Cap Aluminum	Inlet Spring-Loaded cap
FDP6	31-6A126	DS6MC	31-6A226

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

NPT Guidelines

Cable Range	NPT
.062 - .5	1/2"
.187 - .75	3/4"
.437 - 1.10	1"
.750 - 1.375	1 1/4"
.890 - 1.650	1 1/2"
1.125 - 2.438	2"
1.750 - 2.565	2 1/2"

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

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)
33-38540 + FH611



Female Receptacle with Angle Adapter
33-34540 + MP6



DR7 Multipin – 50A Plugs & Receptacles

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50A Non-Current Interrupting
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Contact Customer Service

For DR7 dimensions, see pgs 149-150

Receptacle (female)



Inlet (male)



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50V	5P	31-34950	39-34950
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600V	3P+G	31-34931	39-34931
600V	4P+G	31-34941	39-34941
600V	5P+G	31-34951	39-34951
600V	6P+G	31-34961	39-34961

Voltage	Polarity	Part #	
		Poly	Metal
50V	4P	31-38940	39-38940
50V	5P	31-38950	39-38950
50V	6P	31-38960	39-38960
50V	7P	31-38970	39-38970
600V	3P+G	31-38931	39-38931
600V	4P+G	31-38941	39-38941
600V	5P+G	31-38951	39-38951
600V	6P+G	31-38961	39-38961

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Handles



Not NEMA 3R

Makes connector closures easier

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1 1/2"	6PH112	6H112	1.562 - 1.688	6PM627	-	-	-
			1.688 - 1.812	6PM629	-	-	-

- Notes:**
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