

DS7c Multipin Plugs & Receptacles – 30 A

UL/CSA Ratings

- **Voltage**
50 VAC or 600 VAC Max/130 VDC+
+ For DC order 600V model
- **Amperage Rating**
30 A Current Interrupting
- **Temperature Range**
Min -40°F/Max 140°F
See pg 258 for temps below -15°F.
- **Environmental Ratings**
IP54/IP55
- **Wiring Capacity**
Min 14 AWG Max 8 AWG
- **Certifications**
Contact Customer Service

For DS7c dimensions, see pgs 55-56.

Receptacle (female)



Inlet (male)



! Don't forget to add installation accessories to your order

North American Configurations

Voltage	Polarity	Part #		Part #	
		Poly	Metal	Poly	Metal
50V	4P	33-34540	37-34540	33-38540	37-38540
50V	5P	33-34550	37-34550	33-38550	37-38550
50V	6P	33-34560	37-34560	33-38560	37-38560
50V	7P	33-34570	37-34570	33-38570	37-38570
600V	3P+G	33-34531	37-34531	33-38531	37-38531
600V	4P+G	33-34541	37-34541	33-38541	37-38541
600V	5P+G	33-34551	37-34551	33-38551	37-38551
600V	6P+G	33-34561	37-34561	33-38561	37-38561

Main Options



Mushroom Pawl



Padlock Pawl



Self-Ejecting Devices

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

Receptacle Options

Suffix

Inlet Options

Suffix

With 2 Auxiliary/Pilot Contacts	Recept # - 172	With 2 Auxiliary/Pilot Contacts	Inlet # - 172
With 3 Auxiliary/Pilot Contacts	Recept # - 173	With 3 Auxiliary/Pilot Contacts	Inlet # - 173
Type 4X & Closed Lid Configuration	Recept # - 4X	Type 4X Watertightness	Inlet # - 4X
Straight Insertion	Recept # - 352	Self-Ejecting Plug Release	Inlet # - 338
Self-Ejecting Connector Release	Recept # - 354	With No Lockout Hole	Inlet # - A155
Mushroom Pawl	Recept # - 375		
Padlock Pawl	Recept # - 843		
Padlockable Mushroom Pawl	Recept # - 375-843		
Screw-Type Locking Pawl	Recept # - 845		
Metal Pawl (on poly receptacle)	Recept # - 824		
Closed Lid Configuration	Recept # - NC		

! See pages 235-244 for detailed information on these options






Order Example: 50V DS7c + mushroom pawl

DS7c Poly receptacle 4P = 33-34540-375

INSTALLATION ACCESSORIES – SIZE 4




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






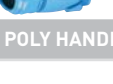
HANDLES

HANDLE w/NPT	Part # Poly	Part # Metal
 Poly 1/2"	514P0N05	594P0N05
 Poly 3/4"	514P0N07	594P0N07
 Poly 1"	514P0N10	594P0N10
 Metal 1 1/4"	514P0N12	594P0N12
 Metal 1 1/2"	514P0N15	594P0N15


For metal devices only

For available cord grips, see page 167.

POLY HANDLE w/CORD GRIP	Cable Range	Part #
	.680 - .980"	714P0DP4
	.980 - 1.260"	714P0EP4
	1.260 - 1.560"	714P0FP1





METAL HANDLE w/CORD GRIP	Cable Range	Part #
	.750 - .875"	794P0DS1
	.875 - 1.000"	794P0DS3
	1.000 - 1.125"	794P0ES2
	1.250 - 1.375"	794P0FS1
	1.438 - 1.562"	794P0FS2*
	1.562 - 1.688"	794P0FS3*

*May require stripping of cable jacket.



POLY HANDLE	Cable Range	Part #
	.51 - 1.38"	514P0D35






POLY HANDLE w/BUILT IN DRAW GRIPS	Cable Range	Part #
	.51 - 1.38"	514P0D35473

Makes connector closures easier.





POLY HANDLE w/CLAMP & BUSHING	Cable Range	Part #
	1.250 - 1.375"	714P0S22
	1.438 - 1.562"	714P0S25
	1.562 - 1.688"	714P0S27
	1.688 - 1.812"	714P0S29

ANGLES



POLY ANGLE	Angle	Part #	Notes
	30°	514M3	
	70°	514M7	Panel mounting only.


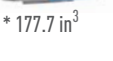



METAL ANGLE	Angle	Part #	Notes
	0°	594M0	
	30°	594M3	
	30°	794M3L	
	Oversized 30°	794M3	Mounts on oversized box only. Order with 715F0Nxx. See pg 50.
	70°	594M7	

BOXES


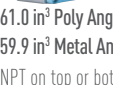


POLY CONDUIT ENTRY w/NPT	Angle	Size	Part #	Notes
	30°	1/2"	514B3N05	For poly devices only
	30°	3/4"	514B3N07	
	30°	1"	514B3N10	* Interior volume with receptacle installed.
	30°	1 1/4"	514B3N12	

* 28.1 in³

POLY WALL BOX w/ANGLE	Angle	Part #	Notes
	70°	514C7000	70° poly boxes are not drilled. Contact Customer Service if factory drilled is required.
	Ground Bar	51AA089	* Interior volume with receptacle installed.

POLY ANGLE WITH METAL BOX w/NPT	Angle	Size	Part #	Notes
	70°	1/2"	714C7N05	
	70°	3/4"	714C7N07	
	70°	1"	714C7N10	* Interior volume with receptacle installed.
	70°	1 1/4"	714C7N12	
	70°	1 1/2"	714C7N15	


METAL BOX w/NPT	Angle	Size	Part #
	0°	1"	7T4F0N10
	0°	1 1/4"	7T4F0N12
	0°	1 1/2"	7T4F0N15
	0°	2"	7T4F0N20


POLY ANGLE WITH METAL BOX w/NPT	Angle	Size	Part #	Notes
	30°	1"	714C3N10	For metal angle, replace "71" prefix with "79".
	30°	1 1/4"	714C3N12	
	30°	1 1/2"	714C3N15	* Interior volume with receptacle installed.
	30°	2"	714C3N20	


* 61.0 in³ Poly Angle
* 59.9 in³ Metal Angle


NPT on top or bottom (if rotated). For other NPT configurations, contact Customer Service.

MISCELLANEOUS ACCESSORIES

FINGER DRAWPLATES	Part #	Notes
	31-6A346	Set of Two (2) Recommended for cord to cord assembly applications, for easier connector closure.

PROTECTIVE INLET/PLUG CAP	Part #	Notes
	31-6A426	For Inlets/Plugs Only.

PADLOCKABLE INLET/PLUG CAP	Part #	Notes
	DS6MC	Aluminum – For Inlets/Plugs Only. -A155 suffix required to maintain water ingress protection.

SPRING-LOADED PADLOCKABLE INLET/PLUG CAP	Part #	Notes
	31-6A226	For Poly Inlets/Plugs Only.
	39-6A226	For Metal Inlets/Plugs Only.

-A155 suffix required to maintain water ingress protection.

EASY RETROFIT ADAPTER PLATES	Part #	Notes
	see pg 164	Mount to existing boxes.

RECEPTACLE LOCKING PIN	Part #	Notes
	LP-843	Requires Padlockable Pawl option (-843) on receptacle.

MULTIPIN

DR7c Multipin Plugs & Receptacles – 50 A

UL/CSA Ratings

- **Voltage**
50 VAC or 600 VAC Max/130 VDC+
+ For DC order 600V model
- **Amperage Rating**
50 A Non-Current Interrupting
- **Temperature Range**
Min -40°F/Max 140°F
See pg 258 for temps below -15°F.
- **Environmental Ratings**
IP54/IP55
- **Wiring Capacity**
Min 14 AWG Max 8 AWG
- **Certifications**
Contact Customer Service

For DR7c dimensions, see pgs 99-100.

Receptacle (female)



Inlet (male)



! Don't forget to add installation accessories to your order

North American Configurations

Voltage	Polarity	Part #		Part #	
		Poly	Metal	Poly	Metal
50V	4P	31-34940	39-34940	31-38940	39-38940
50V	5P	31-34950	39-34950	31-38950	39-38950
50V	6P	31-34960	39-34960	31-38960	39-38960
50V	7P	31-34970	39-34970	31-38970	39-38970
600V	3P+G	31-34931	39-34931	31-38931	39-38931
600V	4P+G	31-34941	39-34941	31-38941	39-38941
600V	5P+G	31-34951	39-34951	31-38951	39-38951
600V	6P+G	31-34961	39-34961	31-38961	39-38961

Main Options



Mushroom Pawl



Padlock Pawl



Self-Ejecting Devices

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

Receptacle Options

Suffix

Inlet Options

Suffix

With 2 Auxiliary/Pilot Contacts

Recept # - 172

With 2 Auxiliary/Pilot Contacts

Inlet # - 172

With 3 Auxiliary/Pilot Contacts

Recept # - 173

With 3 Auxiliary/Pilot Contacts

Inlet # - 173

Type 4X & Closed Lid Configuration

Recept # - 4X

Type 4X Watertightness

Inlet # - 4X

Straight Insertion

Recept # - 352

With No Lockout Hole

Inlet # - A155

Mushroom Pawl

Recept # - 375

Padlock Pawl

Recept # - 843

Padlockable Mushroom Pawl

Recept # - 375-843

Screw-Type Locking Pawl

Recept # - 845

Metal Pawl (on poly receptacle)

Recept # - 824

Closed Lid Configuration

Recept # - NC

! See pages 235-244 for detailed information on these options



Order Example: 50V DR7c + mushroom pawl

DR7c Poly receptacle 4P = 31-34940-375

INSTALLATION ACCESSORIES – SIZE 4


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


HANDLES

HANDLE w/NPT		Part # Poly	Part # Metal
	1/2"	514P0N05	594P0N05
	3/4"	514P0N07	594P0N07
	1"	514P0N10	594P0N10
	1 1/4"	514P0N12	594P0N12
	1 1/2"	514P0N15	594P0N15

For metal devices only


For available cord grips, see page 167.

POLY HANDLE w/CORD GRIP	Cable Range	Part #
	.680 - .980"	714P0DP4
	.980 - 1.260"	714P0EP4
	1.260 - 1.560"	714P0FP1

METAL HANDLE w/CORD GRIP	Cable Range	Part #
	.750 - .875"	794P0DS1
	.875 - 1.000"	794P0DS3
	1.000 - 1.125"	794P0ES2
	1.250 - 1.375"	794P0FS1
	1.438 - 1.562"	794P0FS2*
	1.562 - 1.688"	794P0FS3*


For metal devices only

*May require stripping of cable jacket.



POLY HANDLE	Cable Range	Part #
	.51 - 1.38"	514P0D35


POLY HANDLE w/BUILT IN DRAW GRIPS	Cable Range	Part #
	.51 - 1.38"	514P0D35473


Makes connector closures easier.

POLY HANDLE w/CLAMP & BUSHING	Cable Range	Part #
	1.250 - 1.375"	714P0S22
	1.438 - 1.562"	714P0S25
	1.562 - 1.688"	714P0S27
	1.688 - 1.812"	714P0S29

ANGLES

POLY ANGLE		Part #	Angle	Part #	Angle
	30°	514M3		70°	514M7
					Panel mounting only.

METAL ANGLE		Part #
	0°	594M0
	30°	594M3
	30°	794M3L

METAL ANGLE		Part #
	Oversized 30°	794M3
	70°	594M7

Mounts on oversize box only. Order with 715FDNxx. See pg 50.

BOXES

POLY CONDUIT ENTRY w/NPT		Part #
	30° 1/2"	514B3N05
	30° 3/4"	514B3N07
	30° 1"	514B3N10
	30° 1 1/4"	514B3N12

* 28.1 in³

For poly devices only


* Interior volume with receptacle installed.

POLY WALL BOX w/ANGLE		Part #
	70°	514C7000
	70°	514C7000

* 181.24 in³

70° poly boxes are not drilled. Contact Customer Service if factory drilled is required.


* Interior volume with receptacle installed.

POLY ANGLE WITH METAL BOX w/NPT		Part #
	70° 1/2"	714C7N05
	70° 3/4"	714C7N07
	70° 1"	714C7N10
	70° 1 1/4"	714C7N12
	70° 1 1/2"	714C7N15

* 177.7 in³

* Interior volume with receptacle installed.

METAL BOX w/NPT		Part #
	0° 1"	7T4F0N10
	0° 1 1/4"	7T4F0N12
	0° 1 1/2"	7T4F0N15
	0° 2"	7T4F0N20

POLY ANGLE WITH METAL BOX w/NPT		Part #
	30° 1"	714C3N10
	30° 1 1/4"	714C3N12
	30° 1 1/2"	714C3N15
	30° 2"	714C3N20

* 61.0 in³ Poly Angle


* 59.9 in³ Metal Angle

For metal angle, replace "71" prefix with "79".

* Interior volume with receptacle installed.


NPT on top or bottom (if rotated). For other NPT configurations, contact Customer Service.

MISCELLANEOUS ACCESSORIES

FINGER DRAWPLATES	
	31-6A346 Set of Two (2) Recommended for cord to cord assembly applications, for easier connector closure.


PROTECTIVE INLET/PLUG CAP	
	31-6A426 For Inlets/Plugs Only.

PADLOCKABLE INLET/PLUG CAP	
	DS6MC Aluminum – For Inlets/Plugs Only. -A155 suffix required to maintain water ingress protection.

SPRING-LOADED PADLOCKABLE INLET/PLUG CAP	
	31-6A226 For Poly Inlets/Plugs Only.
	39-6A226 For Metal Inlets/Plugs Only.

-A155 suffix required to maintain water ingress protection.

EASY RETROFIT ADAPTER PLATES	
	see pg 164 Mount to existing boxes.

RECEPTACLE LOCKING PIN	
	LP-843 Requires Padlockable Pawl option (-843) on receptacle.