

DR100 Standard Duty Plugs & Receptacles – 100 A

UL/CSA Ratings

- Max Amperage & Voltage**
 100 A, 600 VAC
- Current Interruption Capability**
 For current interrupting up to 250 VAC
 For Switch-Rated devices, see DS & DSN sections.
- Short Circuit Rating**
 100kA
 Testing was performed with RK1 current limiting fuses sized at least 100% of the devices ampacity rating.
- Environmental Ratings**
 Type 3R (Standard)
 Type 4X (Optional)
- Temperature Range**
 Min -40°F / Max 140°F
 See pg 258 for temps below -15°F.
- Wiring Capacity**
 Min 10 AWG Max 2 AWG
 Aux Contacts - Max 14 AWG
 Based on THHN wire sizes
- Certifications**
 UL 1682, CSA 182.1

Receptacle (female)



Inlet (male)



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

North American UL/CSA Configurations

Voltage	Polarity	Part #		Part #	
		Poly	Metal	Poly	Metal
120V	1P+N+G	31-64235-K16	39-64235-K16	31-68235-K16	39-68235-K16
120 208V	3P+N+G	31-64237-K16	39-64237-K16	31-68237-K16	39-68237-K16
125V	1P+N+G	31-64175-K07	39-64175-K07	31-68175-K07	39-68175-K07
125 250V	2P+N+G	31-64176-K07	39-64176-K07	31-68176-K07	39-68176-K07
208V	2P+G	31-64232-K16	39-64232-K16	31-68232-K16	39-68232-K16
208V	3P+G	31-64233-K16	39-64233-K16	31-68233-K16	39-68233-K16
250V	2P+G	31-64172-K07	39-64172-K07	31-68172-K07	39-68172-K07
250V	3P+G	31-64173-K07	39-64173-K07	31-68173-K07	39-68173-K07
277V	1P+N+G	31-64245-K04	39-64245-K04	31-68245-K04	39-68245-K04
277 480V	3P+N+G	31-64247-K04	39-64247-K04	31-68247-K04	39-68247-K04
347 600V	3P+N+G	31-64187-K14	39-64187-K14	31-68187-K14	39-68187-K14
480V	2P+G	31-64242-K04	39-64242-K04	31-68242-K04	39-68242-K04
480V	3P+G	31-64243-K04	39-64243-K04	31-68243-K04	39-68243-K04
600V	2P+G	31-64182-K14	39-64182-K14	31-68182-K14	39-68182-K14
600V	3P+G	31-64183-K14	39-64183-K14	31-68183-K14	39-68183-K14

Main Options



Auxiliary/Pilot Contacts



Mushroom Pawl



Padlock Pawl



Closed Lid Configuration
Recommended for cord applications to keep lid tucked in to avoid damage.

Receptacle Options

Suffix

Inlet Options

Suffix

With 2 Auxiliary/Pilot Contacts	Recept # - 972	With 2 Auxiliary/Pilot Contacts	Inlet # - 972
With 3 Auxiliary/Pilot Contacts	Recept # - 263	With 3 Auxiliary/Pilot Contacts	Inlet # - 263
With 4 Auxiliary/Pilot Contacts	Recept # - 264	With 4 Auxiliary/Pilot Contacts	Inlet # - 264
Type 4X & Closed Lid Configuration	Recept # - 4X	Type 4X Watertightness	Inlet # - 4X
Mushroom Pawl	Recept # - 375	With No Lockout Hole	Inlet # - A155
Padlock Pawl	Recept # - 843	For Auxiliary Switch	Inlet # - NNF*
Padlockable Mushroom Pawl	Recept # - 375-843		
Screw-Type Locking Pawl	Recept # - 845		
Metal Pawl (on poly receptacle)	Recept # - 824		
180° Opening Lid (metal only)	Recept # - 180++		
Closed Lid Configuration	Recept # - NC		
With Auxiliary Switch	Recept # - 270+		

Notes: * Order inlet with P+N+G configuration and receptacle with P+G configuration.

Notes: + Not UL/CSA listed.
 ++ Required when mating to rigid mounted male inlet.



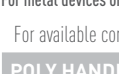


Order Example: 480V DR100 + 2 auxiliary contacts
 DR100 Poly inlet 3P+G = 31-68243-K04-972

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

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	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 oversize box only. Order with 7T5F0Nxx. See pg 50.
	70°	594M7	

BOXES

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


* 27.7 in³

POLY WALL BOX w/ANGLE	Angle	Part #	Notes
	70°	514C7000	70° poly boxes are not drilled. Contact Customer Service if factory drilling 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	* Interior volume with receptacle installed.
	70°	3/4"	714C7N07	
	70°	1"	714C7N10	
	70°	1 1/4"	714C7N12	
	70°	1 1/2"	714C7N15	

* 177.7 in³


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". * Interior volume with receptacle installed.
	30°	1 1/4"	714C3N12	
	30°	1 1/2"	714C3N15	
	30°	2"	714C3N20	



* 61.0 in³ Poly Angle
* 59.4 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
	DS6PC	Poly – For Inlets/Plugs Only.
	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.

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