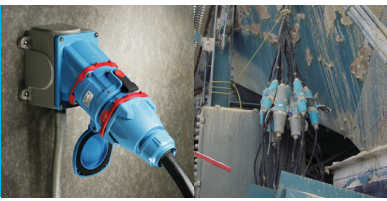


# DR150



## DR – 150A Standard Duty Plugs & Receptacles

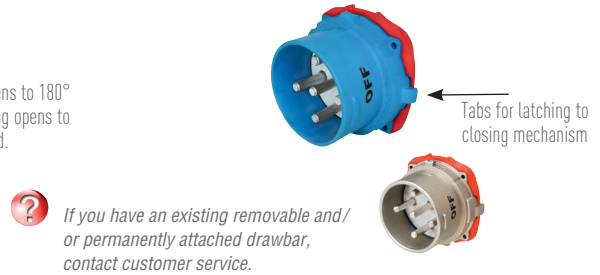
### Ratings

- Voltage**  
600 VAC
- Current Interruption Capability**  
For current interrupting up to 250 VAC  
*For Switch-Rated devices, see DS & DSN sections.*
- Short Circuit Rating**  
10kA  
Testing was performed with RK1 current limiting fuses sized at least 100% of the devices ampacity rating.
- Environmental Ratings**  
Type 4X, IP66+IP67 (Poly Only)  
Type 3R, IP54/IP55\* (Metal Only)  
\* IP54 when the plug & receptacle are mated. IP55 on the receptacle alone when the lid is latched closed.
- Temperature Range**  
Min -40°F / Max 140°F  
See pg 228 for temps below -15°F.
- Wiring Capacity**  
Min 4 AWG Max 2/0 AWG  
Aux Contacts - Max 14 AWG  
\* Based on THHN wire sizes
- Listings**  
UL, CSA, IEC, CE\*  
\* Contact Customer Service

### Receptacle (female)



### Inlet (male)



Voltage	Polarity	Part #	
		Poly	Metal
120V	1P+N+G	31-94235-K16	39-94235-K16
120/208V	3P+N+G	31-94237-K16	39-94237-K16
125V	1P+N+G	31-94175-K07	39-94175-K07
125/250V	2P+N+G	31-94176-K07	39-94176-K07
208V	2P+G	31-94232-K16	39-94232-K16
208V	3P+G	31-94233-K16	39-94233-K16
250V	2P+G	31-94172-K07	39-94172-K07
250V	3P+G	31-94173-K07	39-94173-K07
277V	1P+N+G	31-94245-K04	39-94245-K04
277/480V	3P+N+G	31-94247-K04	39-94247-K04
347/600V	3P+N+G	31-94187-K14	39-94187-K14
480V	2P+G	31-94242-K04	39-94242-K04
480V	3P+G	31-94243-K04	39-94243-K04
600V	2P+G	31-94182-K14	39-94182-K14
600V	3P+G	31-94183-K14	39-94183-K14

Voltage	Polarity	Part #	
		Poly	Metal
120V	1P+N+G	31-98235-K16	39-98235-K16
120/208V	3P+N+G	31-98237-K16	39-98237-K16
125V	1P+N+G	31-98175-K07	39-98175-K07
125/250V	2P+N+G	31-98176-K07	39-98176-K07
208V	2P+G	31-98232-K16	39-98232-K16
208V	3P+G	31-98233-K16	39-98233-K16
250V	2P+G	31-98172-K07	39-98172-K07
250V	3P+G	31-98173-K07	39-98173-K07
277V	1P+N+G	31-98245-K04	39-98245-K04
277/480V	3P+N+G	31-98247-K04	39-98247-K04
347/600V	3P+N+G	31-98187-K14	39-98187-K14
480V	2P+G	31-98242-K04	39-98242-K04
480V	3P+G	31-98243-K04	39-98243-K04
600V	2P+G	31-98182-K14	39-98182-K14
600V	3P+G	31-98183-K14	39-98183-K14

### Main Options

- Auxiliary Contacts**
- Mushroom Pawl**
- Padlock Pawl**  
5/16" hole
- Closed Lid Configuration**  
Recommended for cord applications to keep lid tucked in to avoid damage.

Receptacle Options	Part #
With 2 Auxiliary/Pilot contacts	Recept # - 262
With 3 Auxiliary/Pilot contacts	Recept # - 263
With 4 Auxiliary/Pilot contacts	Recept # - 264
With 5 Auxiliary/Pilot contacts	Recept # - 975
With 6 Auxiliary/Pilot contacts	Recept # - 976
Type 4X & closed lid configuration	Recept # - 4X <sup>i</sup>
Mushroom Pawl	Recept # - 375
Padlock Pawl	Recept # - 843
Padlockable Mushroom Pawl	Recept # - 375-843
Locking Mushroom Pawl	Recept # - 845
Metal Pawl (on poly receptacle)	Recept # - 824
180° Opening Lid	Recept # - 180 <sup>++</sup>
Closed Lid configuration	Recept # - NC
With Auxiliary Switch	Recept # - 270 <sup>+++</sup>

Inlet Options	Part #
With 2 Auxiliary/Pilot contacts	Inlet # - 262
With 3 Auxiliary/Pilot contacts	Inlet # - 263
With 4 Auxiliary/Pilot contacts	Inlet # - 264
With 5 Auxiliary/Pilot contacts	Inlet # - 975
With 6 Auxiliary/Pilot contacts	Inlet # - 976
Type 4X Watertightness	Inlet # - 4X
With No Lockout Hole	Inlet # - A155
For Auxiliary Switch*	Inlet # - NNF

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

#### DR150 Order Example:

To order 2 auxiliary contacts on an inlet and receptacle add **-262** to the part numbers.

DR150 Inlet 3P+G = 31-94243-K04-**262**

DR150 Receptacle 3P+G = 31-94243-K04-**262**

Appropriate accessory part numbers must also be included on the order.

**Notes:** ++ Required when mating to rigid mounted male inlet.  
+++ Not UL/CSA listed.  
<sup>i</sup> Metal devices only.

See pgs 205-214 for detailed information on these options

# Installation Accessories

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

## Handles



IP 66/67

NPT	Poly Handle	Metal* Handle
3/4"	9PH34	9H34
1"	9PH1	9H1
1 1/4"	9PH114	9H114
1 1/2"	9PH112	9H112
2"	9PH2	9H2

Cable Range	Santoprene™ Handle	Poly Handle w/Clamp & Bushing
.70 - 1.00	65-9A013-D25	-
1.00 - 1.375	65-9A013-D35	-
1.250 - 1.375	-	9PM622
1.375 - 1.750	65-9A013-D45	-
1.438 - 1.562	-	9PM625
1.562 - 1.688	-	9PM627
1.688 - 1.812	-	9PM629

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

- For a guideline of NPT sizes based on cable ranges, see DR250 on pg 110.

## Angles



Nylon 30° Angle	Metal 30° Angle	Metal 70° Angle	Metal Angle+ Oversized 30°	Metal Straight Adapter
MP10	MA10	89-9A027	MA110	MS10

+ Mounts on oversize box only. Order with MB22xxx box. See page 110.

## Junction Boxes



108.7 in<sup>3+</sup>

111.8 in<sup>3+</sup>

NPT	Metal Box	Metal Box with Nylon Angle	Metal Box with Metal Angle
1 1/4"	MB10114	31-9A053-080-114	39-9A053-080-114
1 1/2"	MB10112	31-9A053-080-112	39-9A053-080-112
2"	MB102	31-9A053-080-2	39-9A053-080-2
2 1/2"	MB10212	31-9A053-080-212	39-9A053-080-212

+ Interior volume with receptacle installed.

## Miscellaneous Accessories



For Male Devices Only



For Male Devices Only



Cord Grip with Mesh



Receptacle + Lockout Pin

Protective Cap	Padlockable Cap Aluminum	Cord Grip with Mesh	Receptacle + Lockout Pin
31-9A126	DS9MC	see pgs 171-172	LP-843

+ Requires Padlockable Pawl option (-843) on receptacle.

## Feature Spotlight – Easy Closing Mechanism

A new and simplified closing mechanism is now standard on the DS100 and DS200 plugs and receptacles. This compact mechanism enables easy connection of the plug to the receptacle.

- Notes:** After connection, the mechanism must be released to allow disconnection of the device.



The plug is partially inserted, clamps are placed around tab, ready to pull the plug into the receptacle.



The handles are pushed down, the plug is fully drawn into the 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)  
39-98243-K04 + 65-9A013-D25



Female Receptacle with Angle Adapter  
39-94243-K04 + MA10