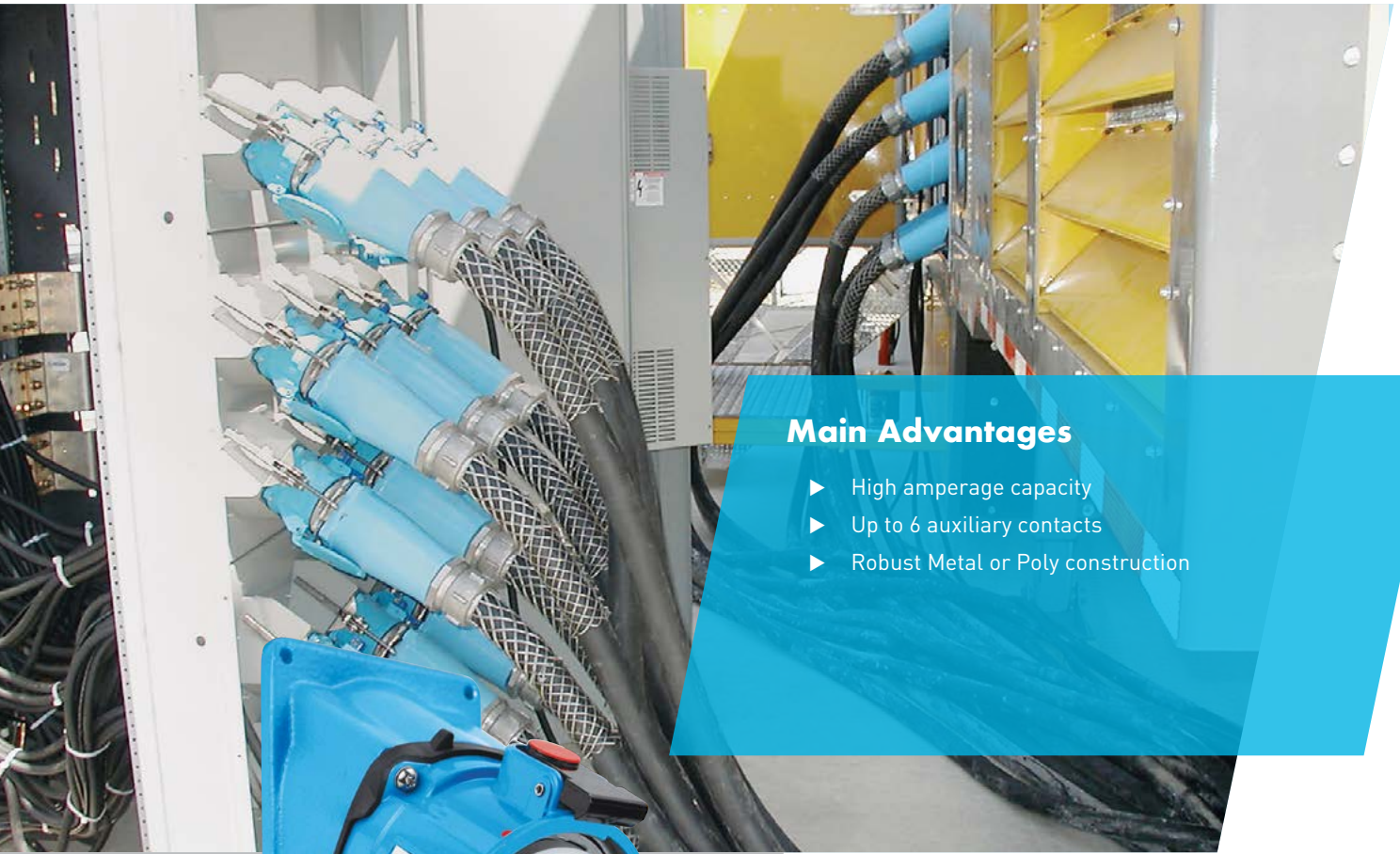


DR Standard Duty Plug and Receptacle



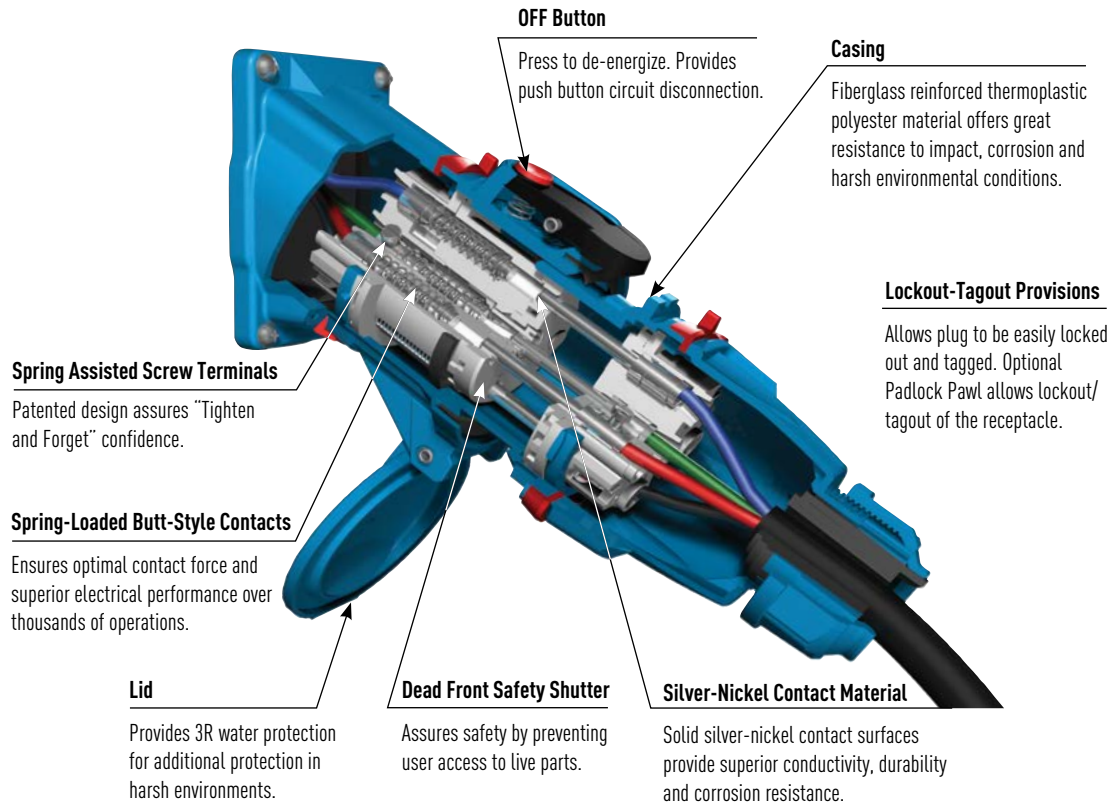
Main Advantages

- ▶ High amperage capacity
- ▶ Up to 6 auxiliary contacts
- ▶ Robust Metal or Poly construction



- | | | | |
|------------------------|-------|---------------|-------|
| ▶ Features and Ratings | p. 84 | ▶ DR250 | p. 93 |
| ▶ DR30 | p. 85 | ▶ DR400 | p. 95 |
| ▶ DR50 | p. 87 | ▶ Spare Parts | p. 97 |
| ▶ DR100 | p. 89 | ▶ Dimensions | p. 99 |
| ▶ DR150 | p. 91 | | |

PRODUCT FEATURES



General Ratings

Amperage	30 to 400 A
Voltage	600 VAC
Frequency	50-400 Hz
Short-Circuit (Make & Withstand)	10kA to 100kA*
Environmental	Type 3R, Type 4X optional
Temperature	min -40°F/max 140°F

* DR30, 50 & 100 are rated 100kA; DR150, 250 and 400 are 10kA to 65kA. Testing was performed with RK1 current limiting fuses sized at least 100% of the devices ampacity rating.

Current Interruption Listings

Model	Current Interruption Capabilities
DR30	Not for current interrupting
DR50	For current interrupting up to 250 VAC***
DR100	For current interrupting up to 250 VAC***
DR150	For current interrupting up to 250 VAC***
DR250	Not for current interrupting
DR400	Not for current interrupting

*** Devices rated for current interrupting are not intended for repetitive switching duties.

Listings

Category	UL	CSA	IEC
Plugs and Receptacles	UL 1682	C22.2 No. 182.1	60309-1

CE ratings available upon request.

Operating Instructions



When the plug and receptacle are latched together, the circuit is connected.



Pressing the pawl breaks the connection and opens the circuit. The plug is ejected to its rest position; The contacts are now dead.



Rotating the 'dead' plug 30° counterclockwise closes the safety shutter and frees the plug to be withdrawn from the receptacle.



The plug and the receptacle are separated. The safety shutter prevents access to live parts.

5 To reconnect, insert plug into receptacle, rotate 30° clockwise, and apply insertion force.

DR30 Standard Duty Plugs & Receptacles – 30 A

UL/CSA Ratings

- **Max Amperage & Voltage**
30 A, 600 VAC
- **Current Interruption Capability**
Not for current interrupting
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 256 for temps below -15°F.
- **Wiring Capacity**
Min 14 AWG Max 8 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 # Poly	Part # Poly
120V	1P+N+G	31-14235-K16	31-18235-K16
120 208V	3P+N+G	31-14237-K16	31-18237-K16
125V	1P+N+G	31-14175-K07	31-18175-K07
125 250V	2P+N+G	31-14176-K07	31-18176-K07
208V	2P+G	31-14232-K16	31-18232-K16
208V	3P+G	31-14233-K16	31-18233-K16
250V	2P+G	31-14172-K07	31-18172-K07
250V	3P+G	31-14173-K07	31-18173-K07
277V	1P+N+G	31-14245-K04	31-18245-K04
277 480V	3P+N+G	31-14247-K04	31-18247-K04
347 600V	3P+N+G	31-14187-K14	31-18187-K14
480V	2P+G	31-14242-K04	31-18242-K04
480V	3P+G	31-14243-K04	31-18243-K04
600V	2P+G	31-14182-K14	31-18182-K14
600V	3P+G	31-14183-K14	31-18183-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
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		
Locking Mushroom Pawl	Recept # - 845		
Metal Pawl (on poly receptacle)	Recept # - 824		
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.





! See pages 233-242 for detailed information on these options

Order Example: 480V DR30 + 2 auxiliary contacts
DR30 Poly inlet 3P+G = 31-18243-K04-972


INSTALLATION ACCESSORIES – SIZE 2


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"	512P0N05	592P0N05
 Poly 3/4"	512P0N07	592P0N07
 Metal 1"	512P0N10	592P0N10
 Metal 1 1/4"	512P0N12	-

For available cord grips, see pg 165.


POLY HANDLE w/CORD GRIP	Cable Range	Part #
	.350 - .520"	712P0BP6
	.520 - .680"	712P0CP5
	.680 - .980"	712P0DP4
	.980 - 1.260"	712P0EP4

METAL HANDLE w/CORD GRIP	Cable Range	Part #
	.438 - .500"	792P0BS3
	.500 - .562"	792P0BS4
	.562 - .625"	792P0CS2
	.625 - .750"	792P0CS4
	.750 - .875"	792P0DS1
	.875 - 1.000"	792P0DS3

POLY HANDLE	Cable Range	Part #
	.20 - .83"	512P0D21


POLY HANDLE w/CLAMP & BUSHING	Cable Range	Part #
	.750 - .875"	712P0S14
	.875 - 1.000"	712P0S16
	1.000 - 1.125"	712P0S18
	1.125 - 1.250"	712P0S20
	1.250 - 1.375"	712P0S22


ANGLES

POLY ANGLE	Angle	Part #
	30°	512M3


	70°	512M7
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METAL ANGLE	Angle	Part #
	0°	592M0


	30°	592M3
---	-----	--------------


	FS/FD Box 30°	792M3FS	* 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.
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BOXES


POLY CONDUIT ENTRY w/NPT	Angle	Size	Part #	Notes
	30°	1/2"	512B3N05	For poly devices only
	30°	3/4"	512B3N07	* Interior volume with receptacle installed.

POLY WALL BOX w/ANGLE	Angle	Part #	Notes
	70°	512C7000	70° poly boxes are not drilled. Contact customer service if factory drilling is required. * Interior volume with receptacle installed.

	Ground Bar	51AA089
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POLY ANGLE WITH METAL BOX w/NPT	Angle	Size	Part #	Notes
	70°	1/2"	712C7N05	* Interior volume with receptacle installed.
	70°	3/4"	712C7N07	
	70°	1"	712C7N10	
	70°	1 1/4"	712C7N12	
	70°	1 1/2"	712C7N15	

METAL BOX w/NPT	Angle	Size	Part #
	0°	1/2"	7T1F0N05
	0°	3/4"	7T1F0N07
	0°	1"	7T1F0N10
	0°	1 1/4"	7T1F0N12

POLY ANGLE WITH METAL BOX w/NPT	Angle	Size	Part #	Notes
	30°	1/2"	712C3N05	For metal angle, replace "71" prefix with "79". * Interior volume with receptacle installed.
	30°	3/4"	712C3N07	
	30°	1"	712C3N10	
	30°	1 1/4"	712C3N12	

NPT on top or bottom (if rotated). For other NPT configurations, contact customer service.

MISCELLANEOUS ACCESSORIES


FINGER DRAWPLATES	Part #	Notes
	61-3A346	Set of Two (2) Recommended for cord to cord assembly applications, for easier connector closure.

PROTECTIVE INLET/PLUG CAP	Part #	Notes
	31-1A426	For Inlets/Plugs Only.

PADLOCKABLE INLET/PLUG CAP	Part #	Notes
	DS1PC	For Inlets/Plugs Only.

SPRING-LOADED PADLOCKABLE INLET/PLUG CAP	Part #	Notes
	31-1A226	For Inlets/Plugs Only. -A155 suffix required to maintain water ingress protection.

EASY RETROFIT ADAPTER PLATES	Part #	Notes
	see pg 162	Mount to existing boxes.

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

DR50 Standard Duty Plugs & Receptacles – 50 A

UL/CSA Ratings

- **Max Amperage & Voltage**
50 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 256 for temps below -15°F.
- **Wiring Capacity**
Min 12 AWG Max 4 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 # Poly	Part # Poly
120V	1P+N+G	31-34235-K16	31-38235-K16
120 208V	3P+N+G	31-34237-K16	31-38237-K16
125V	1P+N+G	31-34175-K07	31-38175-K07
125 250V	2P+N+G	31-34176-K07	31-38176-K07
208V	2P+G	31-34232-K16	31-38232-K16
208V	3P+G	31-34233-K16	31-38233-K16
250V	2P+G	31-34172-K07	31-38172-K07
250V	3P+G	31-34173-K07	31-38173-K07
277V	1P+N+G	31-34245-K04	31-38245-K04
277 480V	3P+N+G	31-34247-K04	31-38247-K04
347 600V	3P+N+G	31-34187-K14	31-38187-K14
480V	2P+G	31-34242-K04	31-38242-K04
480V	3P+G	31-34243-K04	31-38243-K04
600V	2P+G	31-34182-K14	31-38182-K14
600V	3P+G	31-34183-K14	31-38183-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 # - 973	With 3 Auxiliary/Pilot Contacts	Inlet # - 973
With 4 Auxiliary/Pilot Contacts	Recept # - 974	With 4 Auxiliary/Pilot Contacts	Inlet # - 974
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		
Locking Mushroom Pawl	Recept # - 845		
Metal Pawl (on poly receptacle)	Recept # - 824		
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.

! See pages 233-242 for detailed information on these options





Order Example: 480V DR50 + 2 auxiliary contacts

DR50 Poly inlet 3P+G = 31-38243-K04-972


INSTALLATION ACCESSORIES – SIZE 3


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"	513P0N05	593P0N05
 Poly 3/4"	513P0N07	593P0N07
 Poly 1"	513P0N10	593P0N10
 Metal 1 1/4"	513P0N12	593P0N12

For available cord grips, see pg 165.


POLY HANDLE w/CORD GRIP	Cable Range	Part #
	.520 - .680"	713P0CP5
	.680 - .980"	713P0DP4
	.980 - 1.260"	713P0EP4

METAL HANDLE w/CORD GRIP	Cable Range	Part #
	.625 - .750"	793P0CS4
	.750 - .875"	793P0DS1
	.875 - 1.000"	793P0DS3
	1.000 - 1.125"	793P0ES2

POLY HANDLE	Cable Range	Part #
	.39 - 1.18"	513P0D30

POLY HANDLE w/BUILT IN DRAW GRIPS	Cable Range	Part #
	.39 - 1.18"	513P0D30473





Makes connector closures easier.

POLY HANDLE w/CLAMP & BUSHING	Cable Range	Part #
	.750 - .875"	713P0S14
	.875 - 1.000"	713P0S16
	1.000 - 1.125"	713P0S18
	1.125 - 1.250"	713P0S20
	1.250 - 1.375"	713P0S22


ANGLES


POLY ANGLE			
	30°	513M3	
			70° 513M7


METAL ANGLE


	0°	593M0
	30°	593M3
	FS/FD Box 30°	793M3FS
<p>* 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.</p>		
	70°	593M7

BOXES


POLY CONDUIT ENTRY w/NPT			Part #	
	30°	3/4"	513B3N07	For poly devices only * Interior volume with receptacle installed.
	30°	1"	513B3N10	
* 13.5 in ³				

POLY WALL BOX w/ANGLE			Part #	
	70°		513C7000	70° poly boxes are not drilled. Contact customer service if factory drilling is required. * Interior volume with receptacle installed.
* 179.41 in ³				

	Ground Bar	51AA089
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POLY ANGLE WITH METAL BOX w/NPT				
	70°	1/2"	713C7N05	
	70°	3/4"	713C7N07	
	70°	1"	713C7N10	
	70°	1 1/4"	713C7N12	
	70°	1 1/2"	713C7N15	
* 177.7 in ³				

METAL BOX w/NPT			
	0°	1/2"	7T1F0N05
	0°	3/4"	7T1F0N07
	0°	1"	7T1F0N10
	0°	1 1/4"	7T1F0N12


POLY ANGLE WITH METAL BOX w/NPT				
	30°	1/2"	713C3N05	
	30°	3/4"	713C3N07	
	30°	1"	713C3N10	
	30°	1 1/4"	713C3N12	
* 29.6 in ³				

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		
	61-6A346	Set of Two (2) Recommended for cord to cord assembly applications, for easier connector closure.

PROTECTIVE INLET/PLUG CAP		
	31-3A426	For Inlets/Plugs Only.

PADLOCKABLE INLET/PLUG CAP		
	DS3PC	Poly - For Inlets/Plugs Only. -A155 suffix required to maintain water ingress protection.

SPRING-LOADED PADLOCKABLE INLET/PLUG CAP		
	31-3A226	For Inlets/Plugs Only. -A155 suffix required to maintain water ingress protection.

EASY RETROFIT ADAPTER PLATES		
	see pg 162	Mount to existing boxes.

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

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 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 256 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		
Locking Mushroom 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.



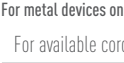


Order Example: 480V DR100 + 2 auxiliary contacts
DR100 Poly inlet 3P+G = 31-68243-K04-972

! See pages 233-242 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
 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 pg 165.

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 #
	30°	514M3
	70°	514M7






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
	30°	3/4"	514B3N07	
	30°	1"	514B3N10	* Interior volume with receptacle installed.
	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	
	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
* 59.4 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.

DR150 Standard Duty Plugs & Receptacles – 150 A

UL/CSA Ratings

- **Max Amperage & Voltage**
150 A, 600 VAC
- **Current Interruption Capability**
For current interrupting up to 250 VAC
 For Switch-Rated devices, see DS & DSN sections.
- **Short Circuit Rating**
65kA
Testing was performed with RK1 current limiting fuses sized at at least 100% of the devices ampacity rating.
- **Environmental Ratings**
Type 4X (Poly Standard)
Type 3R (Metal Standard)
Type 4X (Metal Optional)
- **Temperature Range**
Min -40°F / Max 140°F
See pg 256 for temps below -15°F.
- **Wiring Capacity**
Min 4 AWG Max 2/0 AWG
Aux Contacts - Max 14 AWG
Based on THHN wire sizes
- **Certifications**
UL 1682, CSA 182.1

Receptacle (female)

Inlet (male)



North American UL/CSA Configurations

Voltage	Polarity	Part #		Part #	
		Poly	Metal	Poly	Metal
120V	1P+N+G	31-94235-K16	39-94235-K16	31-98235-K16	39-98235-K16
120 208V	3P+N+G	31-94237-K16	39-94237-K16	31-98237-K16	39-98237-K16
125V	1P+N+G	31-94175-K07	39-94175-K07	31-98175-K07	39-98175-K07
125 250V	2P+N+G	31-94176-K07	39-94176-K07	31-98176-K07	39-98176-K07
208V	2P+G	31-94232-K16	39-94232-K16	31-98232-K16	39-98232-K16
208V	3P+G	31-94233-K16	39-94233-K16	31-98233-K16	39-98233-K16
250V	2P+G	31-94172-K07	39-94172-K07	31-98172-K07	39-98172-K07
250V	3P+G	31-94173-K07	39-94173-K07	31-98173-K07	39-98173-K07
277V	1P+N+G	31-94245-K04	39-94245-K04	31-98245-K04	39-98245-K04
277 480V	3P+N+G	31-94247-K04	39-94247-K04	31-98247-K04	39-98247-K04
347 600V	3P+N+G	31-94187-K14	39-94187-K14	31-98187-K14	39-98187-K14
480V	2P+G	31-94242-K04	39-94242-K04	31-98242-K04	39-98242-K04
480V	3P+G	31-94243-K04	39-94243-K04	31-98243-K04	39-98243-K04
600V	2P+G	31-94182-K14	39-94182-K14	31-98182-K14	39-98182-K14
600V	3P+G	31-94183-K14	39-94183-K14	31-98183-K14	39-98183-K14

Main Options



Receptacle Options

Suffix

Inlet Options

Suffix

With 2 Auxiliary/Pilot Contacts	Recept # - 262	With 2 Auxiliary/Pilot Contacts	Inlet # - 262
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
With 5 Auxiliary/Pilot Contacts	Recept # - 975	With 5 Auxiliary/Pilot Contacts	Inlet # - 975
With 6 Auxiliary/Pilot Contacts	Recept # - 976	With 6 Auxiliary/Pilot Contacts	Inlet # - 976
Type 4X & Closed Lid Configuration	Recept # - 4Xⁱ	Type 4X Watertightness	Inlet # - 4Xⁱ
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		
Locking Mushroom Pawl	Recept # - 845		
Metal Pawl (on poly receptacle)	Recept # - 824		
180° Opening Lid	Recept # - 180++ⁱ		
Closed Lid Configuration	Recept # - NC		
With Auxiliary Switch	Recept # - 270+		

Notes: * Order inlet with P+N+G configuration and receptacle with P+G configuration.
ⁱ Metal devices only.

! See pages 233-242 for detailed information on these options





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

Order Example: 480V DR150 + 2 auxiliary contacts
 DR150 Poly inlet 3P+G = 31-98243-K04-972


INSTALLATION ACCESSORIES – SIZE 5


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

HANDLES


HANDLE w/NPT	Part # Poly	Part # Metal
 3/4"	515P0N07	595P0N07
 Poly 1"	515P0N10	595P0N10
 1 1/4"	515P0N12	595P0N12
 Metal 1 1/2"	515P0N15	595P0N15
For metal devices only 2"	515P0N20	595P0N20

For available cord grips, see pg 165.


POLY HANDLE w/CORD GRIP	Cable Range	Part #
	.980 - 1.260"	715P0EP4
	1.260 - 1.560"	715P0FP1
	1.520 - 1.860"	715P0GP2


METAL HANDLE w/CORD GRIP	Part #
	795P0FS1
	795P0FS2*
	795P0FS3*
For metal devices only 1.688 - 1.812"	795P0GS1

*May require stripping of cable jacket.






METAL OVERSIZED HANDLE w/NPT	Part #
	795P0N07
	795P0N10
	795P0N12
	795P0N15
For metal devices only 2"	795P0N20
	795P0N25

For available cord grips, see pg 165.

SANTOPRENE HANDLE	Part #
	555P0D25
	555P0D35
IP66/IP67 1.378 - 1.771"	555P0D45

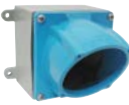
POLY HANDLE w/CLAMP & BUSHING	Part #
	715P0S22
	715P0S25
	715P0S27
	715P0S29

ANGLES


POLY ANGLE	Part #
 30°	515M3
METAL ANGLE	Part #
 0°	595M0
 30°	595M3
 Oversized 30°	795M3
 70°	595M7

Mounts on oversize metal box only. Order with 7T6F0N25XL. See pg 52.

BOXES

POLY ANGLE WITH METAL BOX w/NPT	Part #
 30° 1 1/4"	715C3N12
	715C3N15
	715C3N20
* 108.7 in ³ 30° 2 1/2"	715C3N25

* Interior volume with receptacle installed.

METAL ANGLE WITH METAL BOX w/NPT	Part #
 30° 1 1/4"	795C3N12
	795C3N15
	795C3N20
* 111.8 in ³ 30° 2 1/2"	795C3N25

* Interior volume with receptacle installed.

METAL BOX w/NPT	Part #
 0° 1 1/4"	7T5F0N12
	7T5F0N15
	7T5F0N20
	7T5F0N25

NPT on top or bottom (if rotated). For other NPT configurations, contact customer service.

MISCELLANEOUS ACCESSORIES

PROTECTIVE INLET/PLUG CAP	Part #	Description
	31-9A426	For Inlets/Plugs Only. Covers lockout hole for watertight seal on inlet. Consult Customer Service for availability.

PADLOCKABLE INLET/PLUG CAP	Part #	Description
	DS9MC	Aluminum – For Inlets/Plugs Only. -A155 suffix required to maintain water ingress protection.


CORD GRIP with MESH	Part #
	see pg 165

EASY RETROFIT ADAPTER PLATES	Part #	Description
	see pg 162	Mount to existing boxes.

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

DR250 Standard Duty Plugs & Receptacles – 250 A

UL/CSA Ratings

- **Max Amperage & Voltage**
250 A, 600 VAC
- **Current Interruption Capability**
Not for current interrupting
 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 3R (Standard)
Type 4X (Optional)
- **Temperature Range**
Min -40°F / Max 140°F
See pg 256 for temps below -15°F.
- **Wiring Capacity**
Min 4 AWG Max 4/0 AWG
Aux Contacts - Max 14 AWG
Based on THHN wire sizes
- **Certifications**
UL 1682, CSA 182.1

Receptacle (female)

Easy Closing Mechanism



Standard DR250 lid opens to 90°

Inlet (male)

Tabs for latching to closing mechanism



If you have an existing removable and/or permanently attached drawbar, contact customer service.



Don't forget to add installation accessories to your order

North American UL/CSA Configurations

Voltage	Polarity	Part # Metal	Part # Metal
120V	1P+N+G	39-24235-K16	39-28235-K16
120 208V	3P+N+G	39-24237-K16	39-28237-K16
125V	1P+N+G	39-24035-K07	39-28035-K07
125 250V	2P+N+G	39-24036-K07	39-28036-K07
208V	2P+G	39-24232-K16	39-28232-K16
208V	3P+G	39-24233-K16	39-28233-K16
250V	2P+G	39-24032-K07	39-28032-K07
250V	3P+G	39-24033-K07	39-28033-K07
277V	1P+N+G	39-24245-K04	39-28245-K04
277 480V	3P+N+G	39-24247-K04	39-28247-K04
347 600V	3P+N+G	39-24027-K14	39-28027-K14
480V	2P+G	39-24242-K04	39-28242-K04
480V	3P+G	39-24243-K04	39-28243-K04
600V	2P+G	39-24022-K14	39-28022-K14
600V	3P+G	39-24023-K14	39-28023-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 4 Auxiliary/Pilot Contacts

Recept # - 174+

With 4 Auxiliary/Pilot Contacts

Inlet # - 174+

With 6 Auxiliary/Pilot Contacts

Recept # - 976+

With 6 Auxiliary/Pilot Contacts

Inlet # - 976+

Type 4X & Closed Lid Configuration

Recept # - 4X

Type 4X Watertightness

Inlet # - 4X

Mushroom Pawl

Recept # - 375

For Auxiliary Switch

Inlet # - NNF**

Padlock Pawl

Recept # - 843

With No Lockout Hole

Inlet # - A155

Padlockable Mushroom Pawl

Recept # - 375-843

Locking Mushroom Pawl

Recept # - 845

180° Opening Lid

Recept # - 180+++

Closed Lid Configuration

Recept # - NC

With Auxiliary Switch

Recept # - 270++

Notes: * Customers needing to maintain compatibility with old style -172 auxiliary contacts should use a -172 suffix.

* This option not available with N contact.

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

Notes: * Customers needing to maintain compatibility with old style -172 auxiliary contacts should use a -172 suffix.

* This option not available with N contact.

++ Not UL/CSA listed.

+++ Required when mating to right mounted male inlet.


Order Example: 480V DR250 + 2 auxiliary contacts

DR250 Metal inlet 3P+G = 39-28243-K04-972


See pages 233-242 for detailed information on these options

INSTALLATION ACCESSORIES – SIZE 6

HANDLES

HANDLE w/NPT		Part # Poly	Part # Metal
	1	516P0N10	596P0N10
	1 1/4"	516P0N12	596P0N12
	1 1/2"	516P0N15	596P0N15
	2"	516P0N20	596P0N20
	2 1/2"	516P0N25	596P0N25
	3"	-	596P0N30


For available cord grips, see page 165.

POLY HANDLE w/CORD GRIP	Cable Range	Part #
	1.520 - 1.860"	716P0GP2
	1.850 - 2.190"	716P0GP3*


*May require stripping of cable jacket.

METAL HANDLE w/CORD GRIP		Part #
	1.688 - 1.812"	796P0GS1
	1.812 - 1.938"	796P0GS2*
	1.938 - 2.062"	796P0JS1
	2.062 - 2.188"	796P0JS2
	2.188 - 2.312"	796P0JS3
	2.312 - 2.438"	796P0JS4*
	2.437 - 2.625"	796P0KS1
	2.625 - 2.812"	796P0KS2

*May require stripping of cable jacket.


METAL OVERSIZED HANDLE w/NPT		Part #
	1 1/4"	597P0N12
	1 1/2"	597P0N15
	2"	597P0N20
	2 1/2"	597P0N25
	3"	597P0N30

For available cord grips, see page 165.


SANTOPRENE HANDLE		Part #
	.984 - 1.378"	556P0D35
	1.378 - 1.772"	556P0D45
	1.772 - 1.929"	556P0D49

IP66/IP67


ANGLES

METAL ANGLE		Part #	Notes
	0°	596M0	
	Oversized 45°	796M4	Mounts on oversize metal box only. Order with 7T6F0N25XL.
	60°	596M6	
	Extended 60°	597M6	

BOXES


METAL ANGLE WITH METAL BOX w/NPT		Part #	Notes
	60° 1 1/2"	796C6N15	* Interior volume with receptacle installed.
	60° 2"	796C6N20	
	60° 2 1/2"	796C6N25	

METAL BOX w/NPT		Part #	Notes
	0° 1 1/2"	7T6F0N15	* Interior volume with receptacle installed.
	0° 2"	7T6F0N20	
	0° 2 1/2"	7T6F0N25	

METAL OVERSIZED BOX w/NPT		Part #
	0° 2"	7T6F0N20XL
	0° 2 1/2"	7T6F0N25XL
	0° 3"	7T6F0N30XL


NPT on top or bottom (if rotated). For other NPT configurations, contact customer service.

MISCELLANEOUS ACCESSORIES

PROTECTIVE INLET/PLUG CAP		Part #	Description
		39-2A426	Covers lockout hole for watertight seal on inlet. Consult Customer Service for availability. For Inlets/Plugs Only.

PADLOCKABLE INLET/PLUG CAP		Part #	Description
		DS2MC	Aluminum – For Inlets/Plugs Only. -A155 suffix required to maintain water ingress protection.

CORD GRIP WITH MESH		Part #
		see pg 165

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

DR400 Standard Duty Plugs & Receptacles – 400 A

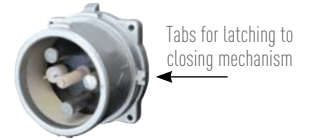
UL/CSA Ratings

- Max Amperage & Voltage**
 400 A Max at 480 VAC
 350 A Max at 600 VAC
- Current Interruption Capability**
 Not for current interrupting
- Short Circuit Rating**
 18kA
 A withstand test was performed with RK1 current limiting fuses sized at at least 100% of the devices ampacity rating.
- Environmental Ratings**
 IP54/IP55*
 *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 256 for temps below -15°F.
- Wiring Capacity**
 Min 2 AWG Max 500 MCM*
 Aux Contacts – 14 AWG (prewired)
 * Wire size to 500 MCM can be accommodated through use of Cable Reducing Adapters. See Accessory Spotlight.
- 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 # Metal	Part # Metal
208V	3P+G+2PIL	39-44163-172	39-48163-172
250V	3P+G+2PIL	39-44073-172	39-48073-172
480V	3P+G+2PIL	39-44043-172	39-48043-172
600V	3P+G+2PIL	39-44143-172*	39-48143-172*

* 350 A only for 600V models
 Other voltage configurations are available - contact customer service at 800-433-7642

Key Feature

Standard Locking Pawl



DR400 receptacles are provided with a screw-type locking pawl that prevents accidental disconnections under load.

Receptacle Options	Suffix #	Inlet Options	Suffix #
IP66/IP67	Recept # - 4X	IP66/IP67	Inlet # - 4X
Closed Lid Configuration	Recept # - NC	With No Lockout Hole	Inlet # -A155

Order Example: DR400 with Cable Reducing Adapters

To accommodate 500 MCM cable, cable reducing adapters and an extended angle with spacer accessory is required.

Typical order: 480V 3P+G+2PIL




! See pages 233-242 for detailed information on these options


INSTALLATION ACCESSORIES – SIZE 7

HANDLES

LARGE HANDLE w/NPT Part #

	2"	5T7P0N20
	2 1/2"	5T7P0N25
	3"	5T7P0N30

LARGE HANDLE w/CORD GRIP w/MESH w/Cable Range

	2.062 - 2.188"	5T7P0JT1
	2.188 - 2.312"	5T7P0JT2
	2.312 - 2.438"	5T7P0JT3*
	2.437 - 2.625"	5T7P0KT1
	2.625 - 2.812"	5T7P0KT2




*May require stripping of cable jacket.

STRAIGHT HANDLE W/BUSHING w/Cable Range

	2.09 - 2.25"	5T7P0D57
	2.25 - 2.44"	5T7P0D62
	2.44 - 2.67"	5T7P0D68
	2.67 - 2.87"	5T7P0D73

ANGLES

METAL ANGLE

	0°	5T7M0	
	Extended 60°	5T7M6	
	Extended 60° with 68 mm spacer.	5T7M6-68	Provides space for Cable Reducing Adapters.


BOXES

METAL ANGLE WITH METAL BOX w/NPT Part #




	0°	2"	7T7F0N20
	0°	2 1/2"	7T7F0N25
	0°	3"	7T7F0N30
	0°	3 1/2"	7T7F0N35
	0°	4"	7T7F0N40

MISCELLANEOUS ACCESSORIES



PROTECTIVE INLET/PLUG CAP

	39-2A426	For Inlet/Plugs Only.
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CABLE REDUCING ADAPTERS

	PT535FX350-3	Reducer for 500 MCM Fine Stranded or Flexible Wire.
	PT500R350-3	Reducer for 500 MCM Coarse Stranded or Building Wire.
	PT400R350-3	Reducer for 400 MCM Wire.

SPACER

	5T7M0-68	68mm (2.68") spacer is used (included) with metal 60° angle.
	5T7M0-115	115mm can be used when mounting to a panel - though the metal straight adapter is preferred.

PADLOCKABLE INLET/PLUG CAP

	DS2MC	Aluminum – For Inlets/Plugs Only. -A155 suffix required to maintain water ingress protection.
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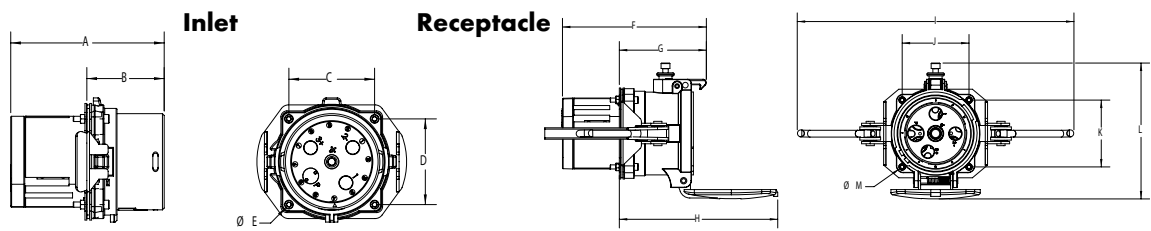
RECEPTACLE LOCKING PIN

	LP-843	Requires Padlockable Pawl option (-843) on receptacle.
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DR / PN

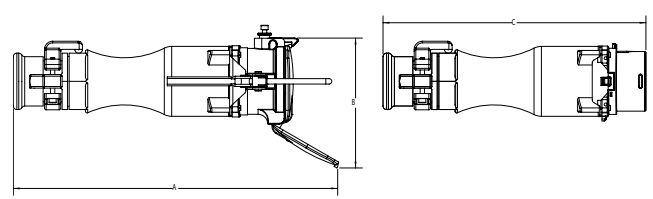
DIMENSIONS – Provided in inches

Dimensions are for reference only and may change depending on accessories used. For precise dimensions contact MELTRIC Engineering.



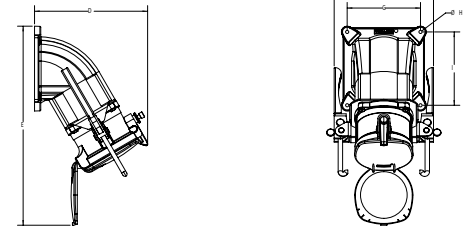
PRODUCT	A	B	C	D	E	F	G	H	I	J	K	L	øM
DR400	6.61	3.48	3.86	3.86	0.26	8.31	5.03	9.15	15.98	3.86	3.86	7.85	0.26

Plug



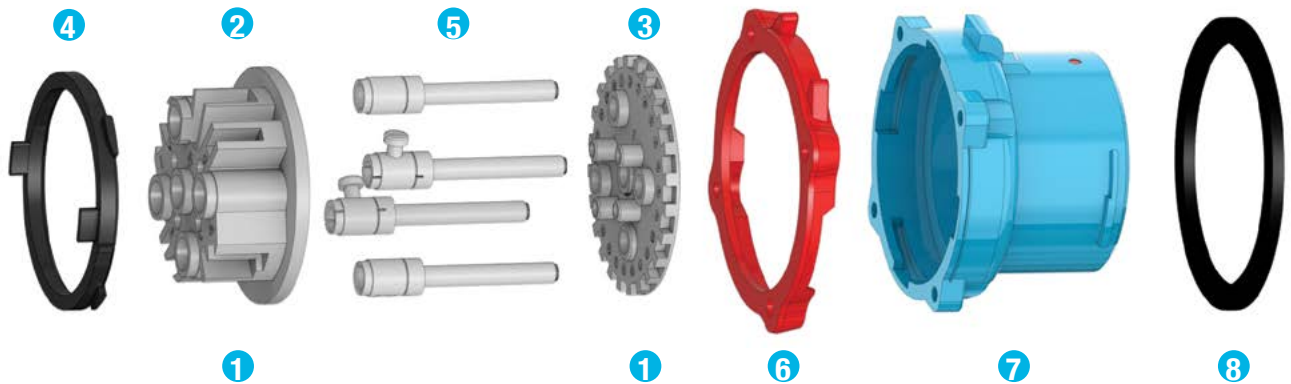
PRODUCT	A	B	C	D
DR400	23.56	9.43	19.10	10.02

Angle/Receptacle



PRODUCT	E	F	G	H	I
DR400	17.64	8.80	6.50	6.50	0.28

DR SPARE PARTS Male Configuration



		DR30 POLY	DR50 POLY	DR100 POLY	DR100 METAL	DR150 POLY	DR150 METAL	DR250 METAL	DR400 METAL
1 Plug Interior***		31-1A010*	31-3A010*	31-6A010*	31-6A010*	61-9A010*	69-9A010*	39-2A010*	-
1 Plug Interior w/Ground Contacts***		-	-	-	39-6A110*	-	69-9A110*	39-2A110*	-
1 Plug Interior with 2 Pilots+		31-1A310-972*	31-3A310-972*	31-6A310-972*	31-6A310-972*	61-9A310-262*	61-9A310-262*	39-2A310-172*	39-4A310-172*
2 Interior Bottom***		31-1A010-B	31-3A010-B	31-6A010-B	31-6A010-B	61-9A551	69-9A551	39-2A010-B	39-4A010-B
3 Interior Top***		31-1A010-T*	31-3A010-T*	31-6A010-T*	31-6A010-T*	61-9A010-T*	69-9A010-T*	39-2A010-T*	39-4A010-T*
4 Polyester Locking Ring		31-1A583	31-3A583	31-6A583	-	31-9A583	-	-	-
4 Metal Locking Ring		-	-	-	39-6A583	-	39-9A583	39-2A583	39-4A583
5 Plug Phase Contact (If no aux. contacts)		31-1A011-380	31-3A011-380	31-6A011	31-6A011	61-9A011	61-9A011	39-2A011	-
5 Plug Phase Contact (If plug has aux. contacts)		31-1A011	31-3A011-380	31-6A011	31-6A011	61-9A011	61-9A011	39-2A011	39-4A011
5 Plug Ground Contact		31-1A019	31-3A019	31-6A019	39-6A019	61-9A019	69-9A019	39-2A019	39-4A019
6 Color-Coded Voltage Gasket	125V	31-1AC26	31-3AC26	31-6AC26	31-6AC26	31-9AC26	31-9AC26	39-2AC26	-
	208V	31-1AB26	31-3AB26	31-6AB26	31-6AB26	31-9AB26	31-9AB26	39-2AB26	-
	250V	31-1AC26	31-3AC26	31-6AC26	31-6AC26	31-9AC26	31-9AC26	39-2AC26	-
	480V	31-1AR26	31-3AR26	31-6AR26	31-6AR26	31-9AR26	31-9AR26	39-2AR26	-
	600V	31-1AN26	31-3AN26	31-6AN26	31-6AN26	31-9AN26	31-9AN26	39-2AN26	-
7 Plug Polyester Casing w/Plug Gasket		31-1A014**	31-3A014**	31-6A014**	-	61-9A014**	-	-	-
7 Plug Metal Casing w/Plug Gasket		-	-	-	39-6A014**	-	39-9A014**	39-2A014**	39-4A014**
8 Type 4X Gasket		31-1A056	31-3A056	31-6A066	39-6A066	-	31-9A066	39-2A056	-

* Voltage and phasing positions must be specified (5th, 6th & 7th digit of Part #) to duplicate your shutter and alignment notches.

** For appropriate labeling on a device, please specify voltage, phasing, and product type.

*** For interiors with pilot contacts, contact Customer Service for part numbers.

+ For interiors with more than 2 pilot contacts, contact Customer Service for part numbers.

DR SPARE PARTS Female Configuration



		DR30 POLY	DR50 POLY	DR100 POLY	DR100 METAL	DR150 POLY	DR150 METAL	DR250 METAL	DR400 METAL	
1	Receptacle Interior***	31-1A020*	31-3A020*	31-6A020*	31-6A020*	61-9A020*	69-9A020*	39-2A020-A06*	-	
1	Recept Interior w/Ground Contacts***	-	-	-	39-6A220*	-	69-9A220*	39-2A220-A06*	-	
1	Receptacle Interior with 2 Pilots+	31-1A320-972*	31-3A320-972*	31-6A320-972*	31-6A320-972*	61-9A320-262*	61-9A320-262*	39-2A320-172-A06*	39-4A320-172*	
2	Interior Bottom***	31-1A020-B	31-3A020-B	31-6A020-B	31-6A020-B	61-9A552	69-9A552	39-2A020-B-A06	39-4A020-B	
3	Interior Top***	31-1A020-T*	31-3A020-T*	31-6A020-T*	31-6A020-T*	61-9A020-T*	69-9A020-T*	39-2A020-T*	39-4A020-T*	
4	Polyester Locking Ring	31-1A583	31-3A583	31-6A583	-	31-9A583	-	-	-	
4	Metal Locking Ring	-	-	-	39-6A583	-	39-9A583	39-2A583	39-4A583	
5	Recept Phase Contact (If no aux. contacts)	31-1A021-380	31-3A021-380	31-6A021	31-6A021	61-9A021	61-9A021	39-2A021-A06	-	
5	Recept Phase Contact (If plug has aux. contacts)	31-1A021	31-3A021-380	31-6A021	31-6A021	61-9A021	61-9A021	39-2A021-A06	39-4A021	
5	Recept Ground Contact	31-1A029	31-3A029	31-6A029	39-6A029	61-9A029	69-9A029	39-2A029-A06	39-4A029	
6	Color-Coded Voltage Gasket	125V	31-1AC26	31-3AC26	31-6AC26	31-6AC26	31-9AC26	31-9AC26	39-2AC26	-
		208V	31-1AB26	31-3AB26	31-6AB26	31-6AB26	31-9AB26	31-9AB26	39-2AB26	-
		250V	31-1AC26	31-3AC26	31-6AC26	31-6AC26	31-9AC26	31-9AC26	39-2AC26	-
		480V	31-1AR26	31-3AR26	31-6AR26	31-6AR26	31-9AR26	31-9AR26	39-2AR26	-
		600V	31-1AN26	31-3AN26	31-6AN26	31-6AN26	31-9AN26	31-9AN26	39-2AN26	-
7	Receptacle Polyester Casing w/Lid	31-1A024**	31-3A024**	31-6A024**	-	61-9A024**	-	-	-	
7	Receptacle Metal Casing with Lid	-	-	-	39-6A024**	-	39-9A024**	39-2A024**	39-4A024** ++	
8	Lid Replacement Kit Polyester	31-1A125	31-3A125	31-6A425	-	61-9A125	-	-	-	
8	Lid Replacement Kit Metal	-	-	-	39-6A925	-	39-9A925	39-2A925	-	
9	Pawl Replacement Kit Polyester	31-1A824	31-3A824	31-6A824	-	61-9A824	-	-	-	
9	Pawl Replacement Kit Metal	39-1A824	39-3A824	39-6A824	39-6A824	69-9A924	39-9A824	39-2A824	-	

* Voltage and phasing positions must be specified (5th, 6th & 7th digit of Part #) to duplicate your shutter and alignment notches.

** For appropriate labeling on a device, please specify voltage, phasing, and product type.

*** For interiors with 2 pilot contacts, contact Customer Service for part numbers.

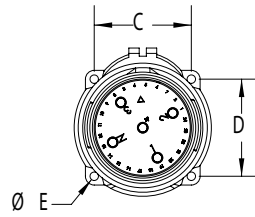
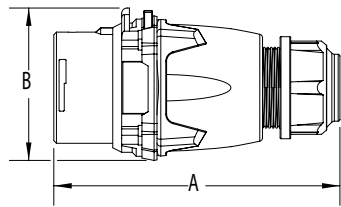
+ For interiors with more than 2 pilot contacts, contact Customer Service for part numbers.

++ For DR 400 Drawbar Accessory contact Customer Service.

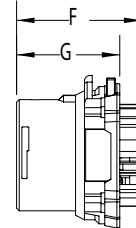
DR DIMENSIONS – Provided in inches

Dimensions are for reference only and may change depending on accessories used. For precise dimensions contact MELTRIC Engineering.

Plug

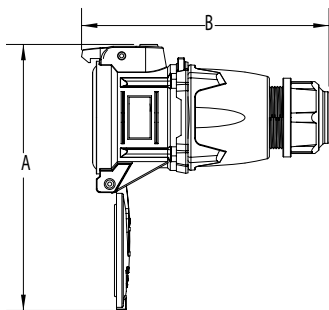


Inlet

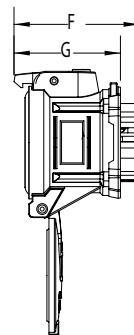
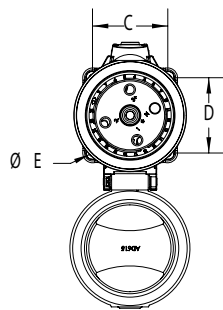


PRODUCT	A	B	C	D	øE	F	G
DR30	5.72	2.79	1.89	1.89	0.20	2.28	1.86
DR50	6.15	3.23	2.17	2.17	0.20	2.93	2.07
DR100/DR7c	6.70	3.77	2.59	2.59	0.24	3.42	2.38
DR150	8.33	4.59	3.20	3.20	0.24	4.14	3.04
DR250	10.30	5.67	3.86	3.86	0.26	4.66	3.20

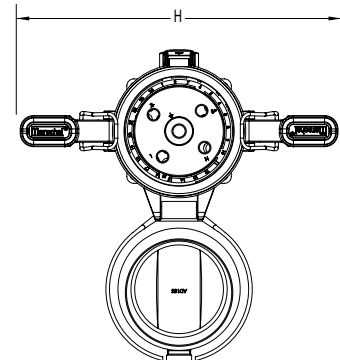
Connector



Receptacle

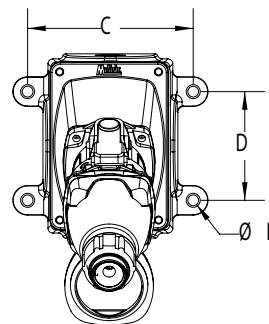
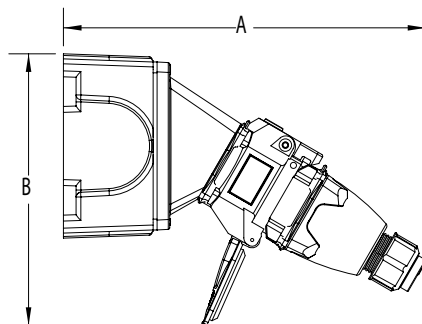


Extended Draw bars



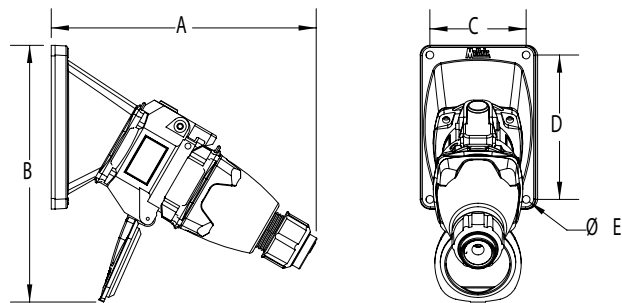
PRODUCT	A	B	C	D	øE	F	G	H
DR30	6.32	6.38	1.89	1.89	0.20	3.30	2.60	N/A
DR50	7.16	6.93	2.17	2.17	0.20	3.73	2.87	N/A
DR100/DR7c	8.46	7.75	2.59	2.59	0.22	4.53	3.37	N/A
DR150	11.04	10.02	3.20	3.20	0.23	5.71	4.74	11.25
DR250	11.54	10.87	3.86	3.86	0.26	6.21	4.75	12.07

Box/30° Angle/ Receptacle/Plug



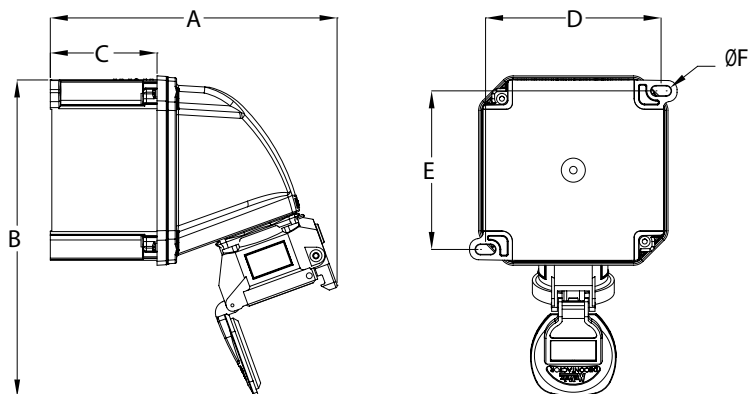
PRODUCT	A	B	C	D	øE
DR30	9.84	7.29	4.19	2.75	0.27
DR50	10.30	8.39	4.19	2.75	0.27
DR100/DR7c	11.87	10.45	5.00	3.81	0.33
DR150	16.06	11.77	6.75	4.25	0.31
DR250	15.76	11.54	8.13	6.38	0.31

30° Angle/Receptacle/Plug



PRODUCT	A	B	C	D	ØE
DR30	7.60	7.87	2.50	3.75	0.22
DR50	8.19	8.44	2.50	3.75	0.22
DR100/DR7c	9.17	10.16	3.43	4.83	0.26
DR150	14.09	12.05	4.83	4.83	0.28
DR250	11.61	15.03	6.50	6.50	0.25

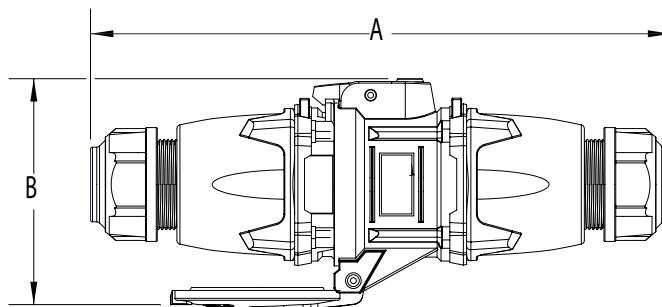
70° Wall Box/ Receptacle



PRODUCT	A	B	C	D	E	ØF
DR30	7.51	8.30	2.80	4.60	4.15	0.26
DR50	7.93	9.51	2.80	4.60	4.15	0.26
DR100/DR7c*	8.91	11.55	2.80	6.17	5.73	0.26

* Box has 4 mounting feet

Plug/Connector



PRODUCT	A	B
DR30	10.20	4.61
DR50	10.91	5.71
DR100/DR7c	12.17	6.57
DR150	19.53	8.03
DR250	23.15	8.00