



STANDARD DUTY

Plugs & Receptacles

MELTRIC Standard Duty plugs and receptacles provide safe, economical, and robust connections for applications up to 400 A. Each device features MELTRIC spring-loaded, silver-nickel, butt-style contacts for consistent and reliable connections. Exclusive safety features ensure operator safety.



DR LARGER AMPERAGE RANGE

- 30 A to 250 A, Type 3R
- Poly or metal casings (most sizes)
- Larger conductor capacities

P. 89



PN COMPACT AND DURABLE

- 15 A to 20 A
- Up to 600 V

P. 105



PNHT HIGH TEMPERATURE APPLICATIONS

- Temperatures up to 465° F
- Up to 30 A, IP44

P. 113



DSDC DIRECT CURRENT

- 30 A to 200 A, Type 3R and Type 4X
- Poly or metal casings

P. 117



DR/PN/DC

DR

Standard Duty



Main Advantages

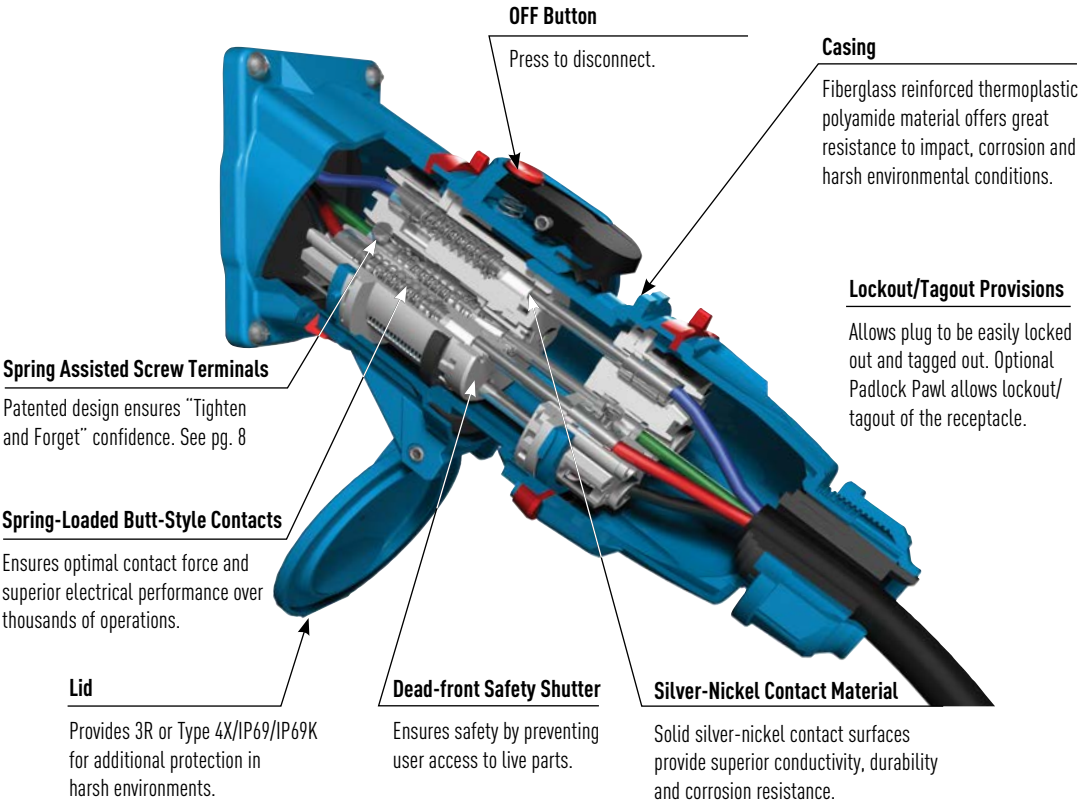
- High amperage capacity
- Up to 6 auxiliary contacts
- Robust metal or poly construction

- Features and Ratings p. 90
- DR30 p. 91
- DR50 p. 93
- DR100 p. 95
- DR150 p. 97
- DR250 p. 99
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PRODUCT FEATURES



General Ratings

Amperage	30 to 400 A
Voltage	600 VAC Max
Frequency	50-400 Hz
Short-Circuit (Withstand)	10 kA to 100 kA*
Environmental	Type 4X/IP69/IP69K Type 3R (DR30 & DR50), 4X optional
Temperature	Min -40°F/Max 140°F

* DR30, 50 and 100 are rated 100 kA; DR150, 250 and 400 are 10 kA to 65 kA. Testing was performed with RK1 current limiting fuses sized to at least 100% of the device's 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	NOM
Plugs and Receptacles	UL 1682	C22.2 No. 182.1	60309-1	NOM-003-SCFI-2014

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.



Rotating the plug 30° counterclockwise closes the safety shutter and frees the plug to be withdrawn from the receptacle.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 - 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**
100 kA
Testing was performed with RK1 current limiting fuses sized at least 100% of the device's ampacity rating.
- **Environmental Ratings**
Type 3R (Standard)
Type 4X (Optional)
- **Temperature Range**
Min -40°F/Max 140°F
See pg 254 for temperatures outside of this range.
- **Wiring Capacity**
Based on THHN wire sizes.
Min 14 AWG Max 8 AWG
Aux Contacts - Max 14 AWG
- **Certifications**
UL 1682, CSA C22.2 NO. 182.1, NOM

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
120 V	1P+N+G	31-14235-K16	31-18235-K16
120 208 V	3P+N+G	31-14237-K16	31-18237-K16
125 V	1P+N+G	31-14175-K07	31-18175-K07
125 250 V	2P+N+G	31-14176-K07	31-18176-K07
208 V	2P+G	31-14232-K16	31-18232-K16
208 V	3P+G	31-14233-K16	31-18233-K16
250 V	2P+G	31-14172-K07	31-18172-K07
250 V	3P+G	31-14173-K07	31-18173-K07
277 V	1P+N+G	31-14245-K04	31-18245-K04
277 480 V	3P+N+G	31-14247-K04	31-18247-K04
347 600 V	3P+N+G	31-14187-K14	31-18187-K14
480 V	2P+G	31-14242-K04	31-18242-K04
480 V	3P+G	31-14243-K04	31-18243-K04
600 V	2P+G	31-14182-K14	31-18182-K14
600 V	3P+G	31-14183-K14	31-18183-K14

For international configurations and ratings (IEC, CE) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Main Options



Auxiliary/Pilot Contacts



Mushroom Pawl



Padlock Pawl



Self-Returning Lid

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

! See pages 231-240 for detailed information on these options

RECEPTACLE OPTIONS

SUFFIX

INLET OPTIONS

SUFFIX

With 2 Auxiliary/Pilot Contacts

Recept # -972

With 2 Auxiliary/Pilot Contacts

Inlet # -972

Type 4X & Self-Returning Lid

Recept # -4X

Type 4X Watertightness

Inlet # -4X

Mushroom Pawl

Recept # -375

Without Lockout Hole

Inlet # -A155

Padlock Pawl

Recept # -843

For Microswitch

Inlet # -270^{3,4}

Screw-Type Locking Pawl

Recept # -845

Notes:

Metal Pawl (on poly receptacle)

Recept # -824

³ Not UL/CSA listed.

Self-Returning Lid (Manual Close)

Recept # -NC

⁴ Not available on 3P+N+G configurations.

With Microswitch

Recept # -270^{3,4}

Order Example: 480 V DR30 + 2 auxiliary contacts

DR30 Poly inlet 3P+G = 31-18243-K04-972



INSTALLATION ACCESSORIES – SIZE 2

When properly installed, all accessories meet or exceed the environmental ratings of the devices they are mounted to; unless otherwise noted.

HANDLES

HANDLE WITH NPT		PART # POLY	PART # METAL
	1/2"	512P0N05	592P0N05
	3/4"	512P0N07	592P0N07
	1"	512P0N10	592P0N10
	1 1/4"	512P0N12	-

For available cord grips, see pg 159.

POLY HANDLE WITH CORD GRIP	CABLE RANGE	PART #
	.350-.520"	712P0BP6
	.520-.680"	712P0CP5
	.680-.980"	712P0DP4
	.980-1.260"	712P0EP4

METAL HANDLE WITH CORD GRIP	CABLE RANGE	PART #
	.438-.500"	792P0BS3
	.500-.562"	792P0BS4
	.562-.625"	792P0CS2
	.625-.750"	792P0CS4
	.770-.875"	792P0DS1
	.870-1.000"	792P0DS3

POLY HANDLE	CABLE RANGE	PART #
	.200-.820"	512P0D21

POLY HANDLE WITH 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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Panel mounting only.

METAL ANGLE	ANGLE	PART #
	0°	592M0
	30°	592M3
	FS/FD 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.

BOXES

POLY CONDUIT ENTRY WITH NPT	ANGLE	SIZE	PART #	Notes
	30°	1/2"	512B3N05	For poly devices only. * Interior volume with receptacle installed.
	30°	3/4"	512B3N07	

* 7.0 in³

POLY WALL BOX WITH ANGLE	ANGLE	PART #	Notes
	70°	512C7000	70° poly boxes are not drilled.

* 82.0 in³

	Ground Bar	51-AA089	* Interior volume with receptacle installed.
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POLY ANGLE WITH METAL BOX WITH 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	
	70°	1 1/2"	712C7N15	

METAL BOX WITH 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 WITH 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 configurations, contact Customer Service.

MISCELLANEOUS ACCESSORIES

FINGER DRAWPLATES	PART #	Notes
	61-3A346	Set of Two (2) Recommended for all 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. In order to achieve max water ingress protection of Type 3R/IP55, spring loaded caps should be ordered with inlets equipped with -A155 suffix.

EASY RETROFIT ADAPTER PLATES	Notes
	see pg 240

Mount to existing boxes.

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

DR50 Standard Duty - 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**
100 kA
Testing was performed with RK1 current limiting fuses sized at least 100% of the device's ampacity rating.
- **Environmental Ratings**
Type 3R (Standard)
Type 4X (Optional)
- **Temperature Range**
Min -40°F/Max 140°F
See pg 254 for temperatures outside of this range.
- **Wiring Capacity**
Based on THHN wire sizes.
Min 14 AWG Max 4 AWG
Aux Contacts - Max 14 AWG
- **Certifications**
UL 1682, CSA C22.2 NO. 182.1, NOM

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
120 V	1P+N+G	31-34235-K16	31-38235-K16
120 208 V	3P+N+G	31-34237-K16	31-38237-K16
125 V	1P+N+G	31-34175-K07	31-38175-K07
125 250 V	2P+N+G	31-34176-K07	31-38176-K07
208 V	2P+G	31-34232-K16	31-38232-K16
208 V	3P+G	31-34233-K16	31-38233-K16
250 V	2P+G	31-34172-K07	31-38172-K07
250 V	3P+G	31-34173-K07	31-38173-K07
277 V	1P+N+G	31-34245-K04	31-38245-K04
277 480 V	3P+N+G	31-34247-K04	31-38247-K04
347 600 V	3P+N+G	31-34187-K14	31-38187-K14
480 V	2P+G	31-34242-K04	31-38242-K04
480 V	3P+G	31-34243-K04	31-38243-K04
600 V	2P+G	31-34182-K14	31-38182-K14
600 V	3P+G	31-34183-K14	31-38183-K14

For international configurations and ratings (IEC, CE) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Main Options



Auxiliary/Pilot Contacts



Mushroom Pawl



Padlock Pawl



Self-Returning Lid

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 & Self-Returning Lid

Recept # -4X

Type 4X Watertightness

Inlet # -4X

Mushroom Pawl

Recept # -375

Without Lockout Hole

Inlet # -A155

Padlock Pawl

Recept # -843

For Microswitch

Inlet # -270^{3,4}

Screw-Type Locking Pawl

Recept # -845

Notes:

Metal Pawl (on poly receptacle)

Recept # -824

³ Not UL/CSA listed.

Self-Returning Lid (Manual Close)

Recept # -NC

⁴ Not available on 3P+N+G configurations.

With Microswitch

Recept # -270^{3,4}

! See pages 231-240 for detailed information on these options

Order Example: 480 V DR50 + 2 auxiliary contacts

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



INSTALLATION ACCESSORIES – SIZE 3

When properly installed, all accessories meet or exceed the environmental ratings of the devices they are mounted to; unless otherwise noted.

HANDLES

HANDLE WITH NPT		PART # POLY	PART # METAL
	1/2"	513P0N05	593P0N05
	3/4"	513P0N07	593P0N07
	1"	513P0N10	593P0N10
	1 1/4"	513P0N12	593P0N12

For available cord grips, see pg 159.

POLY HANDLE WITH CORD GRIP	CABLE RANGE	PART #
	.520-.680"	713P0CP5
	.680-.980"	713P0DP4
	.980-1.260"	713P0EP4

METAL HANDLE WITH CORD GRIP	CABLE RANGE	PART #
	.635-.750"	793P0CS4
	.770-.850"	793P0DS1
	.875-1.000"	793P0DS3
	1.000-1.125"	793P0ES2

POLY HANDLE	CABLE RANGE	PART #
	.390-1.180"	513P0D30

POLY HANDLE WITH BUILT IN DRAWPLATES	CABLE RANGE	PART #
	.390-1.180"	513P0D30473

Makes connector closures easier.

POLY HANDLE WITH 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	ANGLE	PART #	ANGLE	PART #
	30°	513M3		513M7
				Panel mounting only.

METAL ANGLE	ANGLE	PART #
	0°	593M0
	30°	593M3
	FS/FD 30°	793M3FS
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.		
	70°	593M7

BOXES

POLY CONDUIT ENTRY WITH NPT	ANGLE	SIZE	PART #	Notes
	30°	3/4"	513B3N07	For poly devices only. * Interior volume with receptacle installed.
	30°	1"	513B3N10	

* 13.5 in³

POLY WALL BOX WITH ANGLE	ANGLE	PART #	Notes
	70°	513C7000	70° poly boxes are not drilled. * Interior volume with receptacle installed.

* 179.41 in³

	Ground Bar	51-AA089
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POLY ANGLE WITH METAL BOX WITH NPT	ANGLE	SIZE	PART #	Notes
	70°	1/2"	713C7N05	* Interior volume with receptacle installed.
	70°	3/4"	713C7N07	
	70°	1"	713C7N10	
	70°	1 1/4"	713C7N12	
	70°	1 1/2"	713C7N15	

* 177.7 in³

METAL BOX WITH 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 WITH NPT	ANGLE	SIZE	PART #	Notes
	30°	1/2"	713C3N05	For metal angle, replace "71" prefix with "79". * Interior volume with receptacle installed.
	30°	3/4"	713C3N07	
	30°	1"	713C3N10	
	30°	1 1/4"	713C3N12	

* 29.6 in³

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

MISCELLANEOUS ACCESSORIES

FINGER DRAWPLATES	PART #	Notes
	61-6A346	Set of Two (2) Recommended for all assembly applications, for easier connector closure.

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

PADLOCKABLE INLET/PLUG CAP	PART #	Notes
	DS3PC	Poly – For Inlets/Plugs Only.

SPRING-LOADED PADLOCKABLE INLET/PLUG CAP	PART #	Notes
	31-3A226	For Inlets/Plugs Only. In order to achieve max water ingress protection of Type 3R/IP55, spring loaded caps should be ordered with inlets equipped with -A155 suffix.

EASY RETROFIT ADAPTER PLATES	Notes
	see pg 240 Mount to existing boxes.

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

DR100 Standard Duty - 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**
100 kA
Testing was performed with RK1 current limiting fuses sized at at least 100% of the device's ampacity rating.
- **Environmental Ratings**
Type 4X/IP66/IP67/IP69/IP69K
- **Temperature Range**
Min -40°F/Max 140°F
See pg 254 for temperatures outside of this range.
- **Wiring Capacity**
Based on THHN wire sizes.
Min 10 AWG Max 2 AWG
Aux Contacts - Max 14 AWG
- **Certifications**
UL 1682, CSA C22.2 NO. 182.1., NOM

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

For international configurations and ratings (IEC, CE) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Main Options



Auxiliary/Pilot Contacts



Mushroom Pawl



Padlock Pawl



Self-Returning Lid

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

Mushroom Pawl

Recept # -375

Without Lockout Hole

Inlet # -A155

Padlock Pawl

Recept # -843

For Microswitch

Inlet # -270^{3,4}

Screw-Type Locking Pawl

Recept # -845

Note:

Metal Pawl (on poly receptacle)

Recept # -824

³ Not UL/CSA listed.

Self-Returning Lid (Manual Close)

Recept # -NC

⁴ Not available on 3P+N+G configurations.

With Microswitch

Recept # -270^{3,4}

! See pages 231-240 for detailed information on these options

Order Example: 480 V DR100 + 2 auxiliary contacts

DR100 Poly inlet 3P+G = 31-68243-K04-972



INSTALLATION ACCESSORIES – SIZE 4

When properly installed, all accessories meet or exceed the environmental ratings of the devices they are mounted to; unless otherwise noted.

HANDLES

HANDLE WITH 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 available cord grips, see pg 159.

POLY HANDLE WITH CORD GRIP		CABLE RANGE	PART #
		.680-.980"	714P0DP4
		.980-1.260"	714P0EP4
		1.260-1.560"	714P0FP1

METAL HANDLE WITH CORD GRIP		CABLE RANGE	PART #
		.770-.850"	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 #
		.511-1.377"	514P0D35

POLY HANDLE WITH BUILT IN DRAWPLATES		CABLE RANGE	PART #
		.511-1.377"	514P0D35473

Makes connector closures easier.

SANTOPRENE HANDLE		CABLE RANGE	PART #
		.551-.787"	554P0D20L
		.708-.984"	554P0D25L
		.984-1.377"	554P0D35L
		1.377-1.771"	554P0D45L
		1.771-1.929"	554P0D49L

ANGLES

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

METAL ANGLE		ANGLE	PART #
	0°	594M0	
	30°	594M3	
	30°	794M3L	
	Oversized 30°	794M3	Mounts on oversize box only. Order with 7T5F0Nxx. See pg 98.
	70°	594M7	

BOXES

POLY CONDUIT ENTRY WITH NPT			PART #	
	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 WITH ANGLE			
	70°	514C7000	70° poly boxes are not drilled.
* 181.24 in ³			* Interior volume with receptacle installed.
	Ground Bar	51-AA089	

POLY ANGLE WITH METAL BOX WITH NPT				
	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 WITH NPT



0°	1"	7T4F0N10
0°	1 1/4"	7T4F0N12
0°	1 1/2"	7T4F0N15
0°	2"	7T4F0N20

POLY ANGLE WITH METAL BOX WITH NPT				
	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	
51.0 in ³ Poly Angle				
59.4 in ³ Metal Angle				
NPT on top or bottom (if rotated). For other configurations, contact Customer Service.				

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

MISCELLANEOUS ACCESSORIES

FINGER DRAWPLATES		PART #	Notes
		31-6A346	Set of Two (2) Recommended for all 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 on inlet part # to retain 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.

In order to achieve max water ingress protection of Type 3R/IP55, spring loaded caps should be ordered with inlets equipped with -A155 suffix.

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

DR150 Standard Duty - 150 A

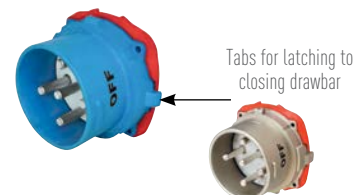
UL/CSA Ratings

- **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**
65 kA
Testing was performed with RK1 current limiting fuses sized at at least 100% of the device's ampacity rating.
- **Environmental Ratings**
Type 4X/IP66/IP67/IP69/IP69K
- **Temperature Range**
Min -40°F/Max 140°F
See pg 254 for temperatures outside of this range.
- **Wiring Capacity**
Based on THHN wire sizes
Min 4 AWG Max 2/0 AWG
Aux Contacts - Max 14 AWG
- **Certifications**
UL 1682, CSA C22.2 NO. 182.1, NOM

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

For international configurations and ratings (IEC, CE) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Main Options



RECEPTACLE OPTIONS

With 2 Auxiliary/Pilot Contacts	Recept # -262
With 4 Auxiliary/Pilot Contacts	Recept # -264
With 6 Auxiliary/Pilot Contacts	Recept # -976
Mushroom Pawl	Recept # -375
Padlock Pawl	Recept # -843
Screw-Type Locking Pawl	Recept # -845
Metal Pawl (on poly receptacle)	Recept # -824
Self-Returning Lid (Manual Close)	Recept # -NC
With Microswitch	Recept # -270^{3,4}

SUFFIX

INLET OPTIONS

With 2 Auxiliary/Pilot Contacts	Inlet # -262
With 4 Auxiliary/Pilot Contacts	Inlet # -264
With 6 Auxiliary/Pilot Contacts	Inlet # -976
Without Lockout Hole	Inlet # -A155
For Microswitch	Inlet # -270^{3,4}

Notes:

³ Not UL/CSA listed.

⁴ Not available on 3P+N+G configurations.

! See pages 231-240 for detailed information on these options

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



INSTALLATION ACCESSORIES – SIZE 5

When properly installed, all accessories meet or exceed the environmental ratings of the devices they are mounted to; unless otherwise noted.

HANDLES

HANDLE WITH NPT		PART # POLY	PART # METAL
	3/4"	515P0N07	595P0N07
	1"	515P0N10	595P0N10
	1 1/4"	515P0N12	595P0N12
	1 1/2"	515P0N15	595P0N15
	2"	515P0N20	595P0N20

For available cord grips, see pg 159.

POLY HANDLE WITH CORD GRIP		CABLE RANGE	PART #
		.980-1.260"	715P0EP4
		1.260-1.560"	715P0FP1
		1.520-1.860"	715P0GP2

METAL HANDLE WITH CORD GRIP		CABLE RANGE	PART #
		1.250-1.375"	795P0FS1
		1.438-1.562"	795P0FS2*
		1.562-1.688"	795P0FS3*
		1.688-1.812"	795P0GS1
			*May require stripping of cable jacket.

OVERSIZED METAL HANDLE WITH NPT		CABLE RANGE	PART #
	3/4"		795P0N07
	1"		795P0N10
	1 1/4"		795P0N12
	1 1/2"		795P0N15
	2"		795P0N20
	2 1/2"		795P0N25

For available cord grips, see pg 159.

SANTOPRENE HANDLE		CABLE RANGE	PART #
		.708-.984"	555P0D25
		.984-1.377"	555P0D35
		1.377-1.771"	555P0D45
		1.771-1.929"	555P0D49

ANGLES

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

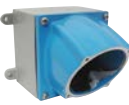
Mounts on oversize metal box only. Order with 7T6F0N25XL. See pg 100.

BOXES

POLY ANGLE WITH METAL BOX WITH NPT			PART #
	30°	1 1/4"	715C3N12
	30°	1 1/2"	715C3N15
	30°	2"	715C3N20
	30°	2 1/2"	715C3N25

* 108.7 in³

* Interior volume with receptacle installed.

METAL ANGLE WITH METAL BOX WITH NPT			PART #
	30°	1 1/4"	795C3N12
	30°	1 1/2"	795C3N15
	30°	2"	795C3N20
	30°	2 1/2"	795C3N25

* 111.8 in³

* Interior volume with receptacle installed.

METAL BOX WITH NPT			PART #
	0°	1 1/4"	7T5F0N12
	0°	1 1/2"	7T5F0N15
	0°	2"	7T5F0N20
	0°	2 1/2"	7T5F0N25

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

MISCELLANEOUS ACCESSORIES

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

PADLOCKABLE INLET/PLUG CAP		DESCRIPTION
	DS9MC	Aluminum – For Inlets/Plugs Only. -A155 suffix required on inlet part # to retain water ingress protection.

CORD GRIP WITH OPTIONS		DESCRIPTION
	see pg 159	

EASY RETROFIT ADAPTER PLATES		DESCRIPTION
	see pg 240	Mount to existing boxes.

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

DR250 Standard Duty - 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**
10 kA
Testing was performed with RK1 current limiting fuses sized at at least 100% of the device's ampacity rating.
- **Environmental Ratings**
Type 4X/IP66/IP67/IP69/IP69K
- **Temperature Range**
Min -40°F/Max 140°F
See pg 254 for temperatures outside of this range.
- **Wiring Capacity**
Based on THHN wire sizes
Min 4 AWG Max 4/0 AWG
Aux Contacts - Max 14 AWG
- **Certifications**
UL 1682, CSA C22.2 NO. 182.1, NOM

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

For international configurations and ratings (IEC, CE) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Main Options



Auxiliary/Pilot Contacts



Mushroom Pawl



Padlock Pawl



Self-Returning Lid

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

RECEPTACLE OPTIONS

SUFFIX

INLET OPTIONS

SUFFIX

With 2 Auxiliary/Pilot Contacts

Recept # -972⁷

With 4 Auxiliary/Pilot Contacts

Recept # -174⁶

With 6 Auxiliary/Pilot Contacts

Recept # -976⁶

Mushroom Pawl

Recept # -375

Padlock Pawl

Recept # -843

Screw-Type Locking Pawl

Recept # -845

Self-Returning Lid (Manual Close)

Recept # -NC

With Microswitch

Recept # -270^{3,4}

With 2 Auxiliary/Pilot Contacts

Inlet # -972⁷

With 4 Auxiliary/Pilot Contacts

Inlet # -174⁶

With 6 Auxiliary/Pilot Contacts

Inlet # -976⁶

For Microswitch

Inlet # -270^{3,4}

Without Lockout Hole

Inlet # -A155

Notes:

³ Not UL/CSA listed.

⁴ Not available on 3P+N+G configurations.

⁶ This option not available with N contact.

⁷ Customers needing to maintain compatibility with old style -172 auxiliary contacts should use a -172 suffix.

See pages 231-240 for detailed information on these options

Order Example: 480 V DR250 + 2 auxiliary contacts

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



INSTALLATION ACCESSORIES – SIZE 6

When properly installed, all accessories meet or exceed the environmental ratings of the devices they are mounted to; unless otherwise noted.

HANDLES

HANDLE WITH 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 pg 159.

POLY HANDLE WITH CORD GRIP	CABLE RANGE	PART #
	1.520-1.860"	716P0GP2
	1.850-2.190"	716P0GP3*

*May require stripping of cable jacket.

METAL HANDLE WITH CORD GRIP	CABLE RANGE	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.

STRAIGHT HANDLE	CABLE RANGE	PART #	NPT	PART #
	1.57-1.97"	5K6P0D50	1 1/2"	5K6P0N15L
	2.01-2.36"	5K6P0D60	2"	5K6P0N20L
	2.40-2.76"	5K6P0D70	2 1/2"	5K6P0N25L
	2.79-3.15"	5K6P0D80	3"	5K6P0N30L

OVERSIZED METAL HANDLE WITH NPT

	1 1/4"	796P0N12
	1 1/2"	796P0N15
	2"	796P0N20
	2 1/2"	796P0N25
	3"	796P0N30

For available cord grips, see pg. 159.

SANTOPRENE HANDLE

	.984-1.377"	556P0D35
	1.377-1.771"	556P0D45
	1.771-1.929"	556P0D49

ANGLES

METAL ANGLE	ANGLE	PART #	NOTES
	0°	596M0	
	45°	796M4	Mounts on oversize metal box only.
	60°	596M6	
	60° EXTENDED	597M6	

BOXES

METAL ANGLE WITH METAL BOX WITH NPT	ANGLE	CABLE RANGE	PART #	NOTES
	60°	1 1/2"	796C6N15	* Interior volume with receptacle installed.
	60°	2"	796C6N20	
	60°	2 1/2"	796C6N25	

METAL BOX WITH NPT

	0°	1 1/2"	7T6F0N15
	0°	2"	7T6F0N20
	0°	2 1/2"	7T6F0N25

METAL OVERSIZED BOX WITH NPT

	0°	2"	7T6F0N20XL
	0°	2 1/2"	7T6F0N25XL
	0°	3"	7T6F0N30XL

NPT on top or bottom (if rotated). For other 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.

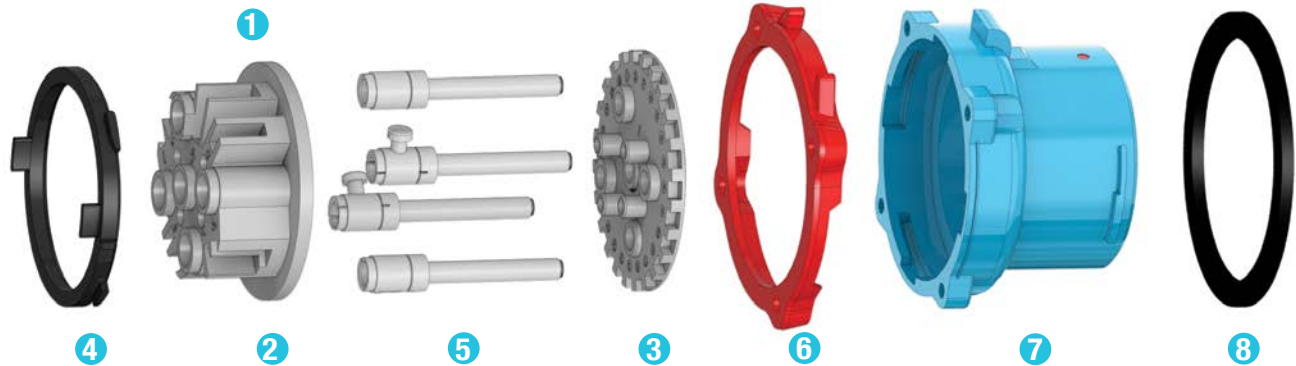
PADLOCKABLE INLET/PLUG CAP	PART #	DESCRIPTION
	DS2MC	Aluminum – For Inlets/Plugs Only. -A155 suffix required on inlet part # to retain water ingress protection.

CORD GRIP WITH OPTIONS	DESCRIPTION
	see pg 159

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

DR Spare Parts

Male Configuration



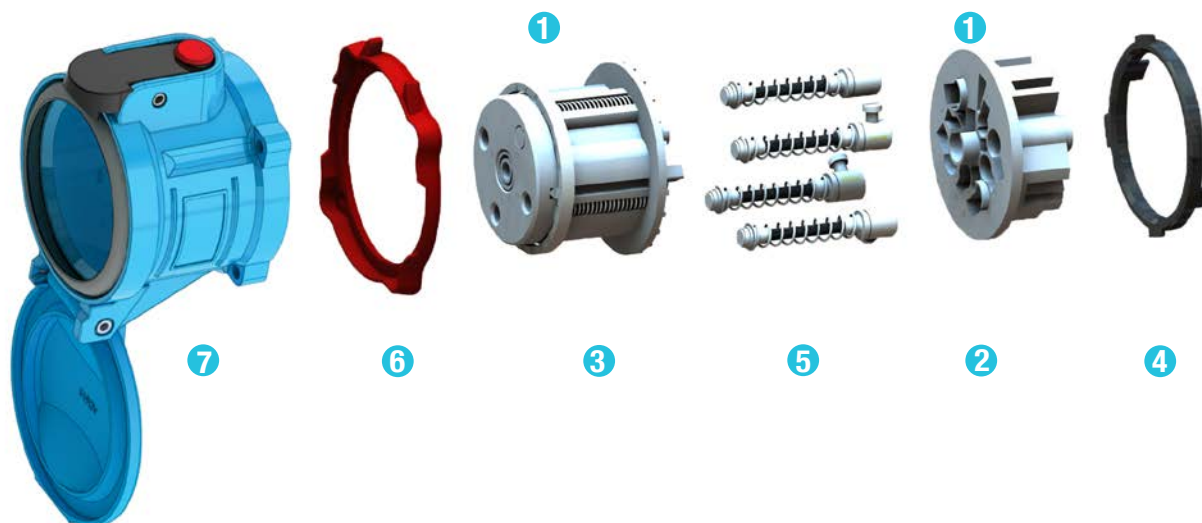
		DR30 POLY	DR50 POLY	DR100 POLY	DR100 METAL	DR150 POLY	DR150 METAL	DR250 METAL
1	Plug Insulator	31-1A010*	31-3A010*	31-6A010*	39-6A010*	31-9A010*	39-9A010*	39-2A010*
2	Insulator Bottom	31-1A010-B	31-3A010-B	31-6A010-B	39-6A010-B	31-9A010-B	39-6A010-B	39-2A010-B
3	Insulator Top	31-1A010-T*	31-3A010-T*	31-6A010-T*	39-6A010-T	31-9A010-T*	39-9A010-T*	39-2A010-T*
4	Locking Ring	31-1A583	31-3A583	31-6A583	39-6A583	31-9A583	39-9A583	39-2A583
5	Plug Phase Contact	31-1A011	31-3A011	31-6A011	39-6A011	31-9A011	39-9A011	39-2A011
5	Plug Pilot Contact	31-1A011-972	31-3A011-972	31-6A011-972	39-6A011-972	31-9A011-972	39-9A011-972	39-2A011-972
5	Plug Ground Contact	31-1A019	31-3A019	31-6A019	39-6A019	61-9A019	39-9A019	39-2A019
6	Color-Coded Voltage Gasket	 31-1AJ26	31-3AJ26	31-6AJ26	39-6AJ26	31-9AJ26	39-9AJ26	39-2AJ26
		 31-1AC26	31-3AC26	31-6AC26	39-6AC26	31-9AC26	39-9AC26	39-2AC26
		 31-1AB26	31-3AB26	31-6AB26	39-6AB26	31-9AB26	39-9AB26	39-2AB26
		 31-1AR26	31-3AR26	31-6AR26	39-6AR26	31-9AR26	39-9AR26	39-2AR26
		 31-1AN26	31-3AN26	31-6AN26	39-6AN26	31-9AN26	39-9AN26	39-2AN26
7	Plug Casing	31-1A014*	31-3A014*	31-6A014*	39-6A014*	31-9A014*	39-9A014*	39-2A014*
8	Type 4X Gasket	31-1A056	31-3A056	-	-	-	-	-

* Please provide full part number for accurate part alignment.

Part numbers in catalog are for current revisions, others may be available upon request.

For replacement parts contact Customer Service at 800-433-7642.

Female Configuration



		DR30 POLY	DR50 POLY	DR100 POLY	DR100 METAL	DR150 POLY	DR150 METAL	DR250 METAL
1	Receptacle Insulator	31-1A020*	31-3A020*	31-6A020*	39-6A020*	31-9A020*	39-9A020*	39-2A020*
2	Insulator Bottom	31-1A020-B	31-3A320	31-6A020-B	39-6A020-B	31-9A020-B	39-9A020-B	39-2A020-B
3	Insulator Top	31-1A020-T*	31-3A020-T*	31-6A020-T*	39-6A020-T*	31-9A020-T*	39-9A020-T*	39-2A020-T*
4	Locking Ring	31-1A583	31-3A583	31-6A583	39-6A583	31-9A583	39-9A583	39-2A583
5	Receptacle Phase Contact	31-1A021	31-3A021	31-6A021	39-6A021	31-9A021	39-9A021	39-2A021
5	Receptacle Pilot Contact	31-1A021-972	31-3A021-972	31-6A021-972	39-6A021-972	31-9A021-972	39-9A021-972	39-2A021-972
5	Receptacle Ground Contact	31-1A019	31-3A029	31-6A029	39-6A029	31-9A029	39-9A029	39-2A029
6	Color-Coded Voltage Gasket		31-1AJ26	31-3AJ26	31-6AJ26	31-9AJ26	39-9AJ26	39-2AJ26
			31-1AC26	31-3AC26	31-6AC26	31-9AC26	39-9AC26	39-2AC26
			31-1AB26	31-3AB26	31-6AB26	31-9AB26	39-9AB26	39-2AB26
			31-1AR26	31-3AR26	31-6AR26	31-9AR26	39-9AR26	39-2AR26
			31-1AN26	31-3AN26	31-6AN26	31-9AN26	39-9AJ26	39-2AN26
7	Receptacle Casing	31-1A024*	31-3A024*	31-6A024*	39-6A024*	31-9A024*	39-9A024*	39-2A024*
	Lid Replacement Kit	31-1A125	31-3A125	31-6A125	39-6A925	31-9A125	39-9A925	39-2A925
	Pawl Replacement Kit Polyester	31-3A824	31-3A824	31-6A824	-	31-9A824	-	-
	Pawl Replacement Kit Metal	31-1A924	31-3A924	31-6A924	39-6A824	31-9A924	39-9A824	39-2A824
	Drawbar Replacement Kit	-	-	-	-	31-9A726	39-9A726	39-2A726

* Please provide full part number for accurate part alignment

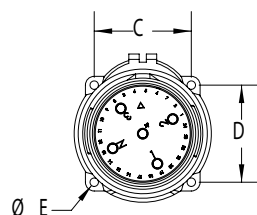
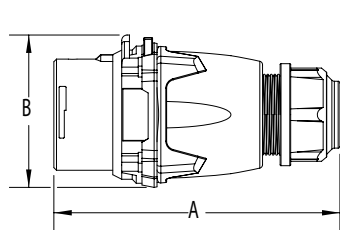
Part numbers in catalog are for current revisions, others may be available upon request.

For replacement parts contact Customer Service at 800-433-7642.

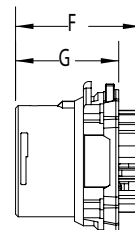


Dimensions are for reference only and may change depending on accessories used. For precise dimensions contact MELTRIC Engineering.

Plug

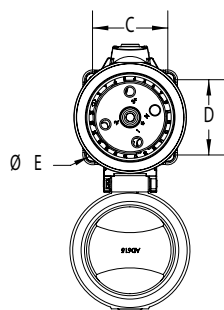
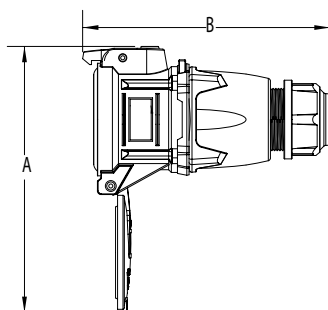


Inlet

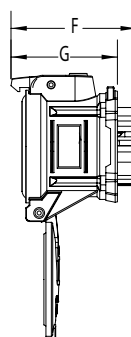


PRODUCT	A	B	C	D	ØE	F	G
DR30	5.72	2.79	1.89	1.89	0.20	2.28	1.86
DR50	6.15	3.23	2.17	2.17	0.20	2.93	2.07
DR100/DR7c	6.70	3.77	2.59	2.59	0.24	3.42	2.38
DR150	8.33	4.59	3.20	3.20	0.24	4.14	3.04
DR250	10.30	5.67	3.86	3.86	0.26	4.66	3.20

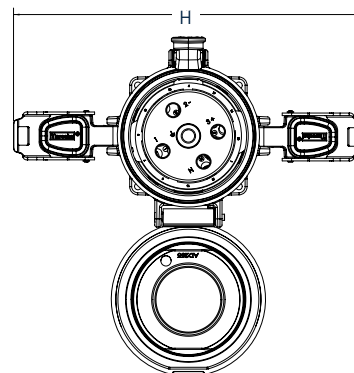
Connector



Receptacle



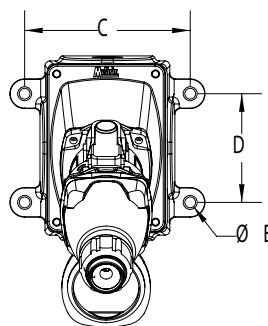
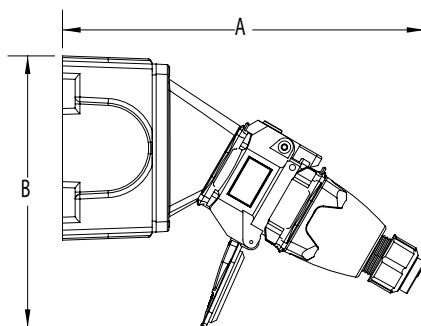
Extended Draw bars



PRODUCT	A	B	C	D	ØE	F	G	H
DR30	6.32	6.38	1.89	1.89	0.20	3.30	2.6	N/A
DR50	7.16	6.93	2.17	2.17	0.20	3.73	2.87	N/A
DR100/DR7c	8.46	7.90	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	12.70	10.87	3.86	3.86	0.26	6.21	4.75	12.07

Box/30° Angle/ Receptacle/Plug

Dimensions for DR250 include 60° angle.

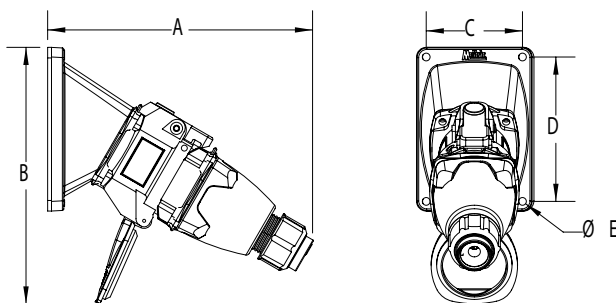


PRODUCT	A	B	C	D	ØE
DR30	9.85	7.60	4.19	2.75	0.27
DR50	10.48	8.20	4.19	2.75	0.27
DR100/DR7c	11.87	10.74	5.00	3.81	0.33
DR150	16.06	10.33	6.75	4.25	0.31
DR250	15.76	12.70	8.13	6.38	0.31



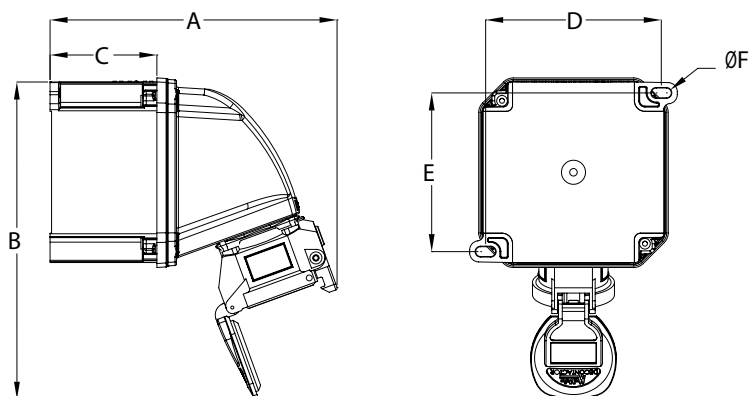
30° Angle/Receptacle/Plug

Dimensions for DR250 include 60° angle.



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	10.45	3.43	4.83	0.26
DR150	14.09	12.05	4.83	4.83	0.28
DR250	11.61	16.20	6.50	6.50	0.25

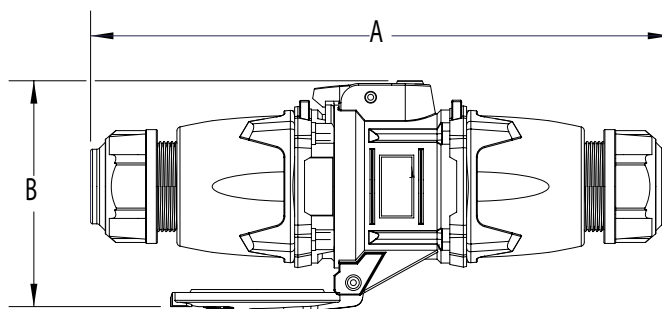
70° Wall Box/Receptacle



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*	9.07	12.70	2.80	6.17	5.73	0.26

* Box has 4 mounting feet

Plug/Connector

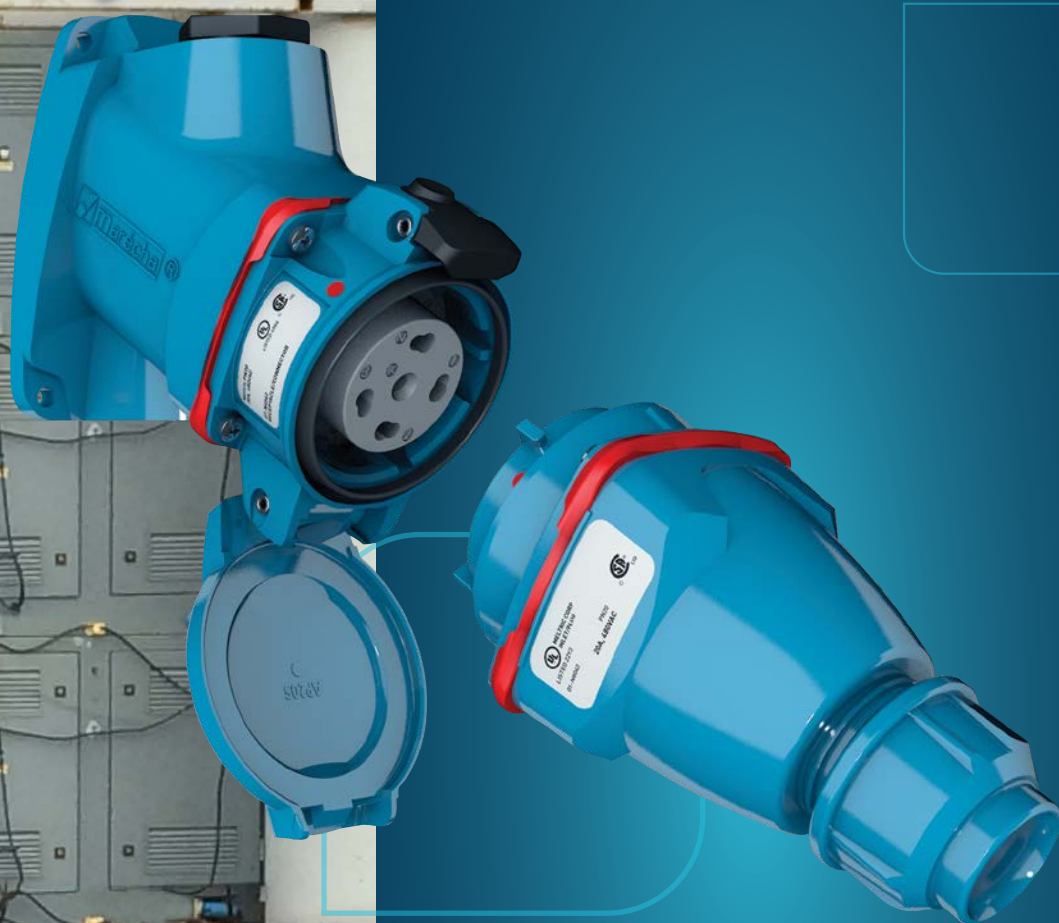


PRODUCT	A	B
DR30	10.20	4.61
DR50	10.91	5.71
DR100/DR7c	12.17	6.57
DR150	19.53	8.03
DR250	23.15	8.00



PN

Standard Duty



Main Advantages

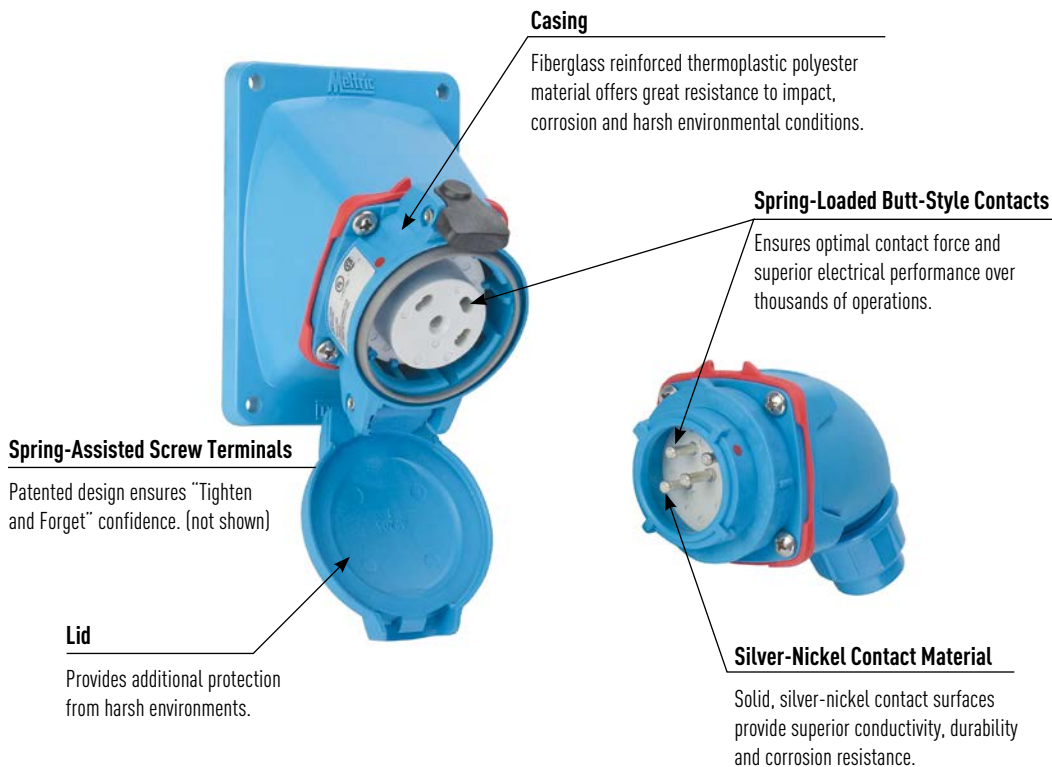
- Compact yet durable device
- Spring-loaded, silver-nickel contacts
- Spring-assisted elliptical deforming ring at terminals are unaffected by vibrations and thermal cycling

- Features and Ratings p. 106
- PN20 p. 107
- Spare Parts p. 109
- Dimensions p. 111

SCAN
ME >>



PRODUCT FEATURES



Operating Instructions



To break the circuit and remove the plug, press the pawl, apply inward force and rotate the plug clockwise.



The plug can be safely withdrawn from the receptacle. The plug contacts remain shrouded until after the circuit is broken.



To reconnect, align the red dots on the plug and receptacle bodies, insert plug into the receptacle, apply insertion force and rotate the plug 20° counterclockwise.

DR/PN/DC

General Ratings

Amperage	20 A
Voltage	600 VAC Max
Frequency	50-400 Hz
Environmental	4X/IP66/IP67
Temperature	Min -40°F/Max 140°F [465° PNHT pg. 113]

Current Interruption Listings

Model	Current Interruption Capabilities
PN20	For current interrupting

Highlighted Feature

PN Contact



PN devices feature silver-nickel, spring-loaded, butt-style contacts for superior durability and electrical performance.

Listings

Category	UL	CSA	IEC	NOM
Plugs and Receptacles	UL 1682	C22.2 No. 182.1*	60309-1	NOM-003-SCFI-2014

*PN20 A devices are UL and CSA listed for current interrupting. PNHT devices are not UL/CSA listed.

PN20 Compact - 20 A

UL/CSA Ratings

- **Max Amperage & Voltage**
20 A, 600 VAC
- **Current Interruption Capability**
20 A Current Interrupting
(up to 480 VAC)
15 A Current Interrupting
(600 VAC)
- **Environmental Ratings**
Type 4X/IP66/IP67
- **Temperature Range**
Min -40°F/Max 140°F
See pg 254 for temperatures outside
of this range.
- **Wiring Capacity**
Based on THHN wire sizes.
Min 14 AWG Max 8 AWG
- **Certifications**
UL 1682, CSA C22.2 NO. 182.1,
NOM

Notes: 600V devices are rated
for current interrupting
up to 15 A only.

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
120 V	1P+N+G	01-N4165	09-N4165	01-N8165	09-N8165
120 208 V	3P+N+G	01-N4167	09-N4167	01-N8167	09-N8167
125 V	1P+N+G	01-N4075	09-N4075	01-N8075	09-N8075
125 250 V	2P+N+G	01-N4076	09-N4076	01-N8076	09-N8076
208 V	2P+G	01-N4162	09-N4162	01-N8162	09-N8162
208 V	3P+G	01-N4163	09-N4163	01-N8163	09-N8163
250 V	2P+G	01-N4072	09-N4072	01-N8072	09-N8072
250 V	3P+G	01-N4073	09-N4073	01-N8073	09-N8073
277 V	1P+N+G	01-N4045	09-N4045	01-N8045	09-N8045
277 480 V	3P+N+G	01-N4047	09-N4047	01-N8047	09-N8047
347 600 V	3P+N+G	01-N4147	09-N4147	01-N8147	09-N8147
480 V	2P+G	01-N4042	09-N4042	01-N8042	09-N8042
480 V	3P+G	01-N4043	09-N4043	01-N8043	09-N8043
600 V	2P+G	01-N4142	09-N4142	01-N8142	09-N8142
600 V	3P+G	01-N4143	09-N4143	01-N8143	09-N8143

For international configurations and ratings (IEC, CE) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.

Main Options



**Reverse
Interiors**



Flush Mount
(replaces female
casing)



Locking Pawl

RECEPTACLE OPTIONS

SUFFIX

INLET OPTIONS

SUFFIX

Reverse Interiors

Recept # -001

Reverse Interiors

Inlet # -001

With Flush Mount (poly only)

Recept # -142*

Locking Pawl

Recept # -824-300

Self-Returning Lid (Manual Close)

Recept # -NC

Notes: * no environmental rating

Order Example: 480 V PN20 + reverse interiors

Receptacle: PN20 Receptacle 3P+G=01-N4043-**001**

Example shows a receptacle casing with male contacts.



! See pages 231-240 for detailed
information on these options



INSTALLATION ACCESSORIES – SIZE 1

When properly installed, all accessories meet or exceed the environmental ratings of the devices they are mounted to; unless otherwise noted.

HANDLES

HANDLE WITH NPT		PART # POLY	PART # METAL
	1/2"	511P0N05	791P0N05L
	3/4"	511P0N07	791P0N07L
	1"	511P0N10	791P0N10L

For available cord grips, see pg 159.

POLY HANDLE WITH CORD GRIP	CABLE RANGE	PART #
	.350-.520"	711P0BP6
	.520-.680"	711P0CP5
	.680-.980"	711P0DP4

METAL HANDLE WITH CORD GRIP	CABLE RANGE	PART #
	.438-.500"	791P0BS3L
	.500-.562"	791P0BS4L
	.562-.625"	791P0CS1L
	.625-.750"	791P0CS4L
	.750-.875"	791P0DS1L
	.875-1.000"	791P0DS3L

POLY 90° HANDLE WITH NPT	PART #
	1/2" 751P9N05
	3/4" 751P9N07
	1" 751P9N10

POLY HANDLE	PART #
	.350-.700" 511P0D18

POLY ANGLED HANDLE	PART #
	.354-.708" 511P6D18

ANGLES

POLY ANGLE	PART #
 MB Box 30°	511M3

 70°	511M7	Panel mounting only.
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METAL ANGLE	PART #
 0°	591M0

 FS/FD Box 30°	791M3FS	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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 45°	591M4
---	-------

BOXES

POLY CONDUIT ENTRY WITH NPT	PART #
 30° 1/2"	511B3N05
* 7.0 in ³ 30° 3/4"	511B3N07

POLY WALL BOX WITH NPT	PART #
 0° 1/2"	511B0N05
* 3.4 in ³ 0° 3/4"	511B0N07

METAL WALL BOX WITH NPT	PART #
 0° 1/2"	591B0N05
* 3.8 in ³ 0° 3/4"	591B0N07

POLY WALL BOX WITH ANGLE	PART #
 70°	511C7000

70° poly boxes are not drilled.

* 82.0 in ³	Ground Bar	51-AA089
------------------------	------------	----------

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

POLY ANGLE WITH METAL BOX WITH NPT	PART #
 30° 1/2"	711C3N05
30° 3/4"	711C3N07
30° 1"	711C3N10
* 30.0 in ³ 30° 1 1/4"	711C3N12

METAL ANGLE WITH METAL BOX WITH NPT	PART #
 45° 1/2"	791C4N05
45° 3/4"	791C4N07
45° 1"	791C4N10
* 27.0 in ³ 45° 1 1/4"	791C4N12

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

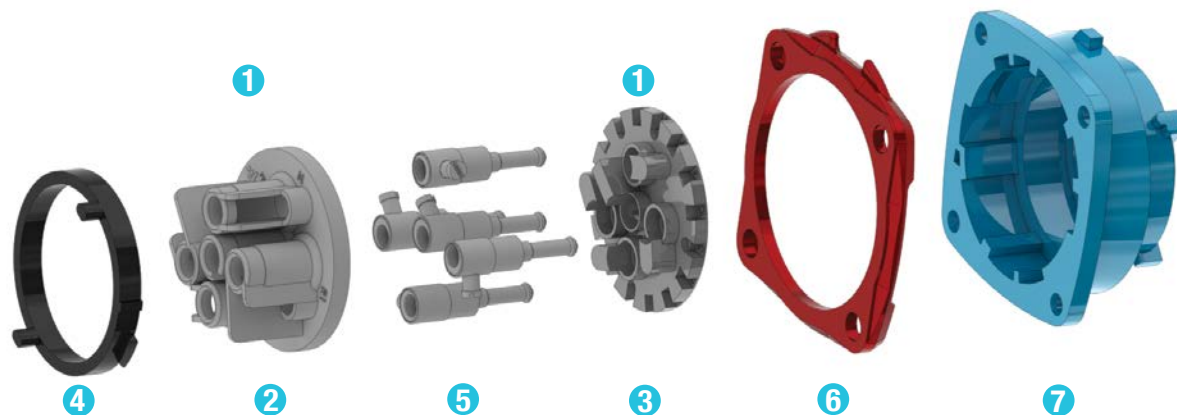
MISCELLANEOUS ACCESSORIES

PROTECTIVE INLET/PLUG CAP	PART #	For Inlets/Plugs Only.
	01-NA426	

FLUSH MOUNT	PART #
	01-2A142

PN Spare Parts

Male Configuration



		PN20 POLY	PN20 METAL	PNHT HT METAL
1	Plug Insulator	01-NA010	09-NA010	09-2A010-185
2	Insulator Bottom	01-NA010-B	09-NA010-B	09-2A010-185-B
3	Insulator Top	01-NA010-T	09-NA010-T	09-2A010-185-T
4	Locking Ring	01-NA583	09-NA583	09-2A583-185
5	Plug Contact	01-NA011	09-NA011	09-2A011-185
5	Plug Ground Contact	01-NA019	09-NA019	09-2A019-185
6	Color-Coded Voltage Gasket	 01-NAJ26	09-NAJ26	-
		 01-NAC26	09-NAC26	-
		 01-NAB26	09-NAB26	-
		 01-NAR26	09-NAR26	-
		 01-NAN26	09-NAN26	-
7	Plug Casing	01-NA014	09-NA014	09-2A014-185

Please provide full part number for accurate part alignment.

Part numbers in catalog are for current revisions, others may be available upon request.

For replacement parts contact Customer Service at 800-433-7642.

Female Configuration

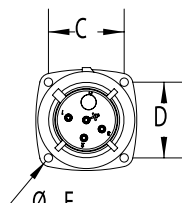
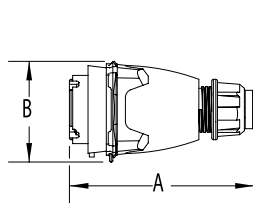
	PN20 POLY	PN20 METAL	PNHT HT METAL
1 Receptacle Insulator	01-NA020	09-NA020	09-2A020-185
2 Insulator Bottom	01-NA020-B	09-NA020-B	09-2A020-185-B
3 Insulator Top	01-NA020-T	09-NA020-T	09-2A020-185-T
4 Locking Ring	01-NA583	09-NA583	09-2A583-185
5 Receptacle Contact	01-NA021	09-NA021	09-2A021-185
5 Receptacle Ground Contact	01-NA029	09-NA029	09-2A029-185
6 Color-Coded Voltage Gasket		01-NAJ26	09-NAJ26
		01-NAC26	09-NAC26
		01-NAB26	09-NAB26
		01-NAR26	09-NAR26
		01-NAN26	09-NAN26
7 Receptacle Casing w/Lid	01-NA024	09-NA024	09-2A024-185

Please provide full part number for accurate part alignment.
 Part numbers in catalog are for current revisions, others may be available upon request.
 For replacement parts contact Customer Service at 800-433-7642.

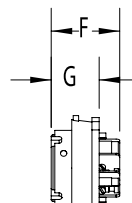


Dimensions are for reference only and may change depending on accessories used. For precise dimensions contact MELTRIC Engineering.

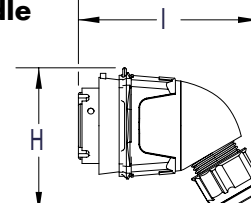
Plug



Inlet



Plug Angled Handle

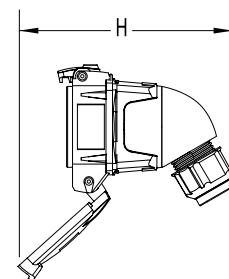
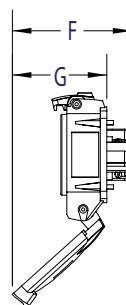
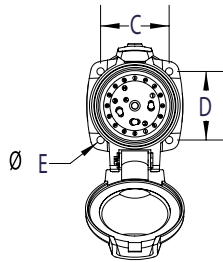
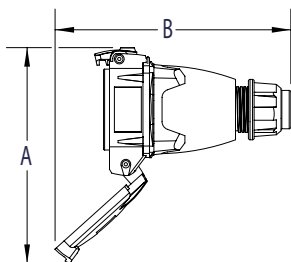


PRODUCT	A	B	C	D	E	F	G	H	I
PN	4.33	2.4	1.65	1.65	0.18	1.5	1.14	3.9	3.17

Connector

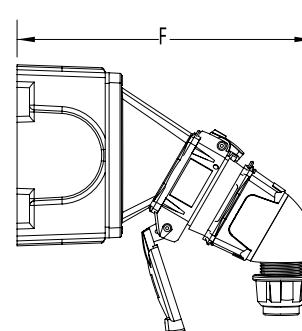
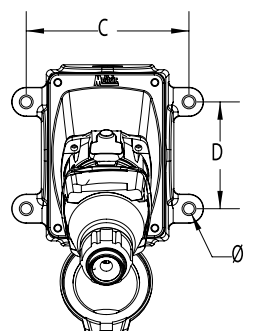
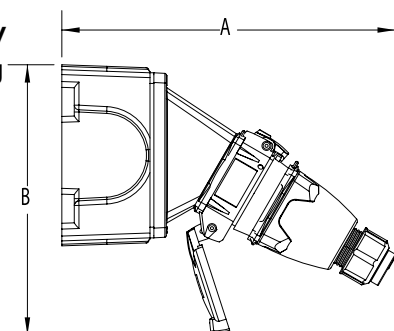
Receptacle

Connector Angled Handle



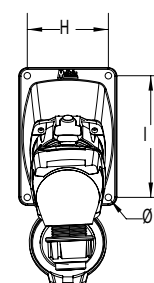
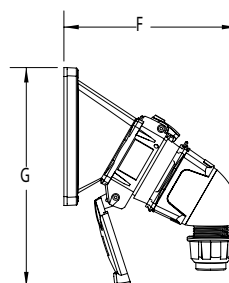
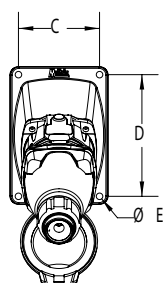
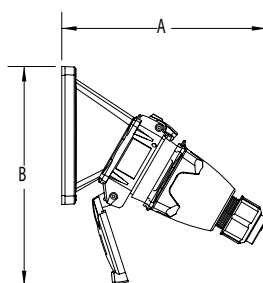
PRODUCT	A	B	C	D	E	F	G	H
PN	5.51	5.69	1.65	1.65	0.18	1.93	1.38	4.17

Box/30° Angle/Receptacle/Plug



PRODUCT	A	B	C	D	E	F
PN	8.59	6.96	4.19	2.75	0.27	7.6

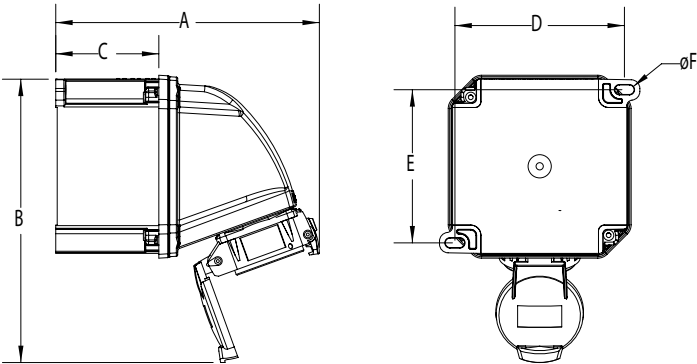
30° Angle/Receptacle/Plug



PRODUCT	A	B	C	D	øE	F	G	H	I	J
PN	6.32	6.76	2.5	3.75	0.2	5.33	6.76	2.5	3.75	0.2

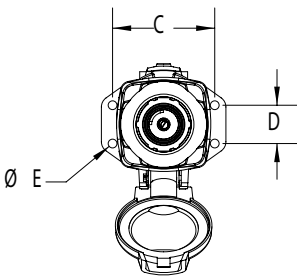
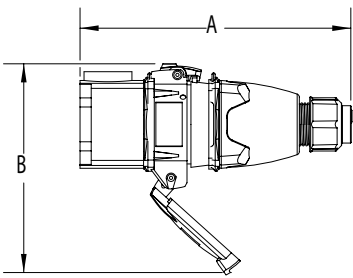


70° Wall Box/Receptacle

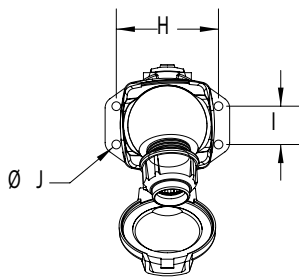
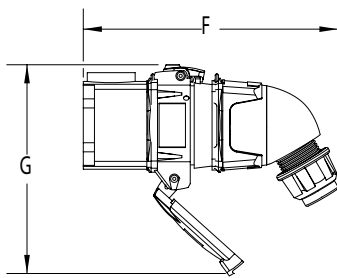


PRODUCT	A	B	C	D	E	F
PN	7.13	7.63	2.80	4.60	4.15	0.26

Straight Wall Box/Receptacle/Plug

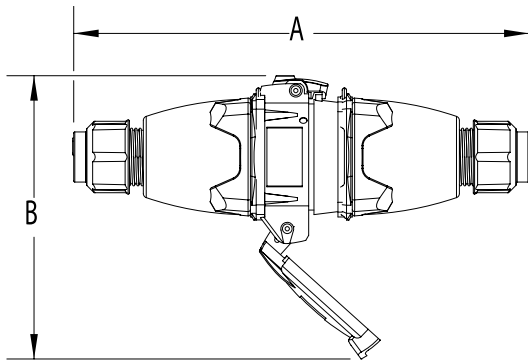


Straight Wall Box/Receptacle/
Plug/Angled Handle



PRODUCT	A	B	C	D	ØE	F	G	H	I	J
PN	6.68	5.15	2.52	0.95	0.22	6.28	5.15	2.52	0.95	0.22

Connector/Plug



PRODUCT	A	B
PN	8.37	5.21

