

DS Switch-Rated



Main Advantages

- Switch & hp rated (AC only)
- 65 kA to 100 kA short circuit rated*
- Up to 6 auxiliary contacts
- Amperage ratings up to 200 A
- Metal or Poly construction

* See note under General Ratings on the next page.

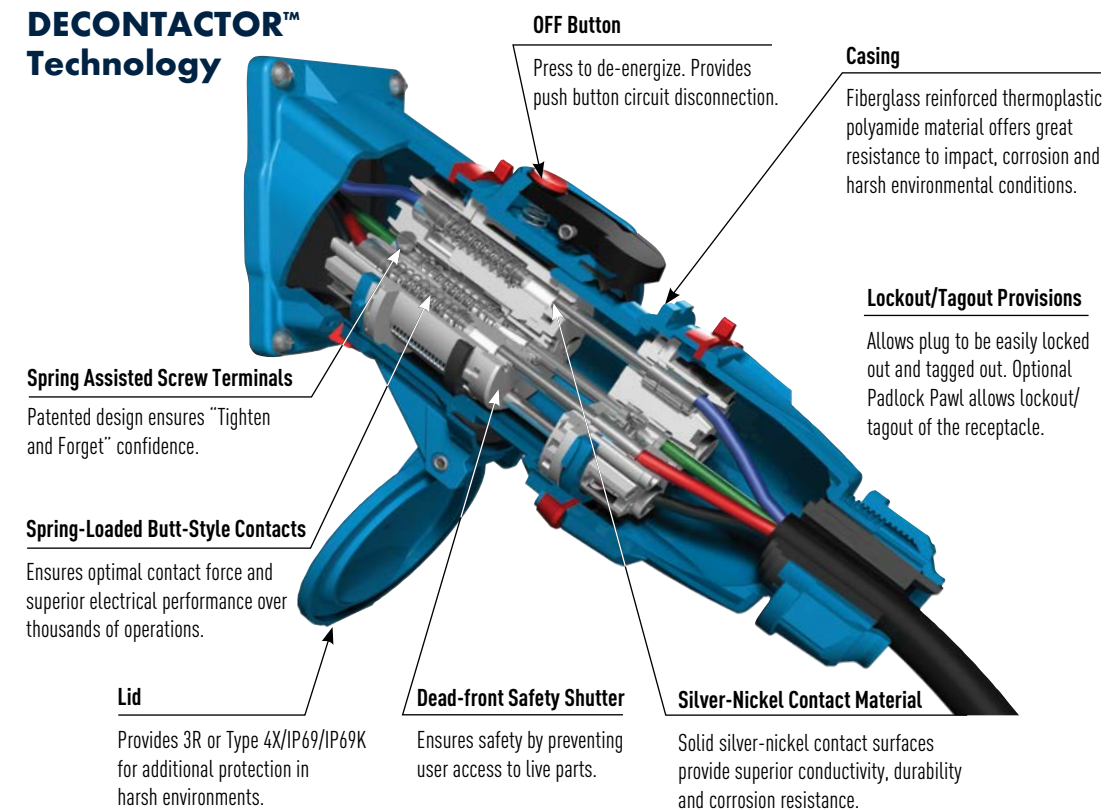
- Features and Ratings p. 42
- DS20 p. 43
- DS30 p. 45
- DS60 p. 47
- DS100 p. 49
- DS200 p. 51
- Spare Parts p. 53
- Dimensions p. 55

SCAN
ME >>



PRODUCT FEATURES

DECONTACTOR™ Technology



General Ratings

Amperage	20 to 200 A
Voltage	600 VAC Max
Frequency	50-400 Hz
Horsepower	.75 to 100 hp
Short-Circuit (Make & Withstand)	10 kA to 100 kA*
Environmental	Type 3R or Type 4X/IP69/IP69K
Temperature	Min -40°F/Max 140°F

* DS20, 30, 60 are rated 100 kA. DS200 is rated 10 kA. Testing was performed with RK1 current limiting fuses sized at 400% of the highest full load motor ampacity associated with the devices hp rating.

* DS100 and DS200 are rated 65 kA. Testing was performed with RK5 time delay fuses sized at 100% of the device's rated ampacity.

Listings

Category	UL	CSA	IEC	NOM
Plugs and Receptacles	UL 1682	C22.2 No. 182.1	60309-1	NOM-003-SCFI-2014
Branch Circuit Disconnect Switching (AC only)	UL Subject 2682 (Performance tests from UL 98)	UL Subject 2682	60947-3, AC22, AC23	
Motor Circuit Disconnect Switching (AC only)	UL Subject 2682 (Performance tests from UL 98)	UL Subject 2682	60947-3, AC22, AC23	

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 de-energized.



Rotating the de-energized plug 30° counterclockwise closes the safety shutter and frees the plug to be withdrawn from the receptacle.

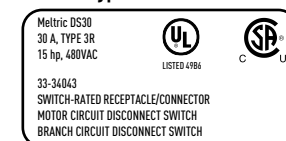


The plug and the receptacle are separated. The safety shutter prevents access to live parts.

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

Highlighted Feature

Typical Device Labels



MELTRIC DS Series Switch-Rated devices are UL & CSA rated for motor circuit and branch circuit disconnect switching – up to 100 hp and up to 200 A.

DS20 Switch-Rated - 20 A

UL/CSA Ratings

- **Max Amperage & Voltage**
20 A, 600 VAC
- **Switch-Rating (AC Only)**
Branch Circuit & Motor Circuit Disconnect Switching
- **Horsepower Ratings**

120 V	1Ø	.75 hp
240 V	1Ø	1.5 hp
208 V	3Ø	3 hp
240 V	3Ø	5 hp
480 V	3Ø	7.5 hp
600 V	3Ø	10 hp
- **Short Circuit Rating**
100 kA Close & Withstand
Tested with RK1 current limiting fuses sized at 400% of the highest full load motor ampacity.
- **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 Contact - 14 AWG
- **Certifications**
UL 2682, UL 1682,
CSA C22.2 NO. 182.1, NOM



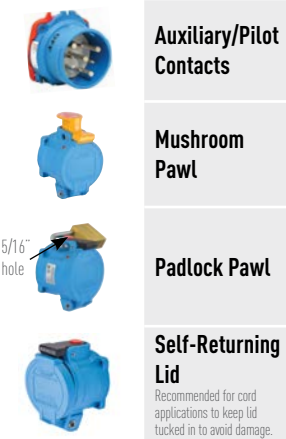
! Don't forget to add installation accessories to your order

North American UL/CSA Configurations

VOLTAGE	POLARITY	PART # POLY	PART # POLY
120 V	1P+N+G	33-14165	33-18165
120 208 V	3P+N+G	33-14167	33-18167
125 V	1P+N+G	33-14075	33-18075
125 250 V	2P+N+G	33-14076	33-18076
208 V	2P+G	33-14162	33-18162
208 V	3P+G	33-14163	33-18163
250 V	2P+G	33-14072	33-18072
250 V	3P+G	33-14073	33-18073
277 V	1P+N+G	33-14045	33-18045
277 480 V	3P+N+G	33-14047	33-18047
347 600 V	3P+N+G	33-14147	33-18147
480 V	2P+G	33-14042	33-18042
480 V	3P+G	33-14043	33-18043
600 V	2P+G	33-14142	33-18142
600 V	3P+G	33-14143	33-18143

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

Main 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
Straight Insertion	Recept # -352 ²	Self-Ejecting Plug Release**	Inlet # -338
Self-Ejecting Connector Release**	Recept # -354 ²	Without Lockout Hole	Inlet # -A155
Mushroom Pawl	Recept # -375	For Microswitch	Inlet # -270 ^{3,4}
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}		

Notes:

** For self-ejecting connectors and plugs, a 443 suffix must be added to all handles except the Poly Handle with NPT and Poly Handle with Cord Grip as these handles come with an integrated cable guide.

See pages 233-234 for more information.

² This option includes the Self-Returning Lid.

³ Not UL/CSA listed.

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

Order Example: 208 V DS20 + 2 auxiliary contacts
DS20 Poly inlet 2P+G = 33-18162-972

DS20

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
 Poly 1/2"	512P0N05	592P0N05
3/4"	512P0N07	592P0N07
1"	512P0N10	592P0N10
 Metal 1 1/4"	512P0N12	-
For available cord grips, see pg 159.		
POLY HANDLE WITH CORD GRIP	CABLE RANGE	PART #
 NEW	.350-.520"	712P0BP6
	.520-.680"	712P0CP5
	.680-.980"	712P0DP4
	.980-1.260"	712P0EP4
METAL HANDLE WITH CORD GRIP		
	.438-.500"	792P0BS3
	.500-.562"	792P0BS4
	.562-.625"	792P0CS2
	.625-.750"	792P0CS4
	.770-.875"	792P0DS1
	.870-1.000"	792P0DS3
POLY HANDLE		
	.200-.820"	512P0D21
POLY HANDLE WITH CLAMP & BUSHING		
	.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		
 30°	512M3	
 70°	512M7	Panel mounting only.
METAL ANGLE		
 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	PART #	
 30° 1/2"	512B3N05	For poly devices only
30° 3/4"	512B3N07	* Interior volume with receptacle installed.
POLY WALL BOX WITH ANGLE		
 70°	512C7000	70° poly boxes are not drilled.
 * 82.0 in ³		* Interior volume with receptacle installed.
POLY ANGLE WITH METAL BOX WITH NPT		
 70° 1/2"	712C7N05	
70° 3/4"	712C7N07	* Interior volume with receptacle installed.
70° 1"	712C7N10	
70° 1 1/4"	712C7N12	
70° 1 1/2"	712C7N15	
METAL BOX WITH NPT		
 0° 1/2"	7T1F0N05	
0° 3/4"	7T1F0N07	
0° 1"	7T1F0N10	
0° 1 1/4"	7T1F0N12	
POLY ANGLE WITH METAL BOX WITH NPT		
 30° 1/2"	712C3N05	* Interior volume with receptacle installed.
30° 3/4"	712C3N07	
30° 1"	712C3N10	
30° 1 1/4"	712C3N12	
* 28.7 in ³		

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

MISCELLANEOUS ACCESSORIES

FINGER DRAWPLATES		
 61-3A346	Set of Two (2)	Recommended for cord to cord assembly applications, for easier connector closure.
PROTECTIVE INLET/PLUG CAP		
 31-1A426	For Inlets/Plugs Only.	
PADLOCKABLE INLET/PLUG CAP		
 DS1PC	For Inlets/Plugs Only.	
SPRING-LOADED PADLOCKABLE INLET/PLUG CAP		
 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		
 see pg 240	Mount to existing boxes.	
RECEPTACLE LOCKING PIN		
 LP-843	Requires Padlockable Pawl option (-843) on receptacle.	

DS30 Switch-Rated - 30 A

UL/CSA Ratings

- Max Amperage & Voltage
30 A, 600 VAC
- Switch-Rating (AC Only)
Branch Circuit & Motor Circuit
Disconnect Switching
- Horsepower Ratings

120 V	1Ø	1.5 hp
240 V	1Ø	3 hp
208 V	3Ø	5 hp
240 V	3Ø	5 hp
480 V	3Ø	15 hp
600 V	3Ø	15 hp
- Short Circuit Rating
100 kA Close & Withstand
Tested with RK1 current limiting
fuses sized at 400% of the highest
full load motor ampacity.
- 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 - 14 AWG
- Certifications
UL 2682, 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	33-34165	33-38165
120 208 V	3P+N+G	33-34167	33-38167
125 V	1P+N+G	33-34075	33-38075
125 250 V	2P+N+G	33-34076	33-38076
208 V	2P+G	33-34162	33-38162
208 V	3P+G	33-34163	33-38163
250 V	2P+G	33-34072	33-38072
250 V	3P+G	33-34073	33-38073
277 V	1P+N+G	33-34045	33-38045
277 480 V	3P+N+G	33-34047	33-38047
347 600 V	3P+N+G	33-34147	33-38147
480 V	2P+G	33-34042	33-38042
480 V	3P+G	33-34043	33-38043
600 V	2P+G	33-34142	33-38142
600 V	3P+G	33-34143	33-38143

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

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
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
Straight Insertion	Recept # -352 ²	Self-Ejecting Plug Release**	Inlet # -338
Self-Ejecting Connector Release**	Recept # -354 ²	Without Lockout Hole	Inlet # -A155
Mushroom Pawl	Recept # -375	For Microswitch	Inlet # -270 ^{3,4}
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}		

Notes:

** For self-ejecting connectors and plugs, a 443 suffix must be added to the handle part number. See pages 233-234 for more information.

² This option includes the Self-Returning Lid.

³ Not UL/CSA listed.

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

Order Example: 480 V DS30 + 2 auxiliary contacts

DS30 Poly inlet 3P+G = 33-38043-972

Handle Option
Guide
pgs 237-238

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 #
 30°	513M3	
 70°	513M7	

Panel mounting only.

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

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 #
 30° 1/2"	513B3N05	For poly devices only	
 30° 3/4"	513B3N07	* Interior volume with receptacle installed.	
 30° 1"	513B3N10		

* 13.5 in³

POLY WALL BOX WITH ANGLE	ANGLE	PART #
 70°	513C7000	70° poly boxes are not drilled.

* 179.41 in³

POLY ANGLE WITH METAL BOX WITH NPT	ANGLE	SIZE	PART #
 70° 1/2"	713C7N05		
 70° 3/4"	713C7N07	* Interior volume with receptacle installed.	
 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 #
 30° 1/2"	713C3N05		
 30° 3/4"	713C3N07	* Interior volume with receptacle installed.	
 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 #	DESCRIPTION
 61-6A346	Set of Two (2) Recommended for cord to cord assembly applications, for easier connector closure.	

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

PADLOCKABLE INLET/PLUG CAP	PART #	DESCRIPTION
 DS3PC	For Inlets/Plugs Only.	

SPRING-LOADED PADLOCKABLE INLET/PLUG CAP	PART #	DESCRIPTION
 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	PART #	DESCRIPTION
 see pg 240	Mount to existing boxes.	

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

45 MELTRIC

MELTRIC 46

DS60 Switch-Rated - 60 A

- UL/CSA Ratings
- Max Amperage & Voltage
60 A, 600 VAC
 - Switch-Rating (AC Only)
Branch Circuit & Motor Circuit
Disconnect Switching
 - Horsepower Ratings

120 V	1Ø	3 hp
240 V	1Ø	5 hp
208 V	3Ø	10 hp
240 V	3Ø	10 hp
480 V	3Ø	25 hp
600 V	3Ø	25 hp
 - Short Circuit Rating
100 kA Close & Withstand
Tested with RK1 current limiting
fuses sized at 400% of the highest
full load motor ampacity.
 - 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 - Prewired 14 AWG
 - Certifications
UL 2682, UL 1682,
CSA C22.2 NO. 182.1, NOM

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 (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	33-64165	37-64165	33-68165	37-68165
120 208 V	3P+N+G	33-64167	37-64167	33-68167	37-68167
125 V	1P+N+G	33-64075	37-64075	33-68075	37-68075
125 250 V	2P+N+G	33-64076	37-64076	33-68076	37-68076
208 V	2P+G	33-64162	37-64162	33-68162	37-68162
208 V	3P+G	33-64163	37-64163	33-68163	37-68163
250 V	2P+G	33-64072	37-64072	33-68072	37-68072
250 V	3P+G	33-64073	37-64073	33-68073	37-68073
277 V	1P+N+G	33-64045	37-64045	33-68045	37-68045
277 480 V	3P+N+G	33-64047	37-64047	33-68047	37-68047
347 600 V	3P+N+G	33-64147	37-64147	33-68147	37-68147
480 V	2P+G	33-64042	37-64042	33-68042	37-68042
480 V	3P+G	33-64043	37-64043	33-68043	37-68043
600 V	2P+G	33-64142	37-64142	33-68142	37-68142
600 V	3P+G	33-64143	37-64143	33-68143	37-68143

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

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
Straight Insertion	Recept # -352 ²	Self-Ejecting Plug Release**	Inlet # -338
Self-Ejecting Connector Release**	Recept # -354 ²	Without Lockout Hole	Inlet # -A155
Mushroom Pawl	Recept # -375	For Microswitch	Inlet # -270 ^{3,4}
Padlock Pawl	Recept # -843	Notes:	
Screw-Type Locking Pawl	Recept # -845	** For self-ejecting connectors and plugs, a 443 suffix must be added to the handle part number. See pages 233-234 for more information.	
Metal Pawl (on Poly Receptacle)	Recept # -824	² This option includes the Self-Returning Lid.	
Self-Returning Lid (Manual Close)	Recept # -NC	³ Not UL/CSA listed.	
With Microswitch	Recept # -270 ^{3,4}	⁴ Not available on 3P+N+G configurations.	

Order Example: 480 V DS60 + 2 auxiliary contacts
DS60 Poly inlet 3P+G = 33-68043-972

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		
	.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		
	.511-1.377"	514P0D35

POLY HANDLE WITH BUILT IN DRAWPLATES		
	.511-1.377"	514P0D35473

Makes connector closures easier.

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

ANGLES

POLY ANGLE					
	30°	514M3		70°	514M7 panel mounting only

METAL ANGLE			
	0°	594M0	
	30°	594M3	
	30°	794M3L	
	30° Oversized	794M3	Mounts on oversize box only. Order with 7T5F0Nxx. See pg 52.
	70°	594M7	

BOXES

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

POLY WALL BOX WITH ANGLE		PART #	
	70°	514C7000	70° poly boxes are not drilled. * Interior volume with receptacle installed.

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	

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	

MISCELLANEOUS ACCESSORIES

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

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

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

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

DS100 Switch-Rated - 100 A

- UL/CSA Ratings
- **Max Amperage & Voltage**
100 A, 600 VAC

• **Switch-Rating (AC Only)**
Branch Circuit & Motor Circuit Disconnect Switching

• **Horsepower Ratings**

120 V

240 V

208 V

240 V

480 V

1Ø

1Ø

3Ø

3Ø

3Ø

3 hp

7.5 hp

10 hp

10 hp

30 hp

• **Short Circuit Rating**
100 kA Close & Withstand
Testing was performed with 225 A RK1 non-time delay Mersen fuses.
10 kA Close & Withstand
Testing was performed with 400 A RK1 non-time delay Mersen fuses.

• **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 - Prewired 14 AWG

• **Certifications**
UL 2682, UL 1682,
CSA C22.2 NO. 182.1, NOM
- 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 (female)

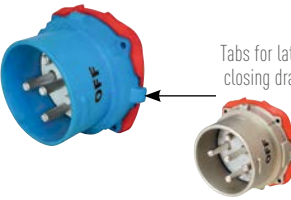


Easy closing drawbar

Lid opens to 180°

Poly casing shown

Inlet (male)



Tabs for latching closing drawbar
- North American UL/CSA Configurations

VOLTAGE	POLARITY	PART #		PART #	
		POLY	METAL	POLY	METAL
120 V	1P+N+G	33-94165	37-94165	33-98165	37-98165
120 208 V	3P+N+G	33-94167	37-94167	33-98167	37-98167
125 V	1P+N+G	33-94075	37-94075	33-98075	37-98075
125 250 V	2P+N+G	33-94076	37-94076	33-98076	37-98076
208 V	2P+G	33-94162	37-94162	33-98162	37-98162
208 V	3P+G	33-94163	37-94163	33-98163	37-98163
250 V	2P+G	33-94072	37-94072	33-98072	37-98072
250 V	3P+G	33-94073	37-94073	33-98073	37-98073
277 V	1P+N+G	33-94045	37-94045	33-98045	37-98045
277 480 V	3P+N+G	33-94047	37-94047	33-98047	37-98047
347 600 V	3P+N+G	33-94147	37-94147	33-98147	37-98147
480 V	2P+G	33-94042	37-94042	33-98042	37-98042
480 V	3P+G	33-94043	37-94043	33-98043	37-98043
600 V	2P+G	33-94142	37-94142	33-98142	37-98142
600 V	3P+G	33-94143	37-94143	33-98143	37-98143
- For international configurations and ratings (IEC,CE) visit meltric.com/international-catalog or contact Customer Service at 800-433-7642.
- | RECEPTACLE OPTIONS | SUFFIX # | INLET OPTIONS | SUFFIX # |
|-----------------------------------|------------------------------|--|-----------------------------|
| With 2 Auxiliary/Pilot Contacts | Recept # -262 | With 2 Auxiliary/Pilot Contacts | Inlet # -262 |
| With 4 Auxiliary/Pilot Contacts | Recept # -264 | With 4 Auxiliary/Pilot Contacts | Inlet # -264 |
| With 6 Auxiliary/Pilot Contacts | Recept # -976 | With 6 Auxiliary/Pilot Contacts | Inlet # -976 |
| Straight Insertion | Recept # -352 ² | Self-Ejecting Plug Release** | Inlet # -338 |
| Self-Ejecting Connector Release** | Recept # -354 ² | Without Lockout Hole | Inlet # -A155 |
| Mushroom Pawl | Recept # -375 | For Microswitch | Inlet # -270 ^{3,4} |
| Padlock Pawl | Recept # -843 | Notes:
** For self-ejecting connectors and plugs, a 443 suffix must be added to the handle part number. See pages 233-234 for more information.
² This option includes the Self-Returning Lid.
³ Not UL/CSA listed.
⁴ Not available on 3P+N+G configurations.. | |
| 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} | | |
- Order Example: 480 V DS100 + 2 auxiliary contacts
DS100 Poly inlet 3P+G = 33-98043-262
- DS100
- ## 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.
- 

Handle Option Guide
pgs 237-238
- 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			
		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			
	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			
		.708-.984"	555P0D25
		.984-1.377"	555P0D35
		1.377-1.771"	555P0D45
		1.771-1.929"	555P0D49
- BOXES

POLY ANGLE WITH METAL BOX WITH NPT		PART #	
	30°	1 1/4"	715C3N12
	30°	1 1/2"	715C3N15
	30°	2"	715C3N20
	* 108.7 in ³	30°	2 1/2"
* Interior volume with receptacle installed.			
METAL ANGLE WITH METAL BOX WITH NPT			
	30°	1 1/4"	795C3N12
	30°	1 1/2"	795C3N15
	30°	2"	795C3N20
	* 111.8 in ³	30°	2 1/2"
* Interior volume with receptacle installed.			
METAL BOX WITH NPT			
	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.			
- ANGLES

POLY ANGLE		
	30°	515M3
METAL ANGLE		
	0°	595M0
	30°	595M3
	30° Oversized	795M3
		Mounts on oversize box only. Order with 7T6F0N25XL. See pg 52.
	70°	595M7
- MISCELLANEOUS ACCESSORIES

PROTECTIVE INLET/PLUG CAP		31-9A426	For Inlets/Plugs Only. Covers lockout hole for watertight seal on inlet. Consult Customer Service for availability.
PADLOCKABLE INLET/PLUG CAP		DS9MC	Aluminum – For Inlets/Plugs Only. -A155 suffix required on inlet part # to retain water ingress protection.
CORD GRIP WITH OPTIONS		see pg 159	
EASY RETROFIT ADAPTER PLATES		see pg 240	Mount to existing boxes.
RECEPTACLE LOCKING PIN		LP-843	Requires Padlockable Pawl option (-843) on receptacle.
- 49 MELTRIC
- MELTRIC 50

DS200 Switch-Rated - 200 A

UL/CSA Ratings

- **Max Amperage & Voltage**
200 A, 600 VAC
- **Switch-Rating (AC Only)**
Branch Circuit & Motor Circuit Disconnect Switching
- **Horsepower Ratings**

208 V	3Ø	40 hp
240 V	3Ø	40 hp
480 V	3Ø	100 hp
600 V	3Ø	100 hp
- **Short Circuit Rating**
65 kA Close & Withstand
Testing was performed with RK5 time delay fuses sized at 100% of the device's rated ampacity.

10 kA Close & Withstand
Testing was performed with RK1 current limiting fuses sized at 400% of the highest full load motor ampacity.
- **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 - Prewired 14 AWG
- **Certifications**
UL 2682, UL 1682,
CSA C22.2 NO. 182.1, NOM

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 (female)

Easy closing drawbar

Inlet (male)

Tabs for latching closing drawbar

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	37-24165	37-28165
120 208 V	3P+N+G	37-24167	37-28167
125 V	1P+N+G	37-24075	37-28075
125 250 V	2P+N+G	37-24076	37-28076
208 V	2P+G	37-24162	37-28162
208 V	3P+G	37-24163	37-28163
250 V	2P+G	37-24072	37-28072
250 V	3P+G	37-24073	37-28073
277 V	1P+N+G	37-24045	37-28045
277 480 V	3P+N+G	37-24047	37-28047
347 600 V	3P+N+G	37-24147	37-28147
480 V	2P+G	37-24042	37-28042
480 V	3P+G	37-24043	37-28043
600 V	2P+G	37-24142	37-28142
600 V	3P+G	37-24143	37-28143

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

RECEPTACLE OPTIONS	SUFFIX #	INLET OPTIONS	SUFFIX #
With 2 Auxiliary/Pilot Contacts	Recept # -972 ⁴	With 2 Auxiliary/Pilot Contacts	Inlet # -972 ⁷
With 4 Auxiliary/Pilot Contacts	Recept # -174 ⁶	With 4 Auxiliary/Pilot Contacts	Inlet # -174 ³
With 6 Auxiliary/Pilot Contacts	Recept # -976 ⁶	With 6 Auxiliary/Pilot Contacts	Inlet # -976 ³
Straight Insertion	Recept # -A188 ^{2,3}	Self-Ejecting Plug Release**	Inlet # -338-A188 ³
Mushroom Pawl	Recept # -375	For Microswitch	Inlet # -270 ^{3,4}
Padlock Pawl	Recept # -843	Without Lockout Hole	Inlet # -A155
Screw-Type Locking Pawl	Recept # -845	Notes:	
Self-Returning Lid (Manual Close)	Recept # -NC	** For self-ejecting a -443 suffix must be added to the handle part number. See page 233-234 for more information.	
With Microswitch	Recept # -270 ^{3,4}	² This option includes the Self-Returning Lid.	
		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.	

Order Example: 480 V DS200 + 2 auxiliary contacts
DS200 Metal inlet 3P+G = 37-28043-972

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
1 1/4"	516P0N12
1 1/2"	516P0N15
2"	516P0N20
2 1/2"	516P0N25
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"
2.01-2.36"	5K6P0D60	2"
2.40-2.76"	5K6P0D70	2 1/2"
2.79-3.15"	5K6P0D80	3"

OVERSIZED METAL HANDLE WITH NPT

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

0°	596M0
45° Oversized	796M4
60°	596M6
60° Extended	597M6

MOUNTS ON OVERSIZE METAL BOX ONLY.

BOXES

METAL ANGLE WITH METAL BOX WITH NPT

PART #	
60° 1 1/2"	796C6N15
60° 2"	796C6N20
60° 2 1/2"	796C6N25

* 248.4 in³

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

39-2A426	Covers lockout hole for watertight seal on inlet. Consult Customer Service for availability. For Inlets/Plugs Only.
----------	---

PADLOCKABLE INLET/PLUG CAP

DS2MC	Aluminum – For Inlets/Plugs Only. -A155 suffix required on inlet part # to retain water ingress protection.
-------	---

CORD GRIP WITH OPTIONS

see pg 159

EASY RETROFIT ADAPTER PLATES

see pg 240	Mount to existing boxes.
------------	--------------------------

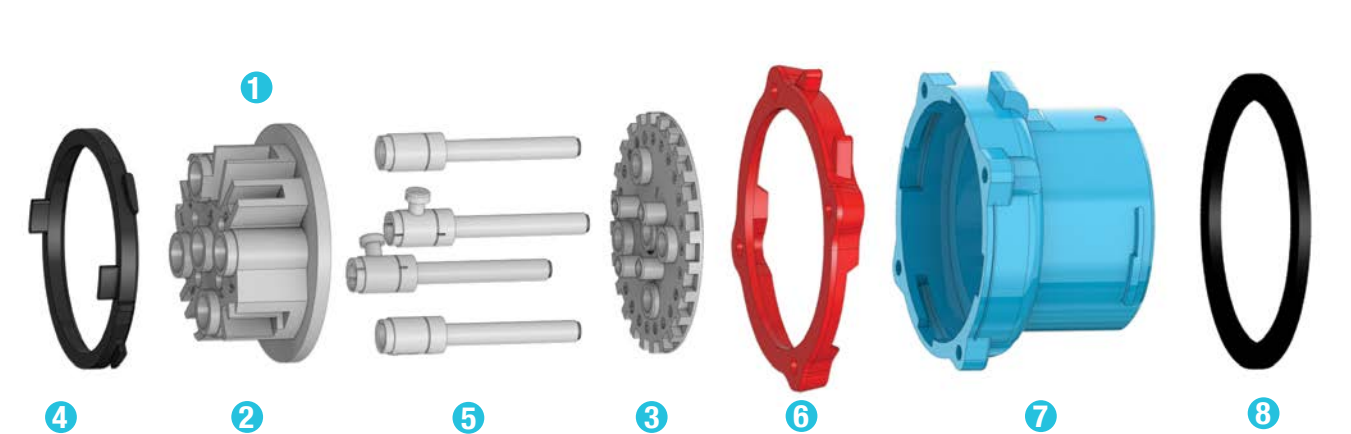
RECEPTACLE LOCKING PIN

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

51 MELTRIC

MELTRIC 52

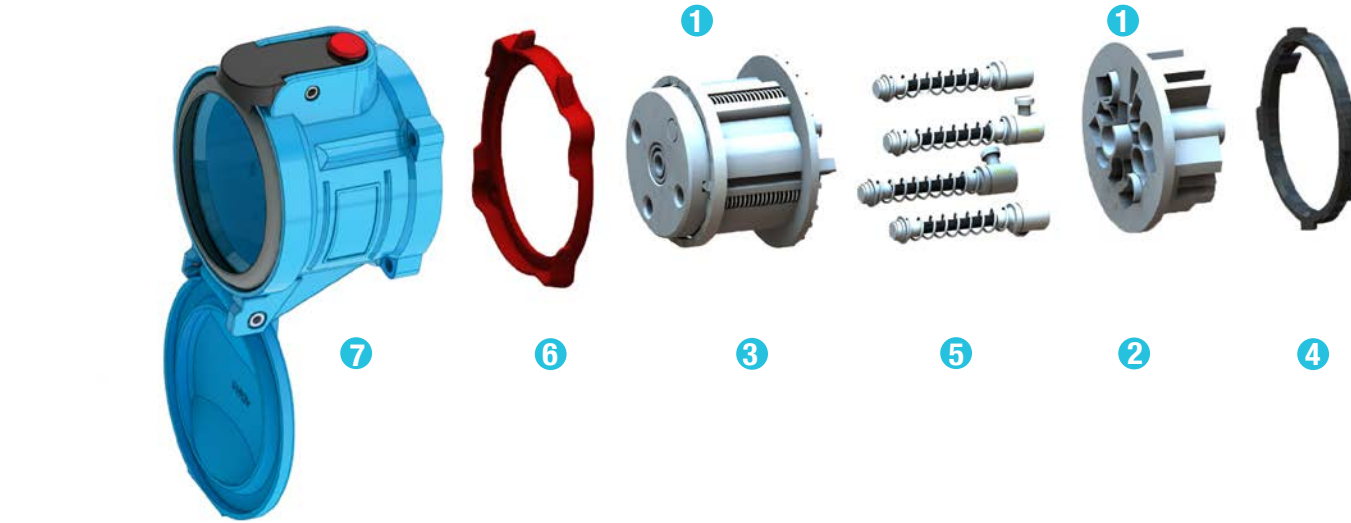
Male Configuration



	DS20 POLY	DS30 POLY	DS60 POLY	DS60 METAL	DS100 POLY	DS100 METAL	DS200 METAL
1 Plug Insulator	33-1A010*	33-3A010*	33-6A010*	37-6A010*	33-9A010*	37-9A010*	37-2A010*
2 Insulator Bottom	33-1A010-B	33-3A010-B	33-6A010-B	37-6A010-B	33-9A010-B	37-9A010-B	37-2A010-B
3 Insulator Top	33-1A010-T*	33-3A010-T*	33-6A010-T*	37-6A010-T*	33-9A010-T*	37-9A010-T*	37-2A010-T*
4 Locking Ring	33-1A583	33-3A583	33-6A583	37-6A583	33-9A583	37-9A583	37-2A583
5 Plug Phase Contact	33-1A011	33-3A011	33-6A011	37-6A011	33-9A011	37-9A011	37-2A011
5 Plug Pilot Contact	33-1A011-972	31-3A011-972	33-6A011-972	37-6A011-972	33-9A011-972	37-9A011-972	37-2A021-972
5 Plug Ground Contact	33-1A019	33-3A019	33-6A019	37-6A019	33-9A019	37-9A019	37-2A019
6 Color-Coded Voltage Gasket		33-1AJ26	33-3AJ26	33-6AJ26	37-6AJ26	33-9AJ26	37-2AJ26
		33-1AC26	33-3AC26	33-6AC26	37-6AC26	33-9AC26	37-2AC26
		33-1AB26	33-3AB26	33-6AB26	37-6AB26	33-9AB26	37-2AB26
		33-1AR26	33-3AR26	33-6AR26	37-6AR26	33-9AR26	37-2AR26
		33-1AN26	33-3AN26	33-6AN26	37-6AN26	33-9AN26	37-2AN26
7 Plug Casing	33-1A014*	33-3A014*	33-6A014*	37-6A014*	33-9A014*	37-9A014*	37-2A014*
8 Type 4X Gasket	33-1A056	33-3A056	-	-	-	-	-

* 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



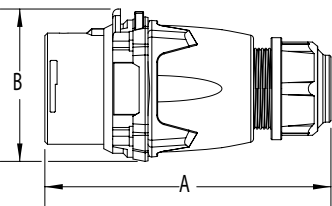
	DS20 POLY	DS30 POLY	DS60 POLY	DS60 METAL	DS100 POLY	DS100 METAL	DS200 METAL
1 Receptacle Insulator	33-1A020*	33-3A020*	33-6A020*	37-6A020*	33-9A020*	37-9A020*	37-2A020*
2 Insulator Bottom	33-1A020-B	33-3A020-B	33-6A020-B	37-6A020-B	33-9A020-B	37-9A020-B	37-2A020-B
3 Insulator Top	33-1A020-T*	33-3A020-T*	33-6A020-T*	37-6A020-T*	33-9A020-T*	37-9A020-T*	37-2A020-T*
4 Locking Ring	33-1A583	33-3A583	33-6A583	37-6A583	33-9A583	37-9A583	37-2A583
5 Receptacle Phase Contact	33-1A021	33-3A021	33-6A021	37-6A021	33-9A021	37-9A021	37-2A021
5 Receptacle Pilot Contact	33-1A021-972	33-3A021-972	33-6A021-972	37-6A021-972	33-9A021-972	37-9A021-972	37-2A021-972
5 Receptacle Ground Contact	33-1A029	33-3A029	33-6A029	37-6A029	33-9A029	37-9A029	37-2A029
6 Color-Coded Voltage Gasket		33-1AJ26	33-3AJ26	33-6AJ26	37-6AJ26	33-9AJ26	37-2AJ26
		33-1AC26	33-3AC26	33-6AC26	37-6AC26	33-9AC26	37-2AC26
		33-1AB26	33-3AB26	33-6AB26	37-6AB26	33-9AB26	37-2AB26
		33-1AR26	33-3AR26	33-6AR26	37-6AR26	33-9AR26	37-2AR26
		33-1AN26	33-3AN26	33-6AN26	37-6AN26	33-9AN26	37-2AN26
7 Receptacle Casing	33-1A024*	33-3A024*	33-6A024*	37-6A024*	33-9A024*	37-9A024*	37-2A024*
Lid Replacement Kit	33-1A125	33-3A125	33-6A125	37-6A925	33-9A125	37-9A925	37-2A925
Pawl Replacement Kit Polyester	33-1A824	33-3A824	33-6A824	-	33-9A824	-	-
Pawl Replacement Kit Metal	33-1A924	33-3A924	33-6A924	37-6A824	33-9A924	37-9A824	37-2A824
Drawbar Replacement Kit	-	-	-	-	33-9A726	37-9A726	37-2A726

* 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.

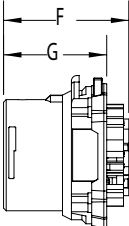
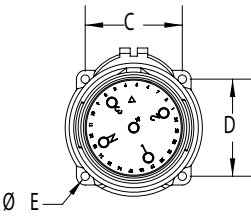


Dimensions are for reference only and may change depending on accessories used. For precise dimensions contact MELTRIC Engineering.

Plug

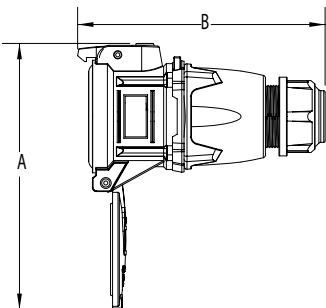


Inlet

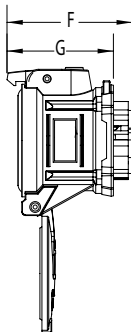
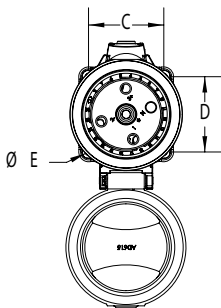


PRODUCT	A	B	C	D	ØE	F	G
DS20	5.72	2.79	1.89	1.89	0.20	2.28	1.86
DS30	6.15	3.23	2.17	2.17	0.20	2.93	2.07
DS60/DS7c	6.70	3.77	2.59	2.59	0.24	3.42	2.38
DS100	8.33	4.59	3.20	3.20	0.24	4.14	3.04
DS200	10.30	5.67	3.86	3.86	0.26	4.66	3.20

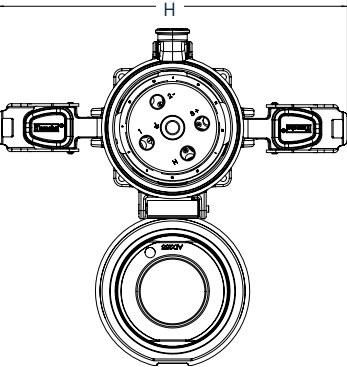
Connector



Receptacle



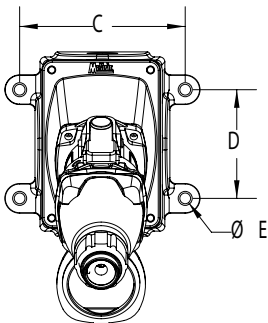
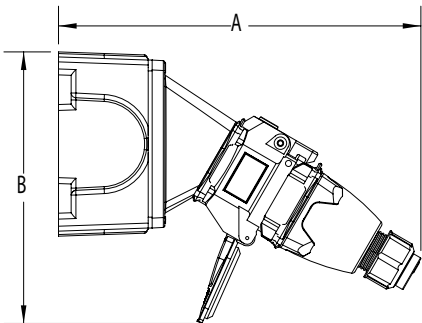
Extended Drawbars



PRODUCT	A	B	C	D	ØE	F	G	H
DS20	6.32	6.38	1.89	1.89	0.20	3.3	2.6	N/A
DS30	7.16	6.93	2.17	2.17	0.20	3.73	2.87	N/A
DS60/DS7c	8.96	7.75	2.59	2.59	0.22	4.53	3.37	N/A
DS100	11.80	10.02	3.20	3.20	0.23	5.71	4.74	12.62
DS200	12.70	10.87	3.86	3.86	0.26	6.21	4.75	13.37

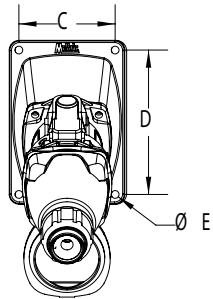
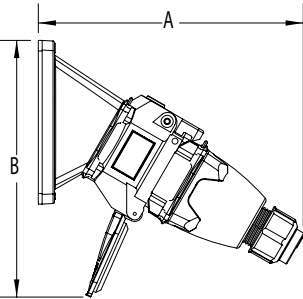
Box/30° Angle/Receptacle/Plug

Dimensions for DR200 include 60° angle.



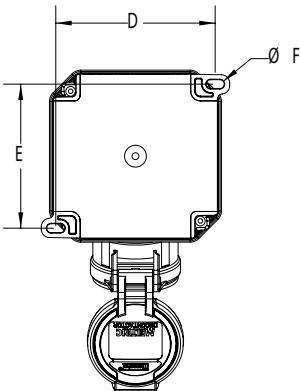
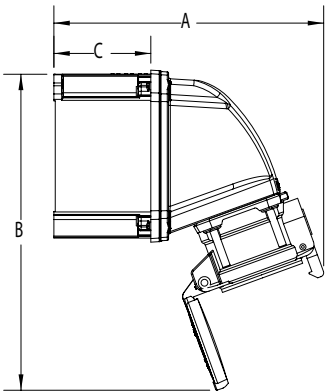
PRODUCT	A	B	C	D	ØE
DS20	9.84	7.29	4.19	2.75	0.27
DS30	10.30	8.39	4.19	2.75	0.27
DS60/DS7c	11.87	10.74	5	3.81	0.33
DS100	16.06	11.77	6.75	4.25	0.31
DS200	15.76	12.70	8.13	6.38	0.31

30° Angle/Receptacle/Plug



PRODUCT	A	B	C	D	ØE
DS20	7.60	7.87	2.50	3.75	0.22
DS30	8.19	8.44	2.50	3.75	0.22
DS60/DS7c	9.17	10.45	3.43	4.83	0.26
DS100	14.09	12.05	4.83	4.83	0.28
DS200	11.61	16.20	6.50	6.50	0.25

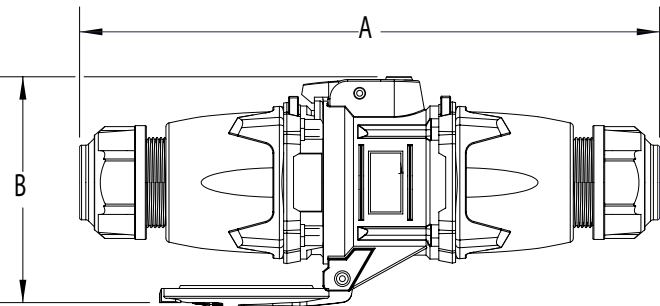
70° Wall Box/Receptacle



PRODUCT	A	B	C	D	E	ØF
DS20	7.78	9.11	2.80	4.60	4.15	0.26
DS30*	8.91	11.55	2.80	6.17	5.73	0.26
DS60/DS7c*	9.07	12.24	2.80	6.17	5.73	0.26

* Box has 4 mounting feet.

Plug/Connector



PRODUCT	A	B
DS20	10.20	4.61
DS30	10.91	5.71
DS60/DS7c	12.17	6.57
DS100	19.53	8.03
DS200	23.15	8.00