

# SWITCH-RATED Plugs & Receptacles

## THE MELTRIC® ADVANTAGE



**DECONTACTOR™  
Technology**

Like most MELTRIC products, Switch-Rated plugs and receptacles feature:

- Spring-loaded, butt-style contacts
- Silver-nickel contact materials
- Dead-front design
- Enclosed arc chambers
- Spring-assisted terminals
- Auxiliary contacts

MELTRIC Switch-Rated plugs and receptacles have additional features, including:

- UL & CSA switch-ratings
- Horsepower ratings
- Short circuit ratings up to 100 kA in fuse protected circuits

Pressing the pawl/button on the receptacle will safely switch off power to the load. The plug can then be withdrawn in complete safety. (Cutaway model shown for illustration purposes)

### Switch and Horsepower Ratings

MELTRIC Switch-Rated products are a combination plug, receptacle and non-fusible disconnect switch in the same device. Their integral switch technology ensures the safe breaking of resistive and inductive loads (up to 100 hp or 200 A) before an operator can physically remove the plug from the receptacle.

They are UL and CSA approved for both “branch circuit” and “motor circuit” disconnect switching, making them ideal for connecting motors, welding machines, and virtually any other electrical equipment.



To match the functionality of a Switch-Rated device, it would take a pin and sleeve plug plus a non-fused safety switch.

### Short Circuit Ratings

MELTRIC Switch-Rated plugs and receptacles help ensure worker safety, even in fault conditions. They are rated to close into and withstand short circuit currents of up to 100 kA. The protection far surpasses that offered by other plugs and receptacles—even surpassing the short circuit protection offered by most manual motor controllers and mechanical interlocks.

### UL & CSA Standards

To achieve their UL 2682 switch ratings, MELTRIC Switch-Rated plugs and receptacles have passed tests that far exceed those of ordinary UL 1682 listed pin and sleeve devices. These tests include horsepower/locked rotor overload tests from the UL 508 standard for Industrial Control Equipment and electrical endurance and short-circuit make-and-withstand testing from the UL 98 standard for Enclosed and Dead-front Switches.

To illustrate how the electrical and mechanical endurance of MELTRIC Switch-Rated plugs and receptacles far exceeds standard plugs, the following chart compares the test requirements for achieving a Switch-Rated plug & receptacle listing with those required for a standard pin and sleeve plug & receptacle listing. (Note: p.f. = Power Factor - for more information see pg 246)

**Test Requirements and Ratings Comparison Table**

TEST	UL SUBJECT 2682 (used for both UL & CSA listings) <b>SWITCH-RATED PLUGS &amp; RECEPTACLES</b> MOTOR CIRCUIT/BRANCH CIRCUIT DISCONNECT SWITCHING (Tests passed by MELTRIC devices)	UL 1682 & CSA 22.2 No. 182.1 <b>PLUGS, RECEPTACLES &amp; CABLE CONNECTORS OF THE PIN &amp; SLEEVE TYPE</b>	
		CURRENT INTERRUPTING (minimum requirements)	NON-CURRENT INTERRUPTING (minimum requirements)
<b>Temperature Rise</b>	< 30°C	< 30°C	< 30°C
<b>Voltage Withstand</b>	3,000 VAC for 1 minute	3,000 VAC for 1 minute	3,000 VAC for 1 minute
<b>Overload General Use Devices</b>	50 Operations @ 150% rated current (p.f. = .75 - .80)	50 Operations @ 150% rated current (p.f. = .75 - .80)	3 Operations @ 150% rated current (p.f. = .75 - .80)
<b>Mechanical Endurance (including Electrical Operations)</b>	6000 Operations	15-20 A = 5000 Operations 21-63 A = 2000 Operations 64-250 A = 500 Operations	15-20 A = 5000 Operations 21-63 A = 2000 Operations 64-250 A = 250 Operations
<b>Electrical Endurance (with load)</b>	6000 Operations @ rated current & voltage (p.f. = .75 - .80)	15-20 A = 5000 Operations 21-63 A = 1000 Operations <sup>1</sup> 64-250 A = 250 Operations <sup>1</sup> @ rated current & voltage (p.f. = .75 - .80)	-
<b>Overload - Locked Rotor (Horsepower Rated Devices) and Electrical Endurance</b>	50 Operations @ 600% of Full Load Amperage (p.f.=.40-.50) + 6000 Operations @ rated horsepower FLA (p.f. = .75 - .80)	50 Operations @ 600% of Full Load Amperage (p.f. = .40 - .50)	-
<b>Short Circuit Withstand</b>	≥ 10 kA* (600 V and ≤ .50 p.f)	≥ 10 kA (600 V and ≤ .50 p.f)	-
<b>Short Circuit Closing</b>	≥ 10 kA* (600 V and ≤ .50 p.f)	-	-

<sup>1</sup> Testing alternates between mechanical & electrical operations. This reduces the severity of the electrical test by allowing additional cooling time during electrical testing.  
\* All MELTRIC Switch-Rated devices (except DS200) are UL listed with short circuit ratings of at least 65 kA achieved at 600 VAC and ≤ .15 power factor.



See page 244 for specific ratings and associated fusing for each model.

# BENEFITS OF USING MELTRIC SWITCH-RATED DEVICES

## Ensure Worker Safety

Switch-Rated plugs and receptacles ensure safety by eliminating hazards associated with pin and sleeve and twist-type devices.

- The integral switching function ensures that the plug contacts are de-energized before an operator can remove the plug from the receptacle. The dead-front design prevents unintended access to live parts.
- Spring-loaded, silver-nickel butt-style contacts maintain proper contact force, withstand arcing, resist wear, and maintain low contact resistance. This ensures the integrity of the connection over thousands of operations and eliminates performance and safety problems common to plugs with brass contacts.
- Spring-loaded plug and receptacle disengagement with push button operation ensures fast and easy load breaking, which minimizes arcing during disconnection. Enclosed arc chambers eliminate arc flash hazards.
- Horsepower, switch, and short-circuit ratings provide additional protection during locked-rotor or other significant overload situations.



## Simplify Code Compliance

Switch-Rated devices provide a simple and cost-effective means of helping facilities achieve compliance with the National Electrical Code and NFPA 70E.

## NEC Compliance

Articles 430.101 to 430.113 of the National Electrical Code regulate the means of motor disconnection (Canadian Electrical Code section 28-600 to 28-604). They require motors to have readily accessible, line-of-sight disconnects that are an approved switch or a properly rated plug and receptacle.

- **430.102** A disconnecting means must be located in sight of the motor and driven equipment.
- **430.107** The disconnecting means must be readily accessible.
- **430.109** The disconnecting means may be an approved switch or horsepower rated plug and receptacle.

MELTRIC Switch-Rated plugs and receptacles are both horsepower and Switch-Rated. They can function as a line-of-sight disconnect in addition to providing a convenient plug and play power connection for the motor. Installing a Switch-Rated device eliminates the need for an auxiliary disconnect switch.

## NFPA 70E (CSA Z462)

This OSHA consensus standard covers electrical safety-related work practices and procedures for employees who work on or near exposed energized electrical conductors or other live circuit parts. Relevant requirements include:

**Power must be proven to be off before work can be performed. This requires:**

- The safe interruption of the load and opening of the disconnect
- Visual verification/voltage testing to ensure de-energization

**The potential electrical hazard must be identified and documented.**

- An arc flash risk assessment must be performed
- Flash protection boundaries must be determined

**Appropriate steps must be taken to protect persons working near live parts or within the flash protection boundary.**

- PPE must be worn based on incident energy exposure levels (cal/cm<sup>2</sup>)
- Only properly qualified persons are allowed to perform work

# ...THROUGHOUT YOUR FACILITY

Wiring and connection systems utilizing conventional switches and/or pin and sleeve devices would typically require all of the previously listed protective measures to comply with NFPA 70E or CSA Z462. By using MELTRIC Switch-Rated plugs and receptacles to connect equipment, users can very simply comply with these requirements.

Switch ratings ensure the safe interruption of the load. Visual verification that the power is off is provided when the plug is removed from the receptacle. A dead-front design prevents an operator from being exposed to live parts, eliminating the need to perform hazard analysis, establish flash protection boundaries and use electrical personal protective equipment.

## A Comparison of the Motor Change-Out Process

MOTOR CONNECTED WITH A MELTRIC MOTOR PLUG	MOTOR CONNECTED WITH A COMPETING PLUG & RECEPTACLE	MOTOR HARDWIRED TO A BLADED DISCONNECT SWITCH
<ul style="list-style-type: none"> <li>▶ Cord connection allows easy line-of-sight location</li> <li>▶ Dead-front eliminates access to live parts and need for cumbersome PPE</li> <li>▶ Ability to safely make &amp; break under load eliminates the need for interlocks</li> <li>▶ ≥ 10kA short circuit make-and-withstand rating ensures safety during reenergization</li> </ul>	<ul style="list-style-type: none"> <li>▶ Expensive mechanical interlocks are required since these plugs &amp; receptacles cannot safely make &amp; break under load</li> <li>▶ The interlock must be mounted on a fixed surface this may make line-of-sight location more difficult</li> </ul>	<p>The disconnect switch may be difficult to install in line-of-sight of the motor.</p> <p>18" Qualified Worker w/PPE</p>
MOTOR CHANGE-OUT PROCESS	MOTOR CHANGE-OUT PROCESS	MOTOR CHANGE-OUT PROCESS
<ol style="list-style-type: none"> <li>1. Depress the pawl on the receptacle to break the circuit</li> <li>2. Mechanic removes plug from receptacle</li> <li>3. Apply lockout/tagout as required</li> <li>4. Mechanic removes old /installs new motor</li> <li>5. Mechanic inserts plug into receptacle</li> </ol> <p><b>MELTRIC makes it Safe and Easy</b></p>	<ol style="list-style-type: none"> <li>1. Open interlock switch</li> <li>2. Determine PPE requirements and obtain permit for electrical work</li> <li>3. Remove interlock cover</li> <li>4. Verify de-energization with a voltmeter test</li> <li>5. Remove plug</li> <li>6. Apply lockout/tagout as required</li> <li>7. Remove old /install new motor</li> <li>8. Insert plug into receptacle</li> </ol>	<ol style="list-style-type: none"> <li>1. Switch disconnect to OFF position</li> <li>2. Apply lockout/tagout</li> <li>3. Perform shock/arc flash risk assessment</li> <li>4. Obtain permit for energized electrical work</li> <li>5. Suit up with appropriate PPE</li> <li>6. Remove the disconnect switch cover</li> <li>7. Voltage test to verify de-energization</li> <li>8. Disconnect motor from hardwiring</li> <li>9. Remove old/install new motor</li> <li>10. Connect new motor to hardwiring</li> <li>11. Jog the motor to ensure proper rotation</li> </ol>

## Reduce Equipment and Installation Costs

The ability of MELTRIC Switch-Rated devices to safely make and break under full load eliminates the need for the expensive interlocks that are required with pin and sleeve devices. Their ability to function as the NEC required line-of-sight disconnect switch eliminates the need for auxiliary disconnect switches. Optional pilot contacts can eliminate the need of auxiliary connectors in control circuits.

## Reduce Equipment Changeout Downtime and Cost

Using MELTRIC Switch-Rated plugs and receptacles to connect motors and other equipment instead of hardwiring can help reduce equipment change-out time by as much as 50%. With new motors pre-wired with MELTRIC plugs or inlets, the only electrical connection required during the change-out will be to plug in the new motor. Thus, a mechanic will be able to perform the change-out without the immediate aid of an electrician. This avoids the inconvenience of scheduling an electrician for a service call eliminating extra downtime required for wiring. The pre-wiring of replacement motors with MELTRIC plugs or inlets can be done off-site and during the convenience of non-downtime periods. This makes MELTRIC plugs and receptacles an ideal choice for 'plug and play' and modular process applications.

# SELECTING THE RIGHT MELTRIC SWITCH-RATED PLUG & RECEPTACLE

All SWITCH-RATED devices (DSN and DS) feature DECONTACTOR™ Technology:



- UL and CSA switch-ratings
- Short circuit closing and withstand protection (10 kA to 100 kA)



- Silver-nickel contact material
- Spring-loaded, butt-style contacts



- Dead-front safety shutter
- Optional auxiliary contacts



## DSN Models and Ratings

MODEL	CASING MATERIAL	MAXIMUM VOLTAGE (VAC)	AMPERAGE RATING	MAXIMUM NUMBER OF CONTACTS		ENVIRONMENTAL RATING	MAXIMUM HORSEPOWER RATING	
				MAIN	AUXILIARY		480 VAC	600 VAC
DSN20	POLY	600	20 A	3P+N+G	2*	Type 4X/IP69/IP69K	7.5 hp	7.5 hp
DSN30	POLY	600	30 A	3P+N+G	2	Type 4X/IP69/IP69K	15 hp	15 hp
DSN60	POLY	600	60 A	3P+N+G	4	Type 4X/IP69/IP69K	20 hp	20 hp
DSN100	POLY OR METAL	600	100 A	3P+N+G	4	Type 4X/IP69/IP69K	50 hp	50 hp
DSN150	POLY OR METAL	600	150 A	3P+N+G	6	Type 4X/IP69/IP69K	75 hp	75 hp

\* DSN20 use shunt contacts



## DSN Series (pages 25-40)

Choose DSN Series for its...

- Compact, lightweight design
- Automatic Type 4X/IP69/IP69K watertightness
- Horsepower ratings up to 75 hp

Common Applications

- Wet or washdown environments
- Plug and play electrical connections



## DS Series (pages 41-56)

Choose DS Series for its...

- Amperage range (up to 200 A)
- Larger conductor capacities
- Horsepower ratings up to 100 hp

Common Applications

- Heavy industry
- High amperage equipment

## DS Models and Ratings

MODEL	CASING MATERIAL	MAXIMUM VOLTAGE (VAC)	AMPERAGE RATING	MAXIMUM NUMBER OF CONTACTS		ENVIRONMENTAL RATING	MAXIMUM HORSEPOWER RATING	
				MAIN	AUXILIARY		480 VAC	600 VAC
DS20	POLY	600	20 A	3P+N+G	2	Type 3R	7.5 hp	10 hp
DS30	POLY	600	30 A	3P+N+G	4	Type 3R	15 hp	15 hp
DS60	POLY OR METAL	600	60 A	3P+N+G	4	Type 4X/IP69/IP69K	25 hp	25 hp
DS100	POLY OR METAL	600	100 A	3P+N+G	6	Type 4X/IP69/IP69K	30 hp	-
DS200	METAL	600	200 A	3P+N+G	6	Type 4X/IP69/IP69K	100 hp	100 hp

# SWITCH-RATED Plugs & Receptacles

The MELTRIC Switch-Rated product line features DECONTACTOR™ technology devices rated from 20 to 200 A with horsepower ratings from 75 to 100 hp. An integral switch mechanism enables workers to safely connect and disconnect motors, welding machines and other industrial equipment.

WATCH  
ME >>



## DSN COMPACT SIZE WITH IP69K WATERTIGHTNESS P. 25

- 20 A to 150 A (up to 75 hp)
- Poly or metal casings (100 A and above for metal)
- Automatic Type 4X/IP69/IP69K watertightness

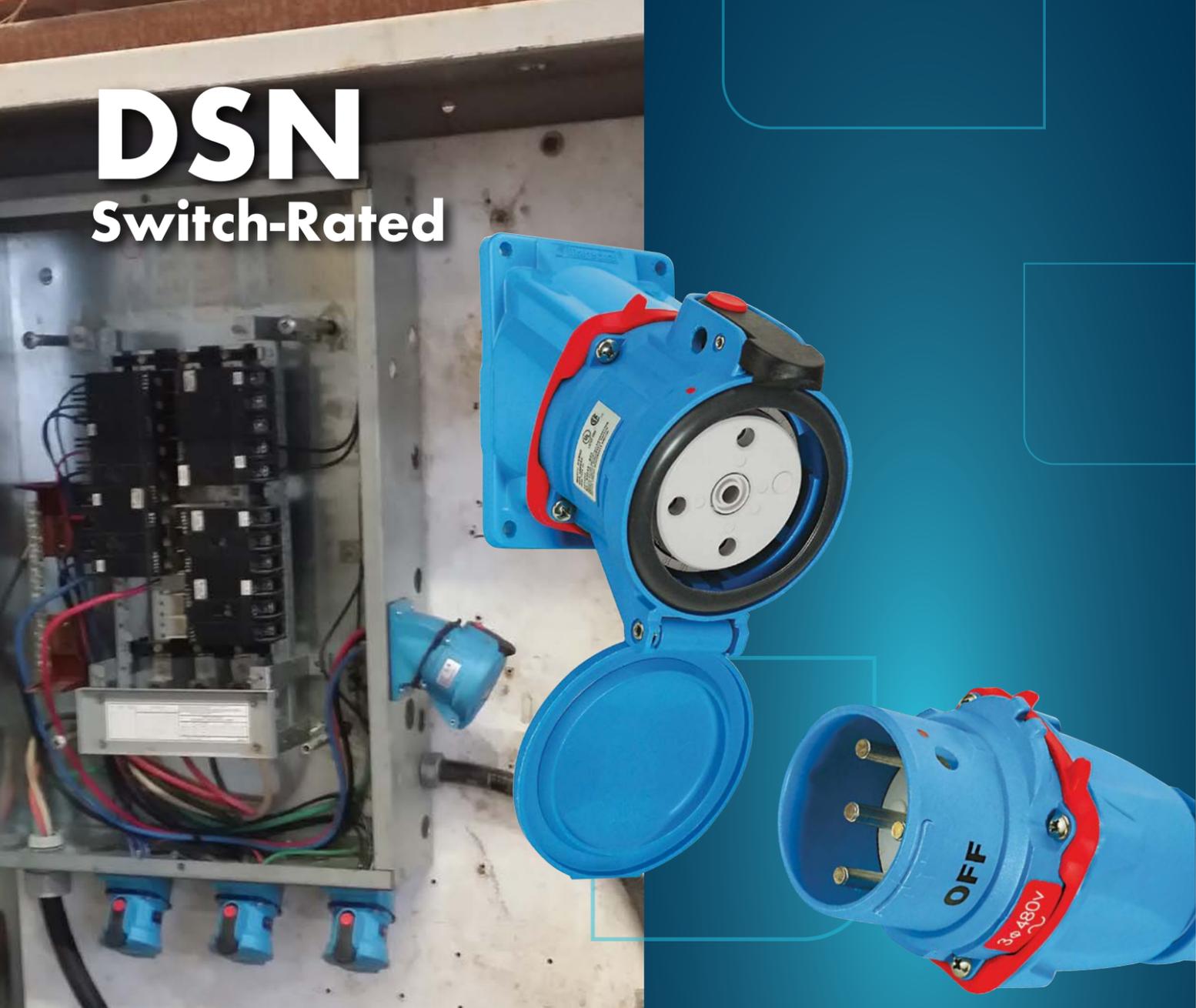


## DS LARGER WIRING CAPACITY AND METAL CASINGS P. 41

- 20 A to 200 A, (up to 100 hp)
- Poly or metal casings (60 A and above for metal)
- Type 3R or 4X/IP69/IP69K
- Larger conductor capacities

# DSN

## Switch-Rated



### Main Advantages

- Switch & hp rated
- 100 kA short circuit rated\*
- Type 4X/IP69/IP69K
- Compact, lightweight design
- Up to 6 auxiliary contacts

\* See note under General Ratings on the next page.

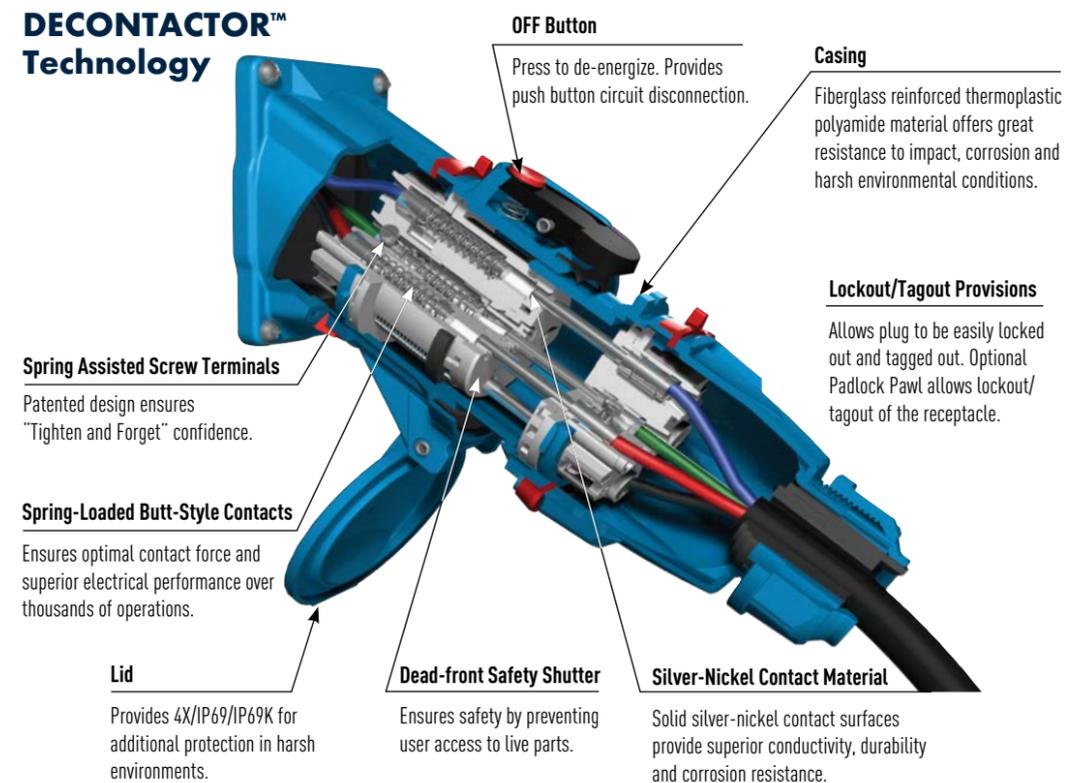
- Features and Ratings p. 26
- DSN20 p. 27
- DSN30 p. 29
- DSN60 p. 31
- DSN100 p. 33
- DSN150 p. 35
- Spare Parts p. 37
- Dimensions p. 39

SCAN  
ME >>



## PRODUCT FEATURES

### DECONTACTOR™ Technology



### General Ratings

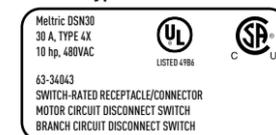
Amperage	20 to 150 A
Voltage	600 VAC Max
Frequency	50-400 Hz
Horsepower	.75 to 75 hp
Short-Circuit (Make & Withstand)	100 kA*
Environmental	Type 4X/IP69/IP69K
Temperature	Min -40°F/Max 140°F

\* DSN20, 30, 60 and 100: Testing was performed with RK1 current limiting fuses sized at 400% or more of the highest full load motor ampacity associated with the devices horsepower ratings.

\* DSN 150: 100 kA testing was performed with 225 A RK1 non-time delay Mersen fuses. 10 kA testing was performed with 400 A RK1 non-time delay Mersen fuses.

### Highlighted Feature

#### Typical Device Labels



MELTRIC DSN Series Switch-Rated devices are UL & CSA rated for motor circuit and branch circuit disconnect switching – up to 75 hp and up to 150 A.

## 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.

### 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	

### 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	2 hp
208 V	3Ø	3 hp
240 V	3Ø	3 hp
480 V	3Ø	7.5 hp
600 V	3Ø	7.5 hp
- Short Circuit Rating**  
100 kA Close & Withstand  
Testing was performed with 35 A RK1 non-time delay Mersen fuses.  
10 kA Close & Withstand  
Testing was performed with 50 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 14 AWG Max 12 AWG  
Aux Contacts - Prewired 18 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	63-14125-K16•	63-18125-K16•
120 208 V	3P+N+G	63-14127-K16•	63-18127-K16•
125 V	1P+N+G	63-14075	63-18075
125 250 V	2P+N+G	63-14076	63-18076
208 V	2P+G	63-14122-K16•	63-18122-K16•
208 V	3P+G	63-14123-K16•	63-18123-K16•
250 V	2P+G	63-14072	63-18072
250 V	3P+G	63-14073	63-18073
277 V	1P+N+G	63-14045	63-18045
277 480 V	3P+N+G	63-14047	63-18047
347 600 V	3P+N+G	63-14147	63-18147
480 V	2P+G	63-14042	63-18042
480 V	3P+G	63-14043	63-18043
600 V	2P+G	63-14142	63-18142
600 V	3P+G	63-14143	63-18143

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

### Main Options

- 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 Shunt Contact	<b>Recept # -972<sup>1</sup></b>	Self-Ejecting Plug Release**	<b>Inlet # -338</b>
Straight Insertion	<b>Recept # -352<sup>2</sup></b>	Without Lockout Hole	<b>Inlet # -A155</b>
Self-Ejecting Connector Release**	<b>Recept # -354<sup>2</sup></b>		
Mushroom Pawl	<b>Recept # -375</b>		
Padlock Pawl	<b>Recept # -843</b>		
Metal Pawl	<b>Recept # -824</b>		
Self-Returning Lid (Manual Close)	<b>Recept # -NC</b>		

**Notes:** <sup>1</sup> Unlike other DSN & DS products, the DSN20 pilots are only on the receptacle side and create a continuity loop that is completed when a plug is connected to the receptacle.

\*\* For self-ejecting connectors and plugs, a 443 suffix must be added to the handle part number. See pages 233-234 for more information.  
<sup>2</sup> This option includes the Self-Returning Lid..

**• Notice:** Product has changed and will not mate with prior 63-1416x and 63-1816x 120 V and 208 V configurations. Please contact customer service if product will be used with devices purchased prior to January 31, 2021.

**Order Example: 480 V DSN20 with padlock pawl**  
DSN20 Receptacle 3P+G = 63-14043-843



Handle Option Guide  
pgs 237-238

## 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
Poly 1/2"	511P0N05	791P0N05L
Poly 3/4"	511P0N07	791P0N07L
Metal 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	PART #
	791P0BS3L
	791P0BS4L
	791P0CS1L
	791P0CS4L

POLY HANDLE	PART #
	511P0D18

POLY EXTENDED HANDLE	PART #
	511P0D21

POLY ANGLED HANDLE	PART #
	511P6D18

### ANGLES

POLY ANGLE	PART #
30°	511M3
70°	511M7 Panel mounting only.

METAL ANGLE	PART #
0°	591M0

POLY ANGLE	PART #
FS/FD 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.

POLY ANGLE	PART #
45°	591M4

### BOXES

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

POLY WALL BOX WITH ANGLE	PART #
70°	511C7000

POLY ANGLE WITH METAL BOX WITH NPT	PART #
70° 1/2"	711C7N05
70° 3/4"	711C7N07
70° 1"	711C7N10
70° 1 1/4"	711C7N12
70° 1 1/2"	711C7N15

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° 1 1/4"	711C3N12

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

### MISCELLANEOUS ACCESSORIES

FINGER DRAWPLATES	PART #
Set of Two (2) Recommended for cord to cord assembly applications, for easier connector closure.	61-1A346

PROTECTIVE INLET/PLUG CAP	PART #
For Inlets/Plugs Only.	61-1A426

PADLOCKABLE INLET/PLUG CAP	PART #
For Inlets/Plugs Only.	61-1A826

SCREWDRIVER FOR TERMINAL SCREWS	PART #
Klein 608-3 1/8" cabinet with 3" round shank.	SD18

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

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

### 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	2 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  
Testing was performed with RKT current limiting fuses sized at 400% of the highest full load motor ampacity associated with the devices hp 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 14 AWG Max 8 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	63-34165	63-38165
120 208 V	3P+N+G	63-34167	63-38167
125 V	1P+N+G	63-34075	63-38075
125 250 V	2P+N+G	63-34076	63-38076
208 V	2P+G	63-34162	63-38162
208 V	3P+G	63-34163	63-38163
250 V	2P+G	63-34072	63-38072
250 V	3P+G	63-34073	63-38073
277 V	1P+N+G	63-34045	63-38045
277 480 V	3P+N+G	63-34047	63-38047
347 600 V	3P+N+G	63-34147	63-38147
480 V	2P+G	63-34042	63-38042
480 V	3P+G	63-34043	63-38043
600 V	2P+G	63-34142	63-38142
600 V	3P+G	63-34143	63-38143

For international configurations and ratings (IEC,CE) visit [meltric.com/international-catalog](http://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	<b>Recept # -972</b>	With 2 Auxiliary/Pilot Contacts	<b>Inlet # -972</b>
Straight Insertion	<b>Recept # -352<sup>2</sup></b>	Self-Ejecting Plug Release**	<b>Inlet # -338</b>
Self-Ejecting Connector Release**	<b>Recept # -354<sup>2</sup></b>	Without Lockout Hole	<b>Inlet # -A155</b>
Mushroom Pawl	<b>Recept # -375</b>	For Microswitch	<b>Inlet # -270<sup>3,4</sup></b>
Padlock Pawl	<b>Recept # -843</b>		
Metal Pawl	<b>Recept # -824</b>		
Self-Returning Lid (Manual Close)	<b>Recept # -NC</b>		
With Microswitch	<b>Recept # -270<sup>3,4</sup></b>		

**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.  
<sup>2</sup> This option includes the Self-Returning Lid.  
<sup>3</sup> Not UL/CSA listed.  
<sup>4</sup> Not available on 3P+N+G configurations.

**Order Example: 480 V DSN30 + 2 auxiliary contacts**  
DSN30 Inlet 3P+G = 63-38043-972



Handle Option Guide  
pgs 237-238

## 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
Poly 3/4"	512P0N07	592P0N07
Metal 1"	512P0N10	592P0N10
Metal 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 #	Notes
	30°	512M3	
	70°	512M7	Panel mounting only.

METAL ANGLE	ANGLE	PART #
	0°	592M0
	30°	592M3

METAL ANGLE	ANGLE	PART #	Notes
	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	* Interior volume with receptacle installed.
	30°	3/4"	512B3N07	

POLY WALL BOX WITH ANGLE	ANGLE	PART #	Notes
	70°	512C7000	70° poly boxes are not drilled.
	70°	512C7000	* Interior volume with receptacle installed.

POLY ANGLE WITH METAL WALL 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	

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	* 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
	61-3A426	For Inlets/Plugs Only.

PADLOCKABLE INLET/PLUG CAP	PART #	Notes
	61-3A826	For Inlets/Plugs Only.

SPRING-LOADED PADLOCKABLE INLET/PLUG CAP	PART #	Notes
	61-3A226	Metal - 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.

SCREWDRIVER FOR TERMINAL SCREWS	PART #	Notes
	SD18	Klein 608-3 1/8" cabinet with 3" round shank.

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

### 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	2 hp
240 V	1Ø	3 hp
208 V	3Ø	7.5 hp
240 V	3Ø	7.5 hp
480 V	3Ø	20 hp
600 V	3Ø	20 hp
- Short Circuit Rating**  
100 kA Close & Withstand  
Testing was performed with RKT current limiting fuses sized at 400% of the highest full load motor ampacity associated with the devices hp 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 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	63-64165	63-68165
120 208 V	3P+N+G	63-64167	63-68167
125 V	1P+N+G	63-64075	63-68075
125 250 V	2P+N+G	63-64076	63-68076
208 V	2P+G	63-64162	63-68162
208 V	3P+G	63-64163	63-68163
250 V	2P+G	63-64072	63-68072
250 V	3P+G	63-64073	63-68073
277 V	1P+N+G	63-64045	63-68045
277 480 V	3P+N+G	63-64047	63-68047
347 600 V	3P+N+G	63-64147	63-68147
480 V	2P+G	63-64042	63-68042
480 V	3P+G	63-64043	63-68043
600 V	2P+G	63-64142	63-68142
600 V	3P+G	63-64143	63-68143

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

### MAIN OPTIONS

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

### RECEPTACLE OPTIONS

RECEPTACLE OPTIONS	SUFFIX #	INLET OPTIONS	SUFFIX #
With 2 Auxiliary/Pilot Contacts	<b>Recept # -972</b>	With 2 Auxiliary/Pilot Contacts	<b>Inlet # -972</b>
With 3 Auxiliary/Pilot Contacts	<b>Recept # -973</b>	With 3 Auxiliary/Pilot Contacts	<b>Inlet # -973</b>
With 4 Auxiliary/Pilot Contacts	<b>Recept # -974</b>	With 4 Auxiliary/Pilot Contacts	<b>Inlet # -974</b>
Straight Insertion	<b>Recept # -352<sup>2</sup></b>	Self-Ejecting Plug Release**	<b>Inlet # -338</b>
Self-Ejecting Connector Release**	<b>Recept # -354<sup>2</sup></b>	Without Lockout Hole	<b>Inlet # -A155</b>
Mushroom Pawl	<b>Recept # -375</b>	For Microswitch	<b>Inlet # -270<sup>3,4</sup></b>
Padlock Pawl	<b>Recept # -843</b>		
Padlockable Mushroom Pawl	<b>Recept # -375</b>		
Metal Pawl	<b>Recept # -824</b>		
Self-Returning Lid (Manual Close)	<b>Recept # -NC</b>		
With Microswitch	<b>Recept # -270<sup>3,4</sup></b>		

**Notes:**  
<sup>\*\*</sup> For self-ejecting connectors and plugs, a 443 suffix must be added to the handle part number. See pages 233-234 for more information.  
<sup>2</sup> This option includes the Self-Returning Lid.  
<sup>3</sup> Not UL/CSA listed.  
<sup>4</sup> Not available on 3P+N+G configurations

**Order Example: 480 V DSN60 + 2 auxiliary contacts**  
DSN60 Inlet 3P+G = 63-68043-972



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
Poly 1/2"	513P0N05	593P0N05
Poly 3/4"	513P0N07	593P0N07
Metal 1"	513P0N10	593P0N10
Metal 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 #	Notes
	30°	513M3	
	70°	513M7	Panel mounting only.

METAL ANGLE	ANGLE	PART #	Notes
	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°	1/2"	513B3N05	* Interior volume with receptacle installed.
	30°	3/4"	513B3N07	
	30°	1"	513B3N10	

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

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	

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	* Interior volume with receptacle installed.
	30°	3/4"	713C3N07	
	30°	1"	713C3N10	
	30°	1 1/4"	713C3N12	

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 cord to cord assembly applications, for facilitated mating.

PROTECTIVE INLET/PLUG CAP	PART #	Notes
	61-6A426	For Inlets/Plugs Only.

PADLOCKABLE INLET/PLUG CAP	PART #	Notes
	61-6A826	For Inlets/Plugs Only.

SPRING-LOADED PADLOCKABLE INLET/PLUG CAP	PART #	Notes
	61-6A226	Metal - 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.

CORD GRIP WITH OPTIONS	Notes
	see pg 159

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

# DSN100 Switch-Rated - 100 A

DSN100

DSN

## UL/CSA Ratings

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

120 V	1Ø	5 hp
240 V	1Ø	10 hp
208 V	3Ø	20 hp
240 V	3Ø	20 hp
480 V	3Ø	50 hp
600 V	3Ø	50 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

## 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	63-84165	69-84165	63-88165	69-88165
120 208 V	3P+N+G	63-84167	69-84167	63-88167	69-88167
125 V	1P+N+G	63-84075	69-84075	63-88075	69-88075
125 250 V	2P+N+G	63-84076	69-84076	63-88076	69-88076
208 V	2P+G	63-84162	69-84162	63-88162	69-88162
208 V	3P+G	63-84163	69-84163	63-88163	69-88163
250 V	2P+G	63-84072	69-84072	63-88072	69-88072
250 V	3P+G	63-84073	69-84073	63-88073	69-88073
277 V	1P+N+G	63-84045	69-84045	63-88045	69-88045
277 480 V	3P+N+G	63-84047	69-84047	63-88047	69-88047
347 600 V	3P+N+G	63-84147	69-84147	63-88147	69-88147
480 V	2P+G	63-84042	69-84042	63-88042	69-88042
480 V	3P+G	63-84043	69-84043	63-88043	69-88043
600 V	2P+G	63-84142	69-84142	63-88142	69-88142
600 V	3P+G	63-84143	69-84143	63-88143	69-88143

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

## Main Options

- Auxiliary/Pilot Contacts**
- Mushroom Pawl**
- 5/16" hole 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
Straight Insertion	Recept # -352 <sup>2</sup>	Self-Ejecting Plug Release**	Inlet # -338
Self-Ejecting Connector Release**	Recept # -354 <sup>2</sup>	Without Lockout Hole	Inlet # A155
Mushroom Pawl	Recept # -375	For Microswitch	Inlet # -270 <sup>3,4</sup>
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 <sup>3,4</sup>		

**Notes:**  
<sup>\*\*</sup> For self-ejecting connectors and plugs, a 443 suffix must be added to the handle part number. See pages 233-234 for more information.  
<sup>2</sup> This option includes the Self-Returning Lid.  
<sup>3</sup> Not UL/CSA listed.  
<sup>4</sup> Not available on 3P+N+G configurations.

Order Example: 480 V DSN100 + 2 auxiliary contacts  
DSN100 Poly inlet 3P+G = 63-88043-972



Handle Option Guide  
pgs 237-238

# 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" Poly	514P0N05	594P0N05
3/4" Poly	514P0N07	594P0N07
1" Poly	514P0N10	594P0N10
1 1/4" Metal	514P0N12	594P0N12
1 1/2" Metal	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
	70°	514M7

METAL ANGLE	ANGLE	PART #
	0°	594M0
	30°	594M3
	30°	794M3L
	30° Oversized	794M3
	70°	594M7

Mounts on oversize box only. Order with 715F0Nxx. See pg 50.

## BOXES

POLY CONDUIT ENTRY WITH NPT	ANGLE	SIZE	PART #
	30°	1/2"	514B3N05
	30°	3/4"	514B3N07
	30°	1"	514B3N10
	30°	1 1/4"	514B3N12

POLY WALL BOX WITH ANGLE	ANGLE	PART #
	70°	514C7000

POLY ANGLE WITH METAL BOX WITH NPT	ANGLE	SIZE	PART #
	70°	1/2"	714C7N05
	70°	3/4"	714C7N07
	70°	1"	714C7N10
	70°	1 1/4"	714C7N12
	70°	1 1/2"	714C7N15

METAL BOX WITH 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 WITH NPT	ANGLE	SIZE	PART #
	30°	1"	714C3N10
	30°	1 1/4"	714C3N12
	30°	1 1/2"	714C3N15
	30°	2"	714C3N20

FINGER DRAWPLATES	PART #
	31-6A346

PROTECTIVE INLET/PLUG CAP	PART #
	31-6A426

PADLOCKABLE INLET/PLUG CAP	PART #
	DS6PC
	DS6MC

SPRING-LOADED PADLOCKABLE INLET/PLUG CAP	PART #
	31-6A226
	39-6A226

RECEPTACLE LOCKING PIN	PART #
	LP-843

# DSN150 Switch-Rated - 150 A

DSN150

## UL/CSA Ratings

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

120 V	1Ø	7.5 hp
240 V	1Ø	20 hp
208 V	3Ø	30 hp
240 V	3Ø	30 hp
480 V	3Ø	75 hp
600 V	3Ø	75 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



! 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	63-94165	69-94165	63-98165	69-98165
120 208 V	3P+N+G	63-94167	69-94167	63-98167	69-98167
125 V	1P+N+G	63-94075	69-94075	63-98075	69-98075
125 250 V	2P+N+G	63-94076	69-94076	63-98076	69-98076
208 V	2P+G	63-94162	69-94162	63-98162	69-98162
208 V	3P+G	63-94163	69-94163	63-98163	69-98163
250 V	2P+G	63-94072	69-94072	63-98072	69-98072
250 V	3P+G	63-94073	69-94073	63-98073	69-98073
277 V	1P+N+G	63-94045	69-94045	63-98045	69-98045
277 480 V	3P+N+G	63-94047	69-94047	63-98047	69-98047
347 600 V	3P+N+G	63-94147	69-94147	63-98147	69-98147
480 V	2P+G	63-94042	69-94042	63-98042	69-98042
480 V	3P+G	63-94043	69-94043	63-98043	69-98043
600 V	2P+G	63-94142	69-94142	63-98142	69-98142
600 V	3P+G	63-94143	69-94143	63-98143	69-98143

For international configurations and ratings (IEC, CE) visit [meltric.com/international-catalog](http://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 # -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 <sup>2</sup>	Self-Ejecting Plug Release**	Inlet # -338
Self-Ejecting Connector Release**	Recept # -354 <sup>2</sup>	Without Lockout Hole	Inlet # -A155
Mushroom Pawl	Recept # -375	For Microswitch	Inlet # -270 <sup>3,4</sup>
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 <sup>3,4</sup>		

**Notes:**  
<sup>\*\*</sup> For self-ejecting connectors and plugs, a 443 suffix must be added to the handle part number. See pages 233-234 for more information.  
<sup>2</sup> This option includes the Self-Returning Lid.  
<sup>3</sup> Not UL/CSA listed.  
<sup>4</sup> Not available on 3P+N+G configurations.

Order Example: 480 V DSN150 + 2 auxiliary contacts  
DSN150 Poly inlet 3P+G = 63-98043-262



# 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	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
	0°	595M0
	30°	595M3
	30° Oversized	795M3
	70°	595M7

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

## BOXES

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

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

METAL BOX WITH NPT	ANGLE	SIZE	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	PART #	DESCRIPTION
	31-9A426	For Inlets/Plugs Only. Covers lockout hole for watertight seal on inlet. Consult Customer Service for availability.

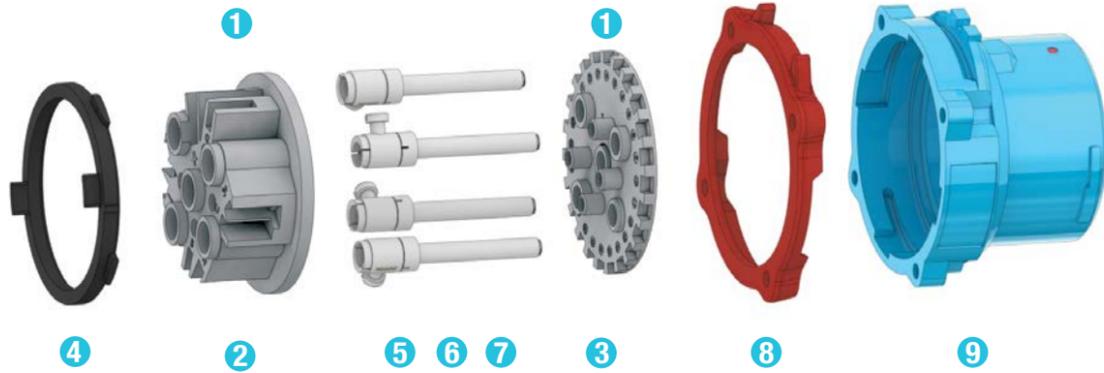
PADLOCKABLE INLET/PLUG CAP	PART #	DESCRIPTION
	DS9MC	Aluminum - For Inlets/Plugs Only. -A155 suffix required on inlet part # to retain water ingress protection.

CORD GRIP WITH OR WITHOUT MESH	PART #
	see pg 159

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.

## Male Configuration



	DSN20 POLY	DSN30 POLY	DSN60 POLY	DSN100 POLY	DSN100 METAL	DSN150 POLY	DSN150 METAL
1 Plug Insulator	63-1A010*	63-3A010*	63-6A010*	63-8A010*	69-8A010*	63-9A010*	69-9A010*
2 Insulator Bottom	63-1A010-B	63-3A010-B	63-6A010-B	63-8A010-B	69-8A010-B	63-9A010-B	69-9A010-B
3 Insulator Top	63-1A010-T*	63-3A010-T*	63-6A010-T*	63-8A010-T*	69-8A010-T*	63-9A010-T*	69-9A010-T*
4 Locking Ring	63-1A583	63-3A583	63-6A583	63-8A583	69-8A583	63-9A583	69-9A583
5 Plug Phase Contact	63-1A011	63-3A011	63-6A011	63-8A011	69-8A011	63-9A011	69-9A011
6 Plug Pilot Contact	-	63-3A011-972	63-6A011-972	63-8A011-972	69-8A011-972	63-9A011-972	69-9A011-972
7 Plug Ground Contact	63-1A019	63-3A019	63-6A019	63-8A019	69-8A019	63-9A019	69-9A019
8 Color-Coded Voltage Gasket		63-1AJ26	63-3AJ26	63-6AJ26	63-8AJ26	69-8AJ26	63-9AJ26
		63-1AC26	63-3AC26	63-6AC26	63-8AC26	69-8AC26	63-9AC26
		63-1AB26	63-3AB26	63-6AB26	63-8AB26	69-8AB26	63-9AB26
		63-1AR26	63-3AR26	63-6AR26	63-8AR26	69-8AR26	63-9AR26
		63-1AN26	63-3AN26	63-6AN26	63-8AN26	69-8AN26	63-9AN26
9 Plug Casing	63-1A014*	63-3A014*	63-6A014*	63-8A014*	69-8A014*	63-9A014*	69-9A014*

\* 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



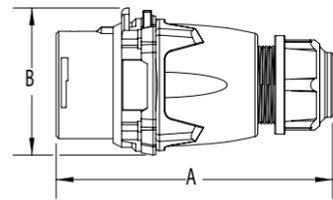
	DSN20 POLY	DSN30 POLY	DSN60 POLY	DSN100 POLY	DSN100 METAL	DSN150 POLY	DSN150 METAL
1 Receptacle Insulator	63-1A020*	63-3A020*	63-6A020*	63-8A020*	69-8A020*	63-9A020*	69-9A020*
2 Insulator Bottom	63-1A020-B	63-3A020-B	63-6A020-B	63-8A020-B	69-8A020-B	63-9A020-B	69-9A020-B
3 Insulator Top	63-1A020-T*	63-3A020-T*	63-6A020-T*	63-8A020-T*	69-8A020-T*	63-9A020-T*	69-9A020-T*
4 Locking Ring	63-1A583	63-3A583	63-6A583	63-8A583	69-8A583	63-9A583	69-9A583
5 Receptacle Phase Contact	63-1A021	63-3A021	63-6A021	63-8A021	69-8A021	63-9A021	69-9A021
6 Receptacle Pilot Contact	-	63-3A021-972	63-6A021-972	63-8A021-972	69-8A021-972	63-9A021-972	69-9A021-972
7 Receptacle Ground Contact	63-1A029	63-3A029	63-6A029	63-8A029	69-8A029	63-9A029	69-9A029
8 Color-Coded Voltage Gasket		63-1AJ26	63-3AJ26	63-6AJ26	63-8AJ26	69-8AJ26	63-9AJ26
		63-1AC26	63-3AC26	63-6AC26	63-8AC26	69-8AC26	63-9AC26
		63-1AB26	63-3AB26	63-6AB26	63-8AB26	69-8AB26	63-9AB26
		63-1AR26	63-3AR26	63-6AR26	63-8AR26	69-8AR26	63-9AR26
		63-1AN26	63-3AN26	63-6AN26	63-8AN26	69-8AN26	63-9AN26
9 Receptacle Casing	63-1A024*	63-3A024*	63-6A024*	63-8A024*	69-8A024*	63-9A024*	69-9A024*
Lid Replacement Kit	63-1A125	63-3A125	63-6A125	63-8A125	69-8A925	63-9A125	69-9A925
Pawl Replacement Kit Polyester	63-1A824	63-3A824	63-6A824	63-8A824	-	63-9A824	-
Pawl Replacement Kit Metal	63-1A924	63-3A924	63-6A924	63-8A924	69-8A824	63-9A924	69-9A824
Drawbar Replacement Kit	-	-	-	-	-	63-9A726	69-9A726

\* 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.

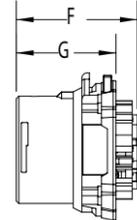
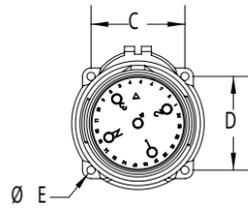


Dimensions are for reference only and may change depending on accessories used. For precise dimensions contact MELTRIC Engineering.

### Plug

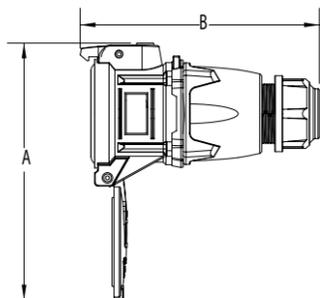


### Inlet

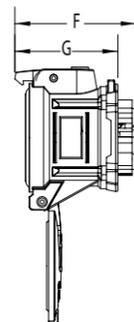
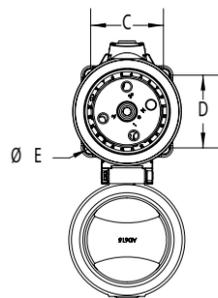


PRODUCT	A	B	C	D	ØE	F	G
DSN20/DSN12c	5.28	2.40	1.65	1.65	0.17	2.46	1.87
DSN30/DSN24c	5.75	2.91	1.89	1.89	0.18	2.56	1.97
DSN60/DSN37c	6.30	3.46	2.17	2.17	0.19	2.8	2.21
DSN100	6.70	3.77	2.59	2.59	0.24	3.42	2.38
DSN150	8.33	4.59	3.20	3.20	0.24	4.14	3.04

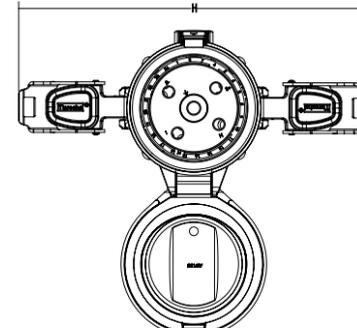
### Connector



### Receptacle

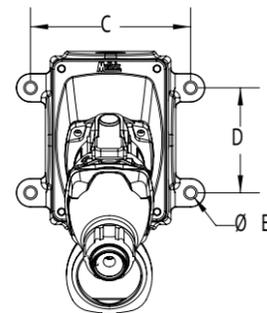
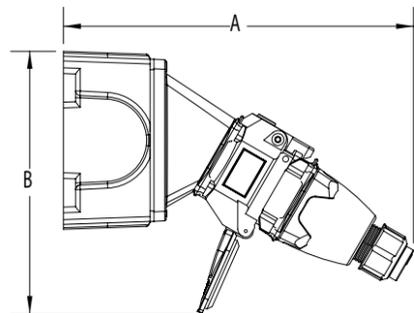


### Extended Drawbars



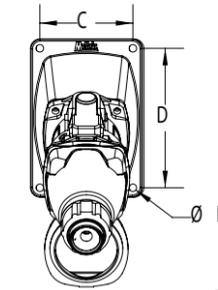
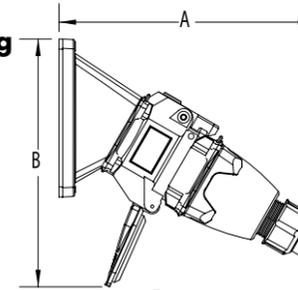
PRODUCT	A	B	C	D	ØE	F	G	H
DSN20/DSN12c	5.26	5.60	1.65	1.65	0.19	3.15	2.10	N/A
DSN30/DSN24c	7.05	6.93	1.89	1.89	0.18	3.53	2.88	N/A
DSN60/DSN37c	7.74	7.22	2.17	2.17	0.2	3.64	3.09	N/A
DSN100	8.96	7.90	2.59	2.59	0.22	4.53	3.37	N/A
DSN150	11.04	10.02	3.20	3.20	0.23	5.71	4.74	12.62

### Box /30° Angle/ Receptacle/Plug



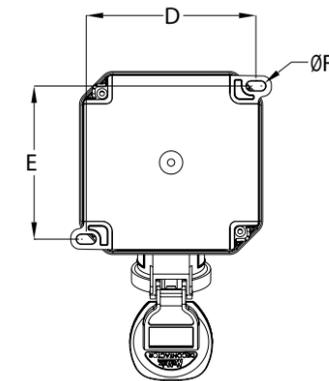
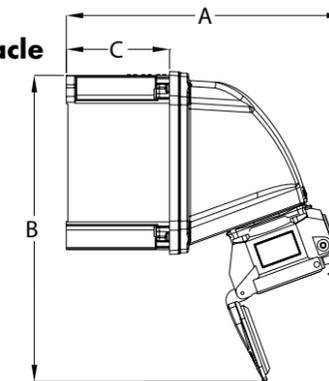
PRODUCT	A	B	C	D	ØE
DSN20/DSN12c	7.80	7.25	4.19	2.75	0.27
DSN30/DSN24c	9.85	7.60	4.19	2.75	0.27
DSN60/DSN37c	10.48	8.20	4.19	2.75	0.27
DSN100	11.87	10.74	5.00	3.81	0.33
DSN150	16.06	10.33	6.75	4.25	0.31

### 30° Angle/Receptacle/Plug



PRODUCT	A	B	C	D	ØE
DSN20/DSN12c	7.80	7.10	2.50	3.75	0.18
DSN30/DSN24c	9.85	8.50	2.50	3.75	0.22
DSN60/DSN37c	10.48	9.02	2.50	3.75	0.22
DSN100	9.17	10.45	3.43	4.83	0.26
DSN150	16.06	12.05	4.83	4.83	0.28

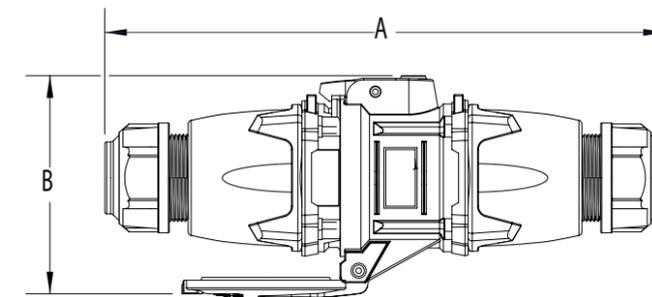
### 70° Wall Box/Receptacle



PRODUCT	A	B	C	D	E	ØF
DSN20/DSN12c	7.51	8.30	2.80	4.60	4.15	0.26
DSN30/DSN24c	7.93	9.51	2.80	4.60	4.15	0.26
DSN60*/DSN37c	8.91	11.55	2.80	6.17	5.73	0.26
DSN100	9.07	12.70	2.80	6.17	5.73	0.26

\* Box has 4 mounting feet.

### Plug/Connector



PRODUCT	A	B
DSN20/DSN12c	9.09	3.50
DSN30/DSN24c	10.43	4.57
DSN60/DSN37c	11.26	4.80
DSN100	12.17	8.03
DSN150	19.53	8.03

# 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.

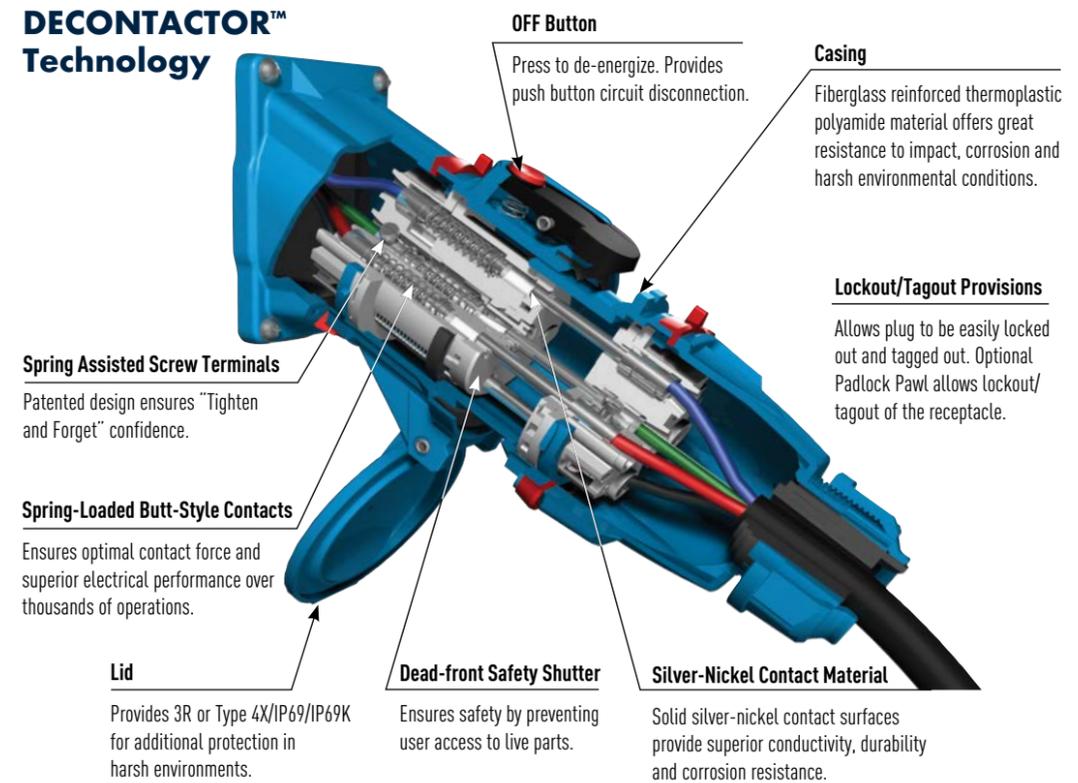
- Features and Ratings p. 42
- DS20 p. 43
- DS30 p. 45
- DS60 p. 47
- DS100 p. 49
- DS200 p. 51
- Spare Parts p. 53
- Dimensions p. 55

SCAN  
ME >>



## PRODUCT FEATURES

### DECONTACTOR™ Technology



**Spring Assisted Screw Terminals**  
Patented design ensures "Tighten and Forget" confidence.

**Spring-Loaded Butt-Style Contacts**  
Ensures optimal contact force and superior electrical performance over thousands of operations.

**Lid**  
Provides 3R or Type 4X/IP69/IP69K for additional protection in harsh environments.

**Dead-front Safety Shutter**  
Ensures safety by preventing user access to live parts.

**Silver-Nickel Contact Material**  
Solid silver-nickel contact surfaces provide superior conductivity, durability and corrosion resistance.

**OFF Button**  
Press to de-energize. Provides push button circuit disconnection.

**Casing**  
Fiberglass reinforced thermoplastic polyamide material offers great resistance to impact, corrosion and harsh environmental conditions.

**Lockout/Tagout Provisions**  
Allows plug to be easily locked out and tagged out. Optional Padlock Pawl allows lockout/tagout of the receptacle.

### 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.

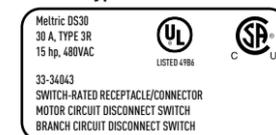
\* DS100 and DS200 are rated 65 kA. Testing was performed with RK5 time delay fuses sized at 100% of the device's rated ampacity.

### 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	

### 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.

## 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.

# DS20 Switch-Rated - 20 A

DS20

## 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

## 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	33-14165	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](http://meltric.com/international-catalog) or contact Customer Service at 800-433-7642.

## Main Options

- Auxiliary/Pilot Contacts**
- Mushroom Pawl**
- 5/16" hole**  
**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	<b>Recept # -972</b>	With 2 Auxiliary/Pilot Contacts	<b>Inlet # -972</b>
Type 4X & Self-Returning Lid	<b>Recept # -4X</b>	Type 4X Watertightness	<b>Inlet # -4X</b>
Straight Insertion	<b>Recept # -352<sup>2</sup></b>	Self-Ejecting Plug Release**	<b>Inlet # -338</b>
Self-Ejecting Connector Release**	<b>Recept # -354<sup>2</sup></b>	Without Lockout Hole	<b>Inlet # -A155</b>
Mushroom Pawl	<b>Recept # -375</b>	For Microswitch	<b>Inlet # -270<sup>3,4</sup></b>
Padlock Pawl	<b>Recept # -843</b>		
Screw-Type Locking Pawl	<b>Recept # -845</b>		
Metal Pawl (on Poly Receptacle)	<b>Recept # -824</b>		
Self-Returning Lid (Manual Close)	<b>Recept # -NC</b>		
With Microswitch	<b>Recept # -270<sup>3,4</sup></b>		

### 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.
- <sup>2</sup> This option includes the Self-Returning Lid.
- <sup>3</sup> Not UL/CSA listed.
- <sup>4</sup> Not available on 3P+N+G configurations.

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



Handle Option Guide  
pgs 237-238

# 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
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 #	Notes
	30°	512M3	
	70°	512M7	Panel mounting only.

METAL ANGLE	ANGLE	PART #
	0°	592M0
	30°	592M3

METAL ANGLE	ANGLE	PART #	Notes
	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
<td>30°</td> <td>1/2"</td> <td>512B3N05</td> <td>For poly devices only</td>	30°	1/2"	512B3N05	For poly devices only
<td>30°</td> <td>3/4"</td> <td>512B3N07</td> <td>* Interior volume with receptacle installed.</td>	30°	3/4"	512B3N07	* Interior volume with receptacle installed.

POLY WALL BOX WITH ANGLE	ANGLE	PART #	Notes
	70°	512C7000	70° poly boxes are not drilled.
	Ground Bar	51-AA089	* Interior volume with receptacle installed.

POLY ANGLE WITH METAL BOX WITH NPT	ANGLE	SIZE	PART #	Notes
<td>70°</td> <td>1/2"</td> <td>712C7N05</td> <td></td>	70°	1/2"	712C7N05	
<td>70°</td> <td>3/4"</td> <td>712C7N07</td> <td>* Interior volume with receptacle installed.</td>	70°	3/4"	712C7N07	* Interior volume with receptacle installed.
<td>70°</td> <td>1"</td> <td>712C7N10</td> <td></td>	70°	1"	712C7N10	
<td>70°</td> <td>1 1/4"</td> <td>712C7N12</td> <td></td>	70°	1 1/4"	712C7N12	
<td>70°</td> <td>1 1/2"</td> <td>712C7N15</td> <td></td>	70°	1 1/2"	712C7N15	

METAL BOX WITH NPT	ANGLE	SIZE	PART #
<td>0°</td> <td>1/2"</td> <td>7T1F0N05</td>	0°	1/2"	7T1F0N05
<td>0°</td> <td>3/4"</td> <td>7T1F0N07</td>	0°	3/4"	7T1F0N07
<td>0°</td> <td>1"</td> <td>7T1F0N10</td>	0°	1"	7T1F0N10
<td>0°</td> <td>1 1/4"</td> <td>7T1F0N12</td>	0°	1 1/4"	7T1F0N12

POLY ANGLE WITH METAL BOX WITH NPT	ANGLE	SIZE	PART #	Notes
<td>30°</td> <td>1/2"</td> <td>712C3N05</td> <td></td>	30°	1/2"	712C3N05	
<td>30°</td> <td>3/4"</td> <td>712C3N07</td> <td>* Interior volume with receptacle installed.</td>	30°	3/4"	712C3N07	* Interior volume with receptacle installed.
<td>30°</td> <td>1"</td> <td>712C3N10</td> <td></td>	30°	1"	712C3N10	
<td>30°</td> <td>1 1/4"</td> <td>712C3N12</td> <td></td>	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 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. 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.

# DS30 Switch-Rated - 30 A

DS30

### 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](http://meltric.com/international-catalog) or contact Customer Service at 800-433-7642.

### Main Options

- Auxiliary/Pilot Contacts**
- Mushroom Pawl**
- 5/16" hole**  
**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	<b>Recept # -972</b>	With 2 Auxiliary/Pilot Contacts	<b>Inlet # -972</b>
With 3 Auxiliary/Pilot Contacts	<b>Recept # -973</b>	With 3 Auxiliary/Pilot Contacts	<b>Inlet # -973</b>
With 4 Auxiliary/Pilot Contacts	<b>Recept # -974</b>	With 4 Auxiliary/Pilot Contacts	<b>Inlet # -974</b>
Type 4X & Self-Returning Lid	<b>Recept # -4X</b>	Type 4X Watertightness	<b>Inlet # -4X</b>
Straight Insertion	<b>Recept # -352<sup>2</sup></b>	Self-Ejecting Plug Release**	<b>Inlet # -338</b>
Self-Ejecting Connector Release**	<b>Recept # -354<sup>2</sup></b>	Without Lockout Hole	<b>Inlet # -A155</b>
Mushroom Pawl	<b>Recept # -375</b>	For Microswitch	<b>Inlet # -270<sup>3,4</sup></b>
Padlock Pawl	<b>Recept # -843</b>		
Screw-Type Locking Pawl	<b>Recept # -845</b>		
Metal Pawl (on Poly Receptacle)	<b>Recept # -824</b>		
Self-Returning Lid (Manual Close)	<b>Recept # -NC</b>		
With Microswitch	<b>Recept # -270<sup>3,4</sup></b>		

**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.  
<sup>2</sup> This option includes the Self-Returning Lid.  
<sup>3</sup> Not UL/CSA listed.  
<sup>4</sup> 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
Poly 1/2"	513P0N05	593P0N05
Poly 3/4"	513P0N07	593P0N07
Metal 1"	513P0N10	593P0N10
Metal 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 #	Notes
	30°	513M3	
	70°	513M7	Panel mounting only.

METAL ANGLE	ANGLE	PART #	Notes
	0°	593M0	
	30°	593M3	
	FS/FD Box 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°	1/2"	513B3N05	For poly devices only
	30°	3/4"	513B3N07	* Interior volume with receptacle installed.
	30°	1"	513B3N10	

POLY WALL BOX WITH ANGLE	ANGLE	PART #	Notes
	70°	513C7000	70° poly boxes are not drilled. * Interior volume with receptacle installed.
	Ground Bar	51-AA089	

POLY ANGLE WITH METAL BOX WITH NPT	ANGLE	SIZE	PART #	Notes
	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	

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	
	30°	3/4"	713C3N07	* Interior volume with receptacle installed.
	30°	1"	713C3N10	
	30°	1 1/4"	713C3N12	

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 cord to cord 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	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.

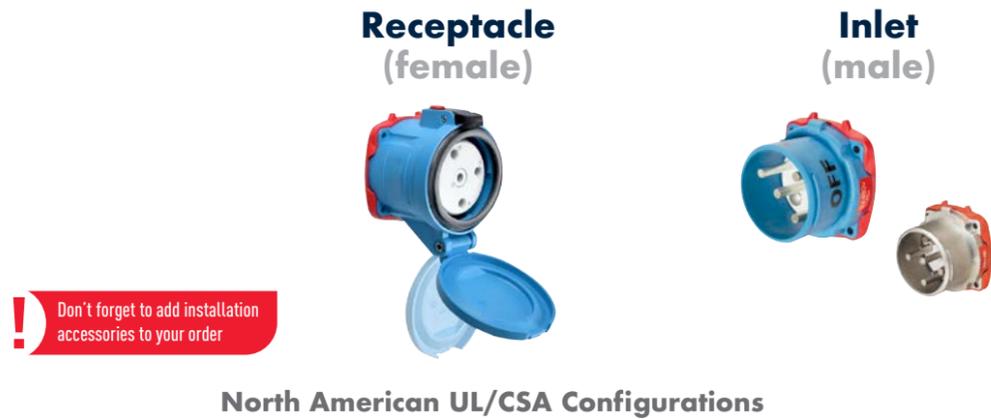
# DS60 Switch-Rated - 60 A

DS60

## 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



## 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](http://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
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 <sup>2</sup>	Self-Ejecting Plug Release**	Inlet # -338
Self-Ejecting Connector Release**	Recept # -354 <sup>2</sup>	Without Lockout Hole	Inlet # -A155
Mushroom Pawl	Recept # -375	For Microswitch	Inlet # -270 <sup>3,4</sup>
Padlock Pawl	Recept # -843	<b>Notes:</b>	
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	<sup>2</sup> This option includes the Self-Returning Lid.	
Self-Returning Lid (Manual Close)	Recept # -NC	<sup>3</sup> Not UL/CSA listed.	
With Microswitch	Recept # -270 <sup>3,4</sup>	<sup>4</sup> 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	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 #	ANGLE	PART #
	30°	514M3	70°	514M7 panel mounting only

METAL ANGLE	ANGLE	PART #
	0°	594M0
	30°	594M3
	30°	794M3L
	30° Oversized	794M3
	70°	594M7

Mounts on oversize box only. Order with 7T5FDNxx. See pg 52.

## BOXES

POLY CONDUIT ENTRY WITH NPT	ANGLE	SIZE	PART #
	30°	1/2"	514B3N05
	30°	3/4"	514B3N07
	30°	1"	514B3N10
	30°	1 1/4"	514B3N12

POLY WALL BOX WITH ANGLE	ANGLE	PART #
	70°	514C7000

POLY ANGLE WITH METAL BOX WITH NPT	ANGLE	SIZE	PART #
	70°	1/2"	714C7N05
	70°	3/4"	714C7N07
	70°	1"	714C7N10
	70°	1 1/4"	714C7N12
	70°	1 1/2"	714C7N15

METAL BOX WITH 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 WITH NPT	ANGLE	SIZE	PART #
	30°	1"	714C3N10
	30°	1 1/4"	714C3N12
	30°	1 1/2"	714C3N15
	30°	2"	714C3N20

## MISCELLANEOUS ACCESSORIES

FINGER DRAWPLATES	PART #	DESCRIPTION
	31-6A346	Set of Two (2) Recommended for cord to cord assembly applications, for easier connector closure.
	31-6A426	For Inlets/Plugs Only.
	DS6PC	Poly - For Inlets/Plugs Only.
	DS6MC	Aluminum - For Inlets/Plugs Only. -A155 suffix required on inlet part # to retain water ingress protection.
	31-6A226	For Poly Inlets/Plugs Only.
	39-6A226	For Metal Inlets/Plugs Only.
	LP-843	Requires Padlockable Pawl option (-843) on receptacle.

# DS100 Switch-Rated - 100 A

DS100

## UL/CSA Ratings

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

120 V	1Ø	3 hp
240 V	1Ø	7.5 hp
208 V	3Ø	10 hp
240 V	3Ø	10 hp
480 V	3Ø	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



! 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	33-94165	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](http://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 # -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 <sup>2</sup>	Self-Ejecting Plug Release**	Inlet # -338
Self-Ejecting Connector Release**	Recept # -354 <sup>2</sup>	Without Lockout Hole	Inlet # -A155
Mushroom Pawl	Recept # -375	For Microswitch	Inlet # -270 <sup>3,4</sup>
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 <sup>3,4</sup>		

**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.  
<sup>2</sup> This option includes the Self-Returning Lid.  
<sup>3</sup> Not UL/CSA listed.  
<sup>4</sup> Not available on 3P+N+G configurations..

**Order Example: 480 V DS100 + 2 auxiliary contacts**  
DS100 Poly inlet 3P+G = 33-98043-262



# 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	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
	0°	595M0
	30°	595M3
	30° Oversized	795M3
	70°	595M7

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

## BOXES

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

\* 108.7 in<sup>3</sup>

\* Interior volume with receptacle installed.

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

\* 111.8 in<sup>3</sup>

\* Interior volume with receptacle installed.

METAL BOX WITH NPT	ANGLE	BOX SIZE	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	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		
	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.

# DS200 Switch-Rated - 200 A

DS200

## 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



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](http://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 <sup>4</sup>	With 2 Auxiliary/Pilot Contacts	Inlet # -972 <sup>7</sup>
With 4 Auxiliary/Pilot Contacts	Recept # -174 <sup>6</sup>	With 4 Auxiliary/Pilot Contacts	Inlet # -174 <sup>3</sup>
With 6 Auxiliary/Pilot Contacts	Recept # -976 <sup>6</sup>	With 6 Auxiliary/Pilot Contacts	Inlet # -976 <sup>3</sup>
Straight Insertion	Recept # -A188 <sup>2,3</sup>	Self-Ejecting Plug Release**	Inlet # -338-A188 <sup>3</sup>
Mushroom Pawl	Recept # -375	For Microswitch	Inlet # -270 <sup>3,4</sup>
Padlock Pawl	Recept # -843	Without Lockout Hole	Inlet # -A155
Screw-Type Locking Pawl	Recept # -845		
Self-Returning Lid (Manual Close)	Recept # -NC		
With Microswitch	Recept # -270 <sup>3,4</sup>		

- Notes:**
- \*\* For self-ejecting a -443 suffix must be added to the handle part number. See page 233-234 for more information.
  - <sup>2</sup> This option includes the Self-Returning Lid.
  - <sup>3</sup> Not UL/CSA listed.
  - <sup>4</sup> Not available on 3P+N+G configurations.
  - <sup>6</sup> This option not available with N contact.
  - <sup>7</sup> 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	596P0N10
1 1/4"	516P0N12	596P0N12
1 1/2"	516P0N15	596P0N15
2"	516P0N20	596P0N20
2 1/2"	516P0N25	596P0N25
3"	-	596P0N30

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

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

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

OVERSIZED METAL HANDLE WITH NPT	PART #
1 1/4"	796P0N12
1 1/2"	796P0N15
2"	796P0N20
2 1/2"	796P0N25
3"	796P0N30

SANTOPRENE HANDLE	PART #
.984-1.377"	556P0D35
1.377-1.771"	556P0D45
1.771-1.929"	556P0D49

## ANGLES

METAL ANGLE	ANGLE	PART #
	0°	596M0
	45° Oversized	796M4
	60°	596M6
	60° Extended	597M6

## BOXES

METAL ANGLE WITH METAL BOX WITH NPT	ANGLE	CABLE RANGE	PART #
	60°	1 1/2"	796C6N15
	60°	2"	796C6N20
	60°	2 1/2"	796C6N25

\* 248.4 in<sup>3</sup> Interior volume with receptacle installed.

METAL BOX WITH NPT	ANGLE	CABLE RANGE	PART #
	0°	1 1/2"	7T6F0N15
	0°	2"	7T6F0N20
	0°	2 1/2"	7T6F0N25

METAL OVERSIZED BOX WITH NPT	ANGLE	CABLE RANGE	PART #
	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		
	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.

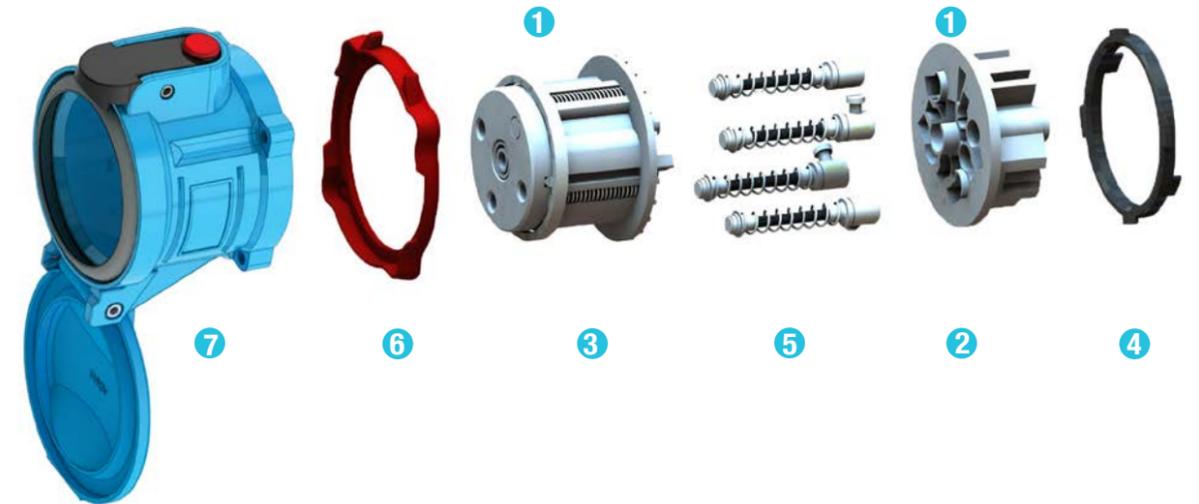
## Male Configuration



	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	37-9AJ26	37-2AJ26
	 33-1AC26	33-3AC26	33-6AC26	37-6AC26	33-9AC26	37-9AC26	37-2AC26
	 33-1AB26	33-3AB26	33-6AB26	37-6AB26	33-9AB26	37-9AB26	37-2AB26
	 33-1AR26	33-3AR26	33-6AR26	37-6AR26	33-9AR26	37-9AR26	37-2AR26
	 33-1AN26	33-3AN26	33-6AN26	37-6AN26	33-9AN26	37-9AN26	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



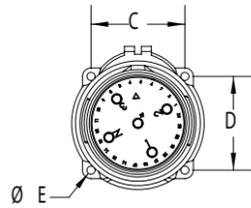
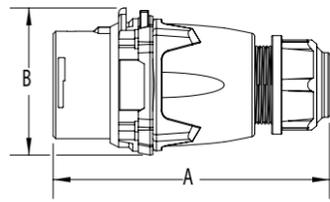
	DS20 POLY	DS30 POLY	DS60 POLY	DS60 METAL	DS100 POLY	DS100 METAL	DS200 METAL
1 Receptacle Insulator	33-1A020*	33-3A020*	33-6A020*	37-6A020*	33-9A020*	37-9A020*	37-2A020*
2 Insulator Bottom	33-1A020-B	33-3A020-B	33-6A020-B	37-6A020-B	33-9A020-B	37-9A020-B	37-2A020-B
3 Insulator Top	33-1A020-T*	33-3A020-T*	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	37-9AJ26	37-2AJ26
	 33-1AC26	33-3AC26	33-6AC26	37-6AC26	33-9AC26	37-9AC26	37-2AC26
	 33-1AB26	33-3AB26	33-6AB26	37-6AB26	33-9AB26	37-9AB26	37-2AB26
	 33-1AR26	33-3AR26	33-6AR26	37-6AR26	33-9AR26	37-9AR26	37-2AR26
	 33-1AN26	33-3AN26	33-6AN26	37-6AN26	33-9AN26	37-9AN26	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.**

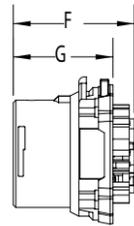


Dimensions are for reference only and may change depending on accessories used. For precise dimensions contact MELTRIC Engineering.

### Plug

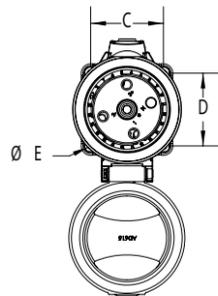
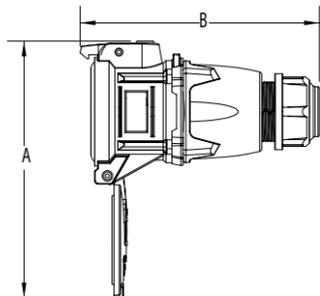


### Inlet

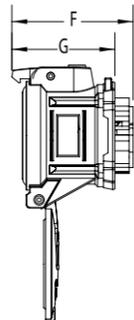


PRODUCT	A	B	C	D	øE	F	G
DS20	5.72	2.79	1.89	1.89	0.20	2.28	1.86
DS30	6.15	3.23	2.17	2.17	0.20	2.93	2.07
DS60/DS7c	6.70	3.77	2.59	2.59	0.24	3.42	2.38
DS100	8.33	4.59	3.20	3.20	0.24	4.14	3.04
DS200	10.30	5.67	3.86	3.86	0.26	4.66	3.20

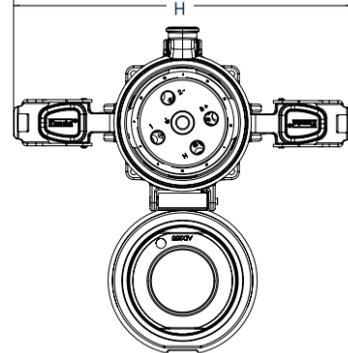
### Connector



### Receptacle



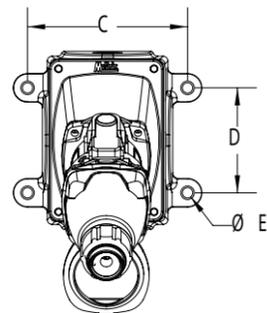
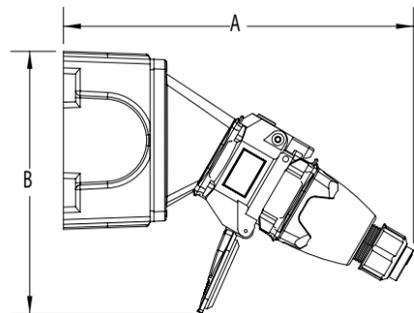
### Extended Drawbars



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

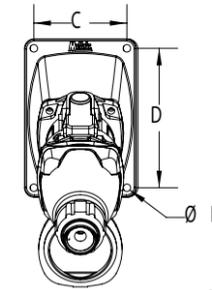
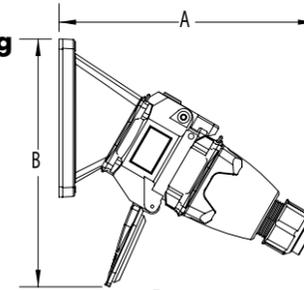
### Box/30° Angle/Receptacle/Plug

Dimensions for DR200 include 60° angle.



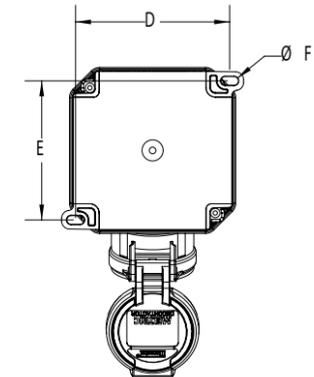
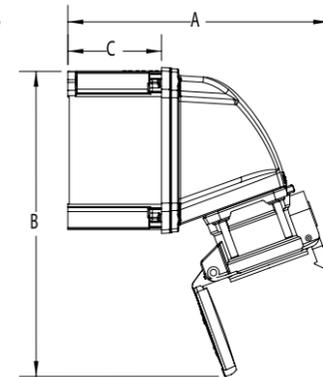
PRODUCT	A	B	C	D	øE
DS20	9.84	7.29	4.19	2.75	0.27
DS30	10.30	8.39	4.19	2.75	0.27
DS60/DS7c	11.87	10.74	5	3.81	0.33
DS100	16.06	11.77	6.75	4.25	0.31
DS200	15.76	12.70	8.13	6.38	0.31

### 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

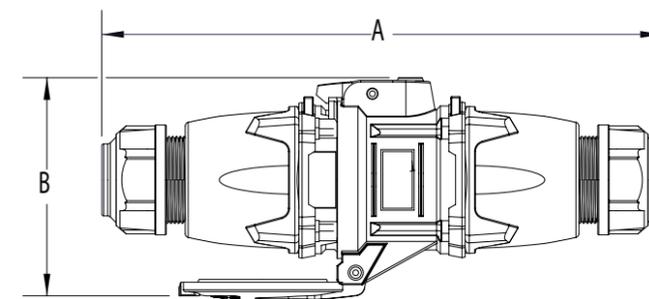
### 70° Wall Box/Receptacle



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