

DS20



# DECONTACTOR™ – 20A

## Switch Rated Plugs & Receptacles

### Receptacle (female)

### Inlet (male)



Don't forget to add installation accessories to your order



#### Ratings

- Voltage**  
600 VAC
- Switch Rating (AC Only)**  
Branch Circuit & Motor Circuit Disconnect Switching
- Horsepower Ratings**

120V	1Ø	1/2 hp
208V	3Ø	3 hp
240V	3Ø	3 hp
480V	3Ø	3 hp
600V	3Ø	7 1/2 hp
- Short Circuit Rating**  
100kA Close & Withstand  
Testing was performed with RK1 current limiting fuses sized at 400% of the highest full load motor ampacity associated with the devices hp rating.
- Environmental Ratings**  
Type 3R, IP54/IP55\*  
\* IP54 when the plug & receptacle are mated. IP55 on the receptacle alone when the lid is latched closed.
- Temperature Range**  
Min -40°F/Max 140°F  
See pg 220 for temps below -15°F.
- Wiring Capacity**  
Min 14 AWG Max 8 AWG  
Aux Contact - Max 14 AWG
- Listings**  
UL, CSA, IEC, CE\*  
\* Contact Customer Service

Voltage	Polarity	Part # Poly
120 208V	3P+N+G	33-14167
125V	1P+N+G	33-14075
125/250V	2P+N+G	33-14076
208V	2P+G	33-14162
208V	3P+G	33-14163
250V	2P+G	33-14072
250V	3P+G	33-14073
277V	1P+N+G	33-14045
277/480V	3P+N+G	33-14047
347/600V	3P+N+G	33-14147
480V	2P+G	33-14042
480V	3P+G	33-14043
600V	2P+G	33-14142
600V	3P+G	33-14143

Voltage	Polarity	Part # Poly
120 208V	3P+N+G	33-18167
125V	1P+N+G	33-18075
125/250V	2P+N+G	33-18076
208V	2P+G	33-18162
208V	3P+G	33-18163
250V	2P+G	33-18072
250V	3P+G	33-18073
277V	1P+N+G	33-18045
277/480V	3P+N+G	33-18047
347/600V	3P+N+G	33-18147
480V	2P+G	33-18042
480V	3P+G	33-18043
600V	2P+G	33-18142
600V	3P+G	33-18143

Other voltage configurations are available – contact customer service at 800.433.7642.

#### Main Options



Auxiliary/Pilot Contacts



Mushroom Pawl



Padlock Pawl



Closed Lid Configuration  
*Recommended for cord applications to keep lid tucked in to avoid damage.*



See pgs 197-206 for detailed information on these options

Receptacle Options	Suffix #
With 2 Auxiliary/Pilot Contacts	Recept # - 972
Type 4X & closed lid configuration	Recept # - 4X
Straight Insertion	Recept # - A188
Self-Ejecting Connector Release	Recept # - 348-A188
Mushroom Pawl	Recept # - 375
Padlock Pawl	Recept # - 843
Padlockable Mushroom Pawl	Recept # - 375-843
Locking Mushroom Pawl	Recept # - 845
Metal Pawl (on poly receptacle)	Recept # - 824
Closed Lid Configuration	Recept # - NC
With Auxiliary Switch	Recept # - 270*

Notes: \* Not UL/CSA Listed

Inlet Options	Suffix #
With 2 Auxiliary/Pilot Contacts	Inlet # - 972
Type 4X Watertightness	Inlet # - 4X
Self-Ejecting Plug Release	Inlet # - 338-A188
Straight Insertion	Inlet # - A188
With No Lockout Hole	Inlet # - A155
For Auxiliary Switch	Inlet # - NNF

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

#### DS20 Order Example:

To order 2 auxiliary/pilot contacts on an inlet and receptacle add -972 to the part numbers.

DS20 Poly inlet 2P+G=33-18162-972

DS20 Poly receptacle 2P+G=33-14162-972

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

# Installation Accessories

## Handles



Not NEMA 3R

NPT	Poly Handle	Cable Range	Nylon Handle	Neoprene Handle	Poly Handle w/Clamp & Bushing
1/2"	1PH12	.20 - .82	FH111	-	-
3/4"	1PH34	.32 - .88	-	31-111	-
1"	1PH1	.750 - .875	-	-	1PM514
1 1/4"	1PH114	.875 - 1.000	-	-	1PM516
		1.000 - 1.125	-	-	1PM518
		1.125 - 1.250	-	-	1PM520
		1.250 - 1.375	-	-	1PM522

**Notes:**

- Finger draw plates are recommended for easier connector closure on cord to cord assemblies.
- For available cord grips, see pgs 193-194.

## Angles



Nylon 30° Angle	Metal 30° Angle	Metal Angle FS/FD Box 30°	Metal Straight Adapter
MP2	MA2	MAFS2	MS2

## NPT Guidelines

Cable Range	NPT	Cable Range	NPT
.312 - .625	1/2"	.890 - 1.812	1 1/2"
.438 - .812	3/4"	1.190 - 2.438	2"
.660 - 1.000	1"	2.062 - 2.438	2 1/2"
.875 - 1.375	1 1/4"		

NPT sizes are determined by the cable diameter and third party cord grip.

## Junction Boxes



28.7 in³

7.0 in³

83.5 in³

NPT	Metal Box	Metal Box with Nylon Angle	Poly* Conduit Entry	Poly 70°** Wall Box
1/2"	MB312	31-1A053-080-12	MC212	51-BA058
3/4"	MB334	31-1A053-080-34	MC234	51-BA058
1"	MB31	31-1A053-080-1	-	51-BA058
1 1/4"	MB3114	31-1A053-080-114	-	51-BA058

\* For poly devices only  
 \*\* 70° boxes are not drilled. Contact customer service if factory drilling is required.  
 \* Interior volume with receptacle installed.

## Miscellaneous Accessories



\* Set of Two (2)

For Male Devices Only

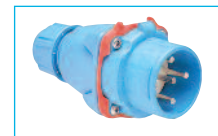
For Male Devices Only

Finger Drawplates	Protective Cap	Padlockable Plug Cap Poly	Inlet Spring-Loaded Cap	Screwdriver for Terminal Screws
FDP2	31-1A126	DS1PC	31-1A226	SD18**

\* Recommended for cord to cord assembly applications, for easier connector closure  
 \*\* Klein 608-3 1/8" cabinet tip screwdriver with 3" round shank

## Order Example

A typical order should include an inlet part number, a receptacle part number **AND** the matching handles, angles or other required accessories.



Male Inlet with Handle (Plug)  
33-18075 + FH111



Female Receptacle with Angle Adapter  
33-14075 + MP2