

# Russellstoll®

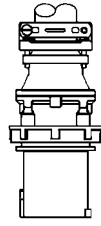
## MaxGuard® Interconnection Systems

30-400/600 Amp Plugs, Connectors, Receptacles, Inlets and Interlocked Receptacles

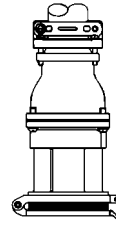
### Ordering Information

All available voltage polarizations on pg. H20.

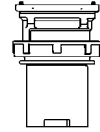
Maximum  
600 VAC  
250 VDC, Load  
Breaking



Male Plug†



Female Connector\*



Male Inlet†

Standard Ratings		Cat. No.	Std. Bushing I.D.**	Cat. No.	Std. Bushing I.D.**	Cat. No.
Poles Wires	Voltage					
<b>30 Amp / 45*</b>						
2P3W	125	DS3107MP000	7/8"	DF3107FP000	7/8"	DS3107MR000
2P3W	250	DS3207MP000	7/8"	DF3207FP000	7/8"	DS3207MR000
3P4W	125/250	DS3307MP000	1"	DF3307FP000	1"	DS3307MR000
3P4W	3Ø 480	DS3404MP000	1"	DF3404FP000	1"	DS3404MR000
4P5W	3ØY 277/480	DS3504MP000	1 1/16"	DF3504FP000	1 1/16"	DS3504MR000
<b>60 Amp / 90*</b>						
2P3W	250	DS6207MP000	1 3/16"	DF6207FP000	1 3/16"	DS6207MR000
3P4W	125/250	DS6307MP000	1 5/16"	DF6307FP000	1 5/16"	DS6307MR000
3P4W	3Ø 480	DS6404MP000	1 5/16"	DF6404FP000	1 5/16"	DS6404MR000
4P5W	3ØY 277/480	DS6504MP000	1 1/2"	DF6504FP000	1 1/2"	DS6504MR000
<b>100 Amp / 150*</b>						
2P3W	250	DS1207MP000	1 1/16"	DF1207FP000	1 1/16"	DS1207MR000
3P4W	125/250	DS1307MP000	1 1/16"	DF1307FP000	1 1/16"	DS1307MR000
3P4W	3Ø 480	DS1404MP000	1 1/16"	DF1404FP000	1 1/16"	DS1404MR000
4P5W	3ØY 277/480	DS1504MP000	2"	DF1504FP000	2"	DS1504MR000
<b>200 Amp / 300*</b>						
3P4W	277/480	DS2304MP000	2 1/4"	DF2304FP000	2 1/4"	DS2304MR000
3P4W	3Ø 480	DS2404MP000	2 1/4"	DF2404FP000	2 1/4"	DS2404MR000
4P5W	3ØY 277/480	DS2504MP000	2 1/2"	DF2504FP000	2 1/2"	DS2504MR000
<b>400 Amp / 600*</b>						
3P4W	277/480	DS4304MP000	3"	DF4304FP000	3"	DS4304MR000
3P4W	3Ø 480	DS4404MP000	3"	DF4404FP000	3"	DS4404MR000
4P5W	3ØY 277/480	DS4504MP000	3 1/4"	DF4504FP000	3 1/4"	DS4504MR000

\* Special Disconnect Service Ratings Available (Consult Factory)  
150% non-UL ratings (consult technical services) with separate disconnect service.

\*\* Standard cable bushings shown. Additional sizes available, see page H26.

† Always furnished with screw collar. **We recommend cup cap with male inlet and male plug; order catalog number DS(X)CC.** (X) is the amperage 3=30, 6=60, 1=100, 2=200 & 4=400.

**Boldface** figures are for voltage assignment; for different ratings see following pages.

▼ Control contacts for plugs/receptacles: Use "K" where noted.  
Ex: DS3104MR00K

◆ "F" Flap Cap style shown. "S" Screw Cover option also available.  
ex: "DF\_\_\_\_\_" vs. "DS\_\_\_\_\_"

• 400 AMP plugs and connectors are supplied with cast aluminum handles.

### Maximum Terminal Wire Size:

Rating	Max. Conductor Size AWG	Entrance Dia.
30	#8 AWG - 7 Strand or Flexible Conduit	.187"
60	#4 AWG - 7 Strand or Flexible Conduit	.302"
100	#0 AWG - 19 Strand or Flexible	.386"
200	#4/0 AWG - 19 Strand or Flexible	.625"
400	500MCM-37 Strand or Flexible	.937"

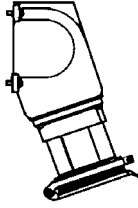
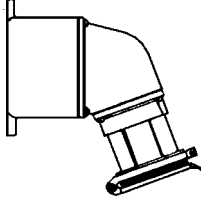
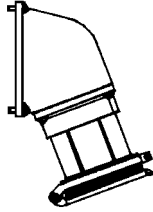
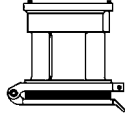
Male Inlets: Mounted same as receptacle, all options available. See pg. H29.

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## MaxGuard® Interconnection Systems

30-400/600 Amp Plugs, Connectors, Receptacles, Inlets and Interlocked Receptacles

### Ordering Information

			
Receptacle with Angle Enclosure	Receptacle with Angle Adapter & Junction Box**	Receptacle with Angle Adapter**	Receptacle Only
Cat. No.	Cat. No.	Cat. No.	Cat. No.
◆ ▼ DF3107FR0EO DF3207FR0EO DF3307FR0EO DF3404FR0EO DF3504FR0EO	◆ ▼ DF3107FRAB0 DF3207FRAB0 DF3307FRAB0 DF3404FRAB0 DF3504FRAB0	◆ ▼ DF3107FRA00 DF3207FRA00 DF3307FRA00 DF3404FRA00 DF3504FRA00	◆ ▼ DF3107FR000 DF3207FR000 DF3307FR000 DF3404FR000 DF3504FR000
DF6207FR0EO DF6307FR0EO DF6404FR0EO DF6504FR0EO	DF6207FRAB0 DF6307FRAB0 DF6404FRAB0 DF6504FRAB0	DF6207FRA00 DF6307FRA00 DF6404FRA00 DF6504FRA00	DF6207FR000 DF6307FR000 DF6404FR000 DF6504FR000
DF1207FR0EO DF1307FR0EO DF1404FR0EO DF1504FR0EO	DF1207FRAB0 DF1307FRAB0 DF1404FRAB0 DF1504FRAB0	DF1207FRA00 DF1307FRA00 DF1404FRA00 DF1504FRA00	DF1207FR000 DF1307FR000 DF1404FR000 DF1504FR000
— — —	DF2304FRAB0 DF2404FRAB0 DF2504FRAB0	DF2304FRA00 DF2404FRA00 DF2504FRA00	DF2304FR000 DF2404FR000 DF2504FR000
— — —	DF4304FRAB0 DF4404FRAB0 DF4504FRAB0	DF4304FRA00 DF4404FRA00 DF4504FRA00	DF4304FR000 DF4404FR000 DF4504FR000

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**\* Disconnect Service Ratings Available (Consult Factory)**

\*\* If receptacle is desired with a Straight Adapter instead of standard Angle Adapter, substitute "S" for the "A" in the catalog number.

**Boldface** figures are for voltage assignment; **for different ratings see following pages.** Receptacles furnished with flap cap also have screw thread to accept male collar on plug.

**Catalog numbers shown are for flap cap receptacles, change "DF" to "DS" for ordering screw cap.**

▼ Control contacts for plugs/receptacles: Use "K" where noted.  
Ex: DS3104MR00K

◆ "F" Flap Cap style shown. "S" Screw Cover option also available.  
ex: "DF\_ \_ \_ \_" vs. "DS\_ \_ \_ \_".

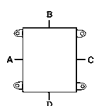
### Maximum Terminal Wire Size:

Rating	Max. Conductor Size AWG	Entrance Dia.
30	<b>#8</b> AWG - 7 Strand or Flexible Conduit	.187"
60	<b>#4</b> AWG - 7 Strand or Flexible Conduit	.302"
100	<b>#0</b> AWG - 19 Strand or Flexible	.386"
200	<b>#4/0</b> AWG - 19 Strand or Flexible	.625"
400	500MCM-37 Strand or Flexible	.937"

Conduit entry furnished at location "B" unless otherwise specified.

30 Amp 1" NPT 200 Amp 3" NPT  
60 Amp 1½" NPT 400 Amp 4" NPT  
100 Amp 2" NPT

For adapters, junction boxes and accessories,  
See pg. H29.



**Thomas & Betts**

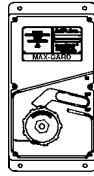
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## MaxGard® Interconnection Systems – Ordering Information

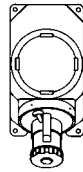
30-400/600 Amp Plugs, Connectors, Receptacles, Inlets and Interlocked Receptacles

### Interlocked Receptacles

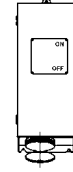
Maximum  
600 VAC or  
250 VDC



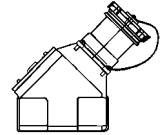
Interlocked Receptacle  
w/Circuit Breaker  
Nema 4X



Explosion-Proof  
Interlocked Receptacle  
With Circuit Breaker  
Class I, Class II



Fused Disconnect\*\*  
Interlocked Receptacle  
NEMA 12/3R



Explosion Proof  
Receptacle

Poles Wires	Voltage	Cat. No.	Cat. No.	Cat. No.	Cat. No.
<b>30 Amp</b>					
2P3W	125	DBRF310703000	DBRE310703000	DFRF31070	DSE3107FRO
2P3W	250	DBRF320703000	DBRE320703000	DFRF32070	DSE3207FRO
3P4W	3Ø250	DBRF330703000	DBRE330703000	DFRF33070	DSE3307FRO
3P4W	3Ø480	DBRF340403000	DBRE340403000	DFRF34040	DSE3404FRO
4P5W	277/480	DBRF350403000	DBRE350403000	DFRF35040	DSE3504FRO
<b>60 Amp</b>					
2P3W	250	DBRF620706000	DBRE620706000	DFRF62070	—
3P4W	125/250	DBRF630706000	DBRE630706000	DFRF63070	—
3P4W	3Ø480	DBRF640406000	DBRE640406000	DFRF64040	—
4P5W	277/480	DBRF650406000	DBRE650406000	DFRF65040	—
<b>100 Amp</b>					
2P3W	250	DBRF120710000	DBRE120710000	DFRF12070	—
3P4W	125/250	DBRF130710000	DBRE130710000	DFRF13070	—
3P4W	3Ø480	DBRF140410000	DBRE140410000	DFRF14040	—
4P5W	277/480	DBRF150410000	DBRE150410000	DFRF15040	—
<b>200 Amp</b>					
3P4W	277/480	DBRF230420000	—	—	—
3P4W	3Ø480	DBRF240420000	—	—	—
4P5W	277/480	DBRF250420000	—	—	—
<b>400 Amp</b>					
3P4W	277/480	DBRF430740000	—	—	—
3P4W	3Ø480	DBRF440440000	—	—	—
4P5W	277/480	DBRF450440000	—	—	—

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\*\* Non-fused version available. Replace DFRF with DNRF.  
**Boldface** figures are for voltage assignment; **for different ratings see following pages.**  
 ◆ "F" Flap Cap style shown. "S" Screw Cover option also available. ex: "DF\_ \_ \_ \_" vs. "DS\_ \_ \_ \_".

Notes to Catalog Numbers: Suffixes

▼ **Control Contacts**  
 (position 12)  
 use "K" example:  
 DBRF6104060K0

**Breaker Trip Ratings**  
 (positions 9, 10, 11)  
 30 amp use 030  
 50 amp use 050  
 60 amp use 060

**Shunt Trip Breaker**  
 (position 13)  
 add "Z" to above:  
 DBRF6104060KZ

**Non-Auto Switch**  
 (repl. "DBRF" with "DSRF")

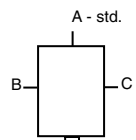
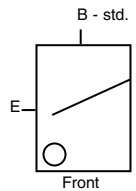
**Conduit Entries: NEMA 4X (at B or E)**

Amp	Std. NPT thread outlet	Max
30	1½"	2½"
60	1½"	2½"
100	2"	2½"

**Conduit Entries: NEMA XP (at A,B, or C)**

Amp	Std. NPT thread outlet	Max
30	1.25"	Consult Technical Services
60	1.50"	Consult Technical Services
100	2.00"	Consult Technical Services

Fused Disconnect DFRF – top entry only

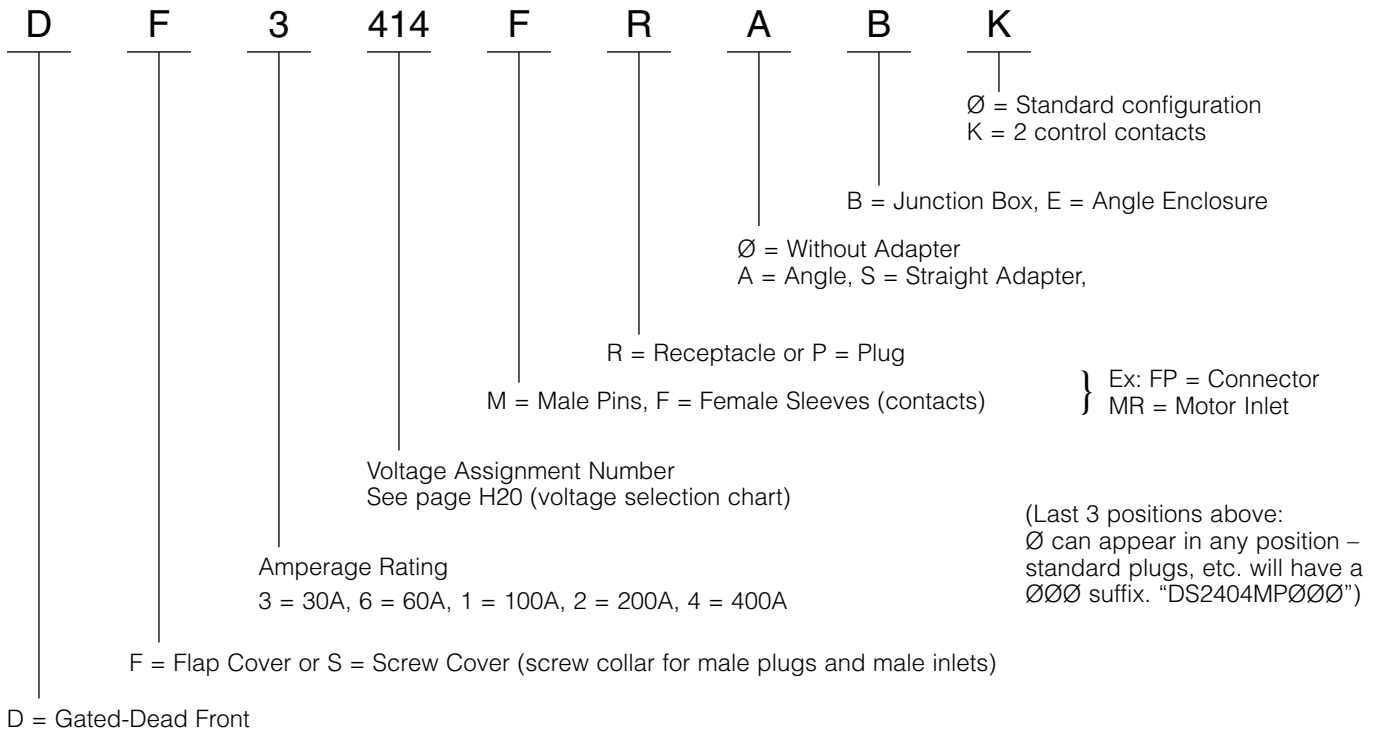


# Russellstoll®

## MaxGuard® Interconnection Systems – Catalog Numbering System

30-400/600 Amp Plugs, Connectors, Receptacles, Inlets and Interlocked Receptacles

### Receptacles, Plugs and Connectors.



### Interlocks (Standard or Explosion Proof)

