

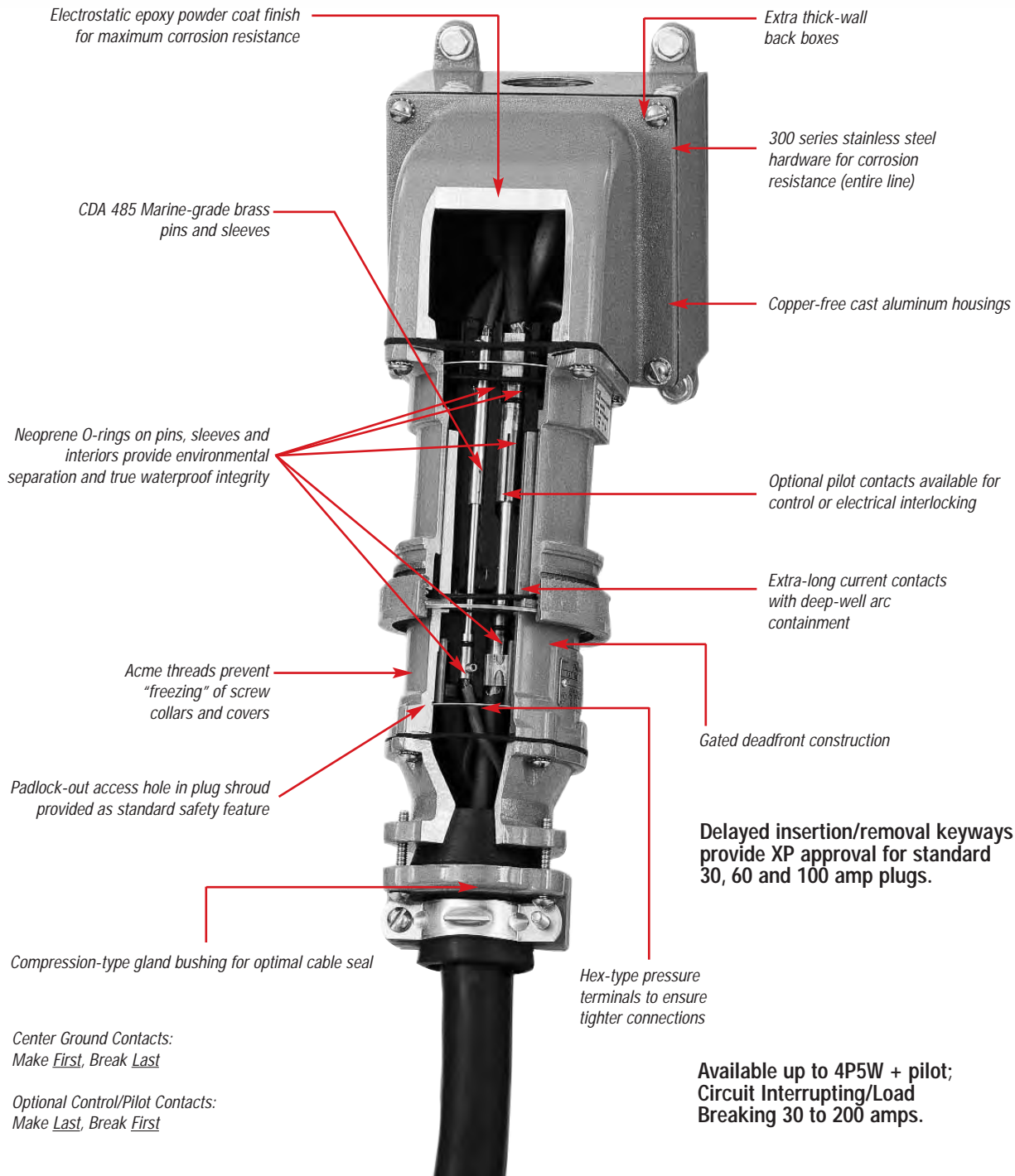
# Russellstoll®

## MaxGard® Interconnection Systems Overview

Heavy Industrial/Marine — MaxGard®

30A–400A (30–200A Load Breaking), Maximum 600VAC/250VDC Receptacles, Inlets, Plugs, Connectors, Interlocked Receptacles, Explosion-Proof Interlocked Receptacles

### Plug and Receptacle with Angle Adapter and Junction Box



Electrostatic epoxy powder coat finish for maximum corrosion resistance

Extra thick-wall back boxes

CDA 485 Marine-grade brass pins and sleeves

300 series stainless steel hardware for corrosion resistance (entire line)

Copper-free cast aluminum housings

Neoprene O-rings on pins, sleeves and interiors provide environmental separation and true waterproof integrity

Optional pilot contacts available for control or electrical interlocking

Extra-long current contacts with deep-well arc containment

Acme threads prevent "freezing" of screw collars and covers

Gated deadfront construction

Padlock-out access hole in plug shroud provided as standard safety feature

Delayed insertion/removal keyways provide XP approval for standard 30, 60 and 100 amp plugs.

Compression-type gland bushing for optimal cable seal

Hex-type pressure terminals to ensure tighter connections

Center Ground Contacts:  
Make First, Break Last

Optional Control/Pilot Contacts:  
Make Last, Break First

Available up to 4P5W + pilot;  
Circuit Interrupting/Load  
Breaking 30 to 200 amps.

Thomas & Betts

United States  
Tel: 901.252.8000  
800.326.5282  
Fax: 800.888.0690

30A–400A Plugs, Connectors, Receptacles, Inlets and Interlocked Receptacles

### Receptacles, Plugs and Connectors

Feature	Russellstoll MaxGard®	Crouse-Hinds Arkite®**	Appleton Powertite®***
Center ground contact	Yes	No	No
24 single-rated factory polarizations	Yes	No	No
Gated deadfront construction	Yes	No	No
Two optional control contacts	Yes	No	No
Marine-grade CDA485 brass pins/sleeves (200–400 amp silver-plated)	Yes	No	No
O-rings/environmental separation, full line	Yes	No	No
Available to 5-wire (4-pole, 5-wire)	Yes	30 and 60 amp only	No
Complete line epoxy powder coated — standard	Yes	No	Some

### Interlocked XP Receptacles

Feature	Russellstoll DBRE/DSRE Series	Crouse-Hinds EPC Series	Appleton EBR Series (with FB breaker)
Waterproof (DurORing™) O-ring sealing	Yes	No	No
Available to 5-wire (4-pole, 5-wire) through 100 amp	Yes	No	No
Gated deadfront	Yes	No	No
Center ground sleeve contact	Yes	No	No
24 single-rated factory polarizations	Yes	No	No
Class I, Div. 1, Groups B, C, D	Yes	Yes	Yes
Class II, Div. 1, Groups F and G	Yes	Yes	Yes*
Meets Coast Guard (was CG259) approvals	Yes	No	No

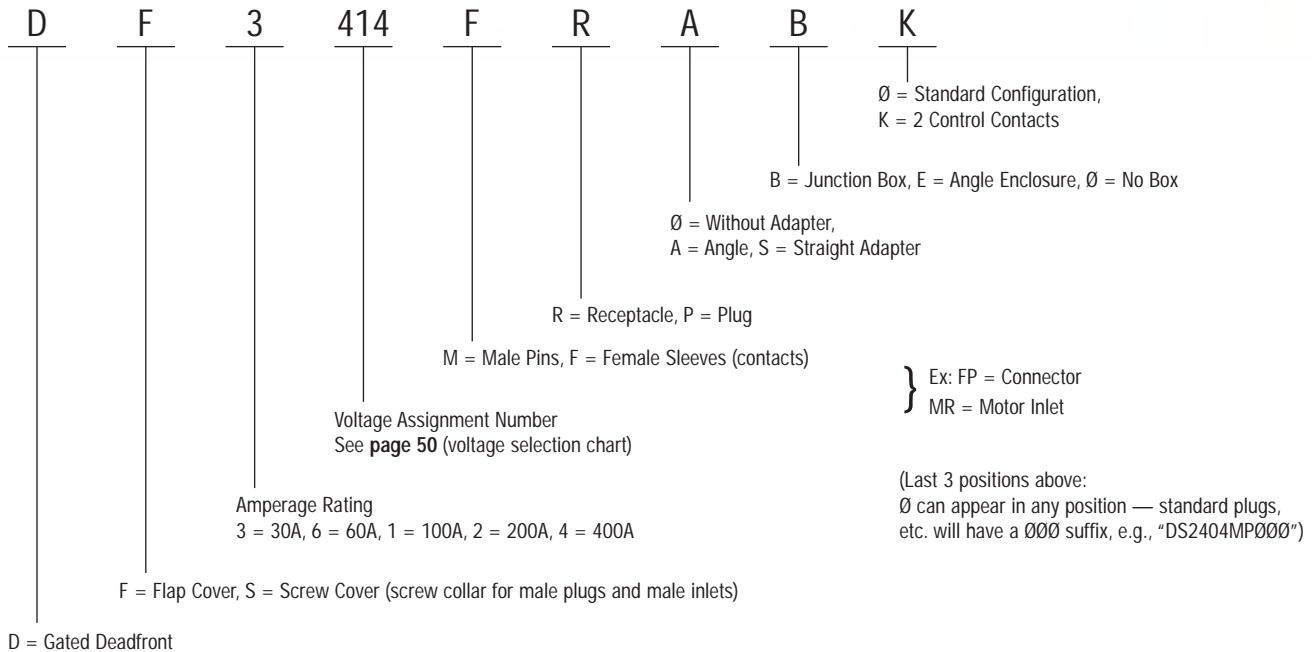
\* Group F excepting electrically conductive dusts

\*\* Crouse-Hinds and Arkite are trademarks of Cooper Industries, Inc.

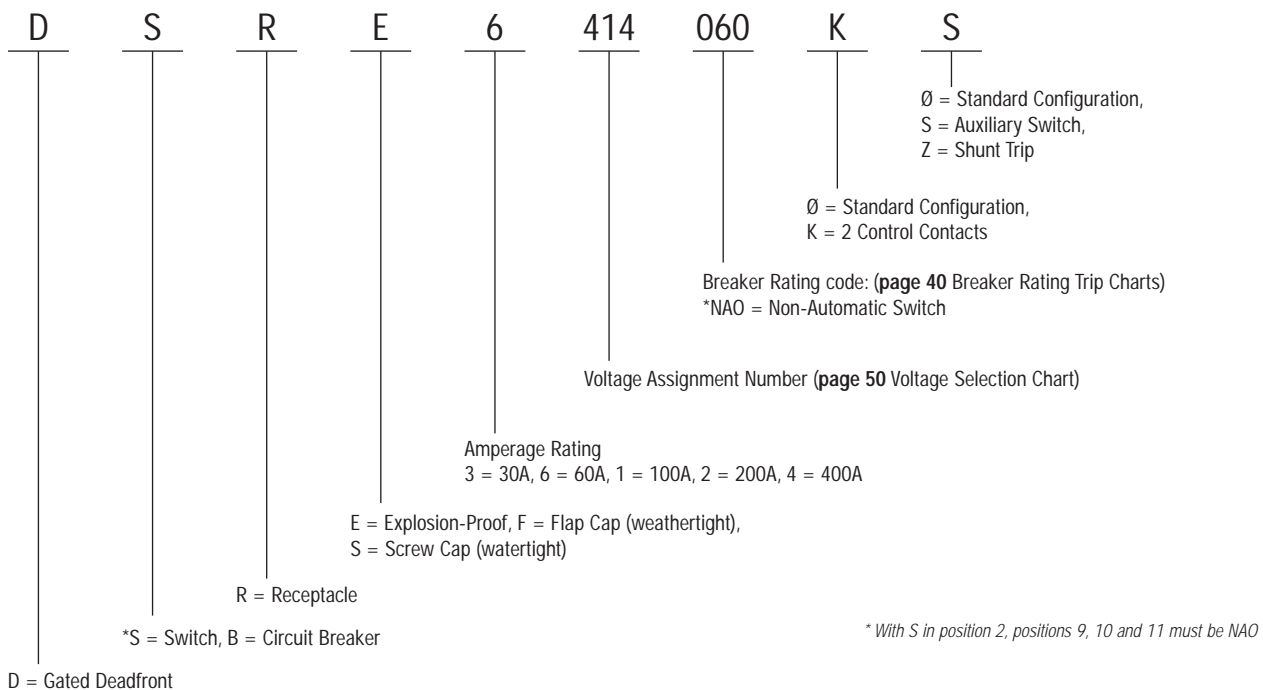
\*\*\* Appleton and Powertite are trademarks of Appleton Electric Inc.

30A–400A Plugs, Connectors, Receptacles, Inlets and Interlocked Receptacles

### Receptacles, Plugs and Connectors

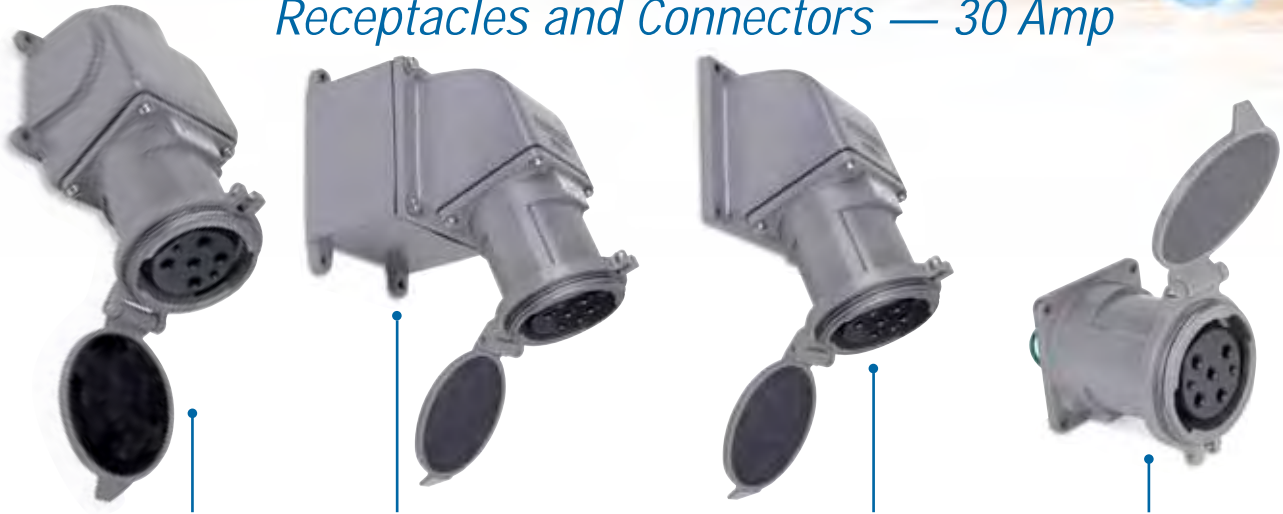


### Interlocks (Standard or Explosion-Proof)

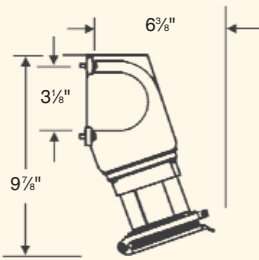


## MaxGard® Load-Breaking Plugs, Receptacles and Connectors — 30 Amp

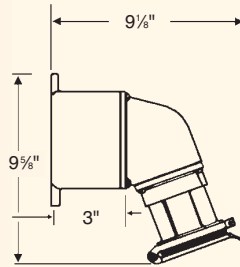
Heavy Industrial/Marine — MaxGard®



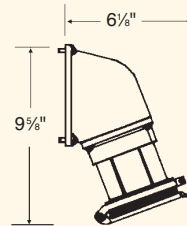
**Female Receptacle with Angle Enclosure**



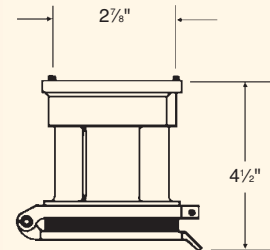
**Female Receptacle with Angle Adapter\*\* and DJB3 Junction Box**



**Female Receptacle with Angle Adapter\*\***



**Female Receptacle**



CAT. NO.

DF3104FR0E0  
DF3107FR0E0

CAT. NO.

DF3104FRAB0  
DF3107FRAB0

CAT. NO.

DF3104FRA00  
DF3107FRA00

CAT. NO.

DF3104FR000  
DF3107FR000

DF3204FR0E0  
DF3207FR0E0  
DF3214FR0E0  
DF3216FR0E0

DF3204FRAB0  
DF3207FRAB0  
DF3214FRAB0  
DF3216FRAB0

DF3204FRA00  
DF3207FRA00  
DF3214FRA00  
DF3216FRA00

DF3204FR000  
DF3207FR000  
DF3214FR000  
DF3216FR000

DF3304FR0E0  
DF3307FR0E0  
DF3316FR0E0

DF3304FRAB0  
DF3307FRAB0  
DF3316FRAB0

DF3304FRA00  
DF3307FRA00  
DF3316FRA00

DF3304FR000  
DF3307FR000  
DF3316FR000

DF3404FR0E0  
DF3407FR0E0  
DF3414FR0E0  
DF3416FR0E0  
DF3421FR0E0

DF3404FRAB0  
DF3407FRAB0  
DF3414FRAB0  
DF3416FRAB0  
DF3412FRAB0

DF3404FRA00  
DF3407FRA00  
DF3414FRA00  
DF3416FRA00  
DF3421FRA00

DF3404FR000  
DF3407FR000  
DF3414FR000  
DF3416FR000  
DF3421FR000

DF3504FR0E0  
DF3514FR0E0  
DF3516FR0E0  
DF3521FR0E0

DF3504FRAB0  
DF3514FRAB0  
DF3516FRAB0  
DF3521FRAB0

DF3504FRA00  
DF3514FRA00  
DF3516FRA00  
DF3521FRA00

DF3504FR000  
DF3514FR000  
DF3516FR000  
DF3521FR000

### Single Polarization/Multiple Service\* Assigned Voltages and Wiring Systems

N-R1-G		R1-S2-G		N-R1-S2-G		R1-S2-T3-G		N-R1-S2-T3-G		2P+G(DC)		
VOLTAGE ASSIGN.		VOLTAGE ASSIGN.		VOLTAGE ASSIGN.		VOLTAGE ASSIGN.		VOLTAGE ASSIGN.		VOLTAGE ASSIGN.		
NO.	VOLTAGE	NO.	VOLTAGE	NO.	VOLTAGE	NO.	VOLTAGE	NO.	VOLTAGE	NO.	VOLTAGE	INDEX
101	220V-50Hz	201	380V-50Hz	301	220/380V-50Hz	401	380V-50Hz	501	220/380V-50Hz			01
103	127V-50Hz	203	220V-50Hz	303	220/127V-50Hz	403	220V-50Hz	503	220/127V-50Hz			03
104	277V-60Hz	204	480V-60Hz	304	277/480V-60Hz	404	3Ø 480V-60Hz	504	3ØY 277/480V-60Hz			04
105	250V-50Hz	205	440V-50Hz	305	250/440V-50Hz	405	3Ø 440V-50Hz	505	3Ø 250/440V-50Hz			05
107	125V-60Hz	207	250V-60Hz	307	125/250V-60Hz	407	3Ø 250V-60Hz	507	3ØY 125/250V-60Hz			07
108	220V-60Hz	208	380V-60Hz	308	220/380V-60Hz	408	3Ø 380V-60Hz	508	3Ø 220/380V-60Hz			08
109	100V-60Hz	209	220V-60Hz	309	100/220V-60Hz	409	3Ø 220V-60Hz	509	3Ø 100/220V-60Hz			09
111	115V-400Hz	211	220V-400Hz	311	220/115V-400Hz	411	220V-400Hz	511	220/115V-400Hz			11
	—		—		—		—	513	230V DC	613	250 VDC	13
114	347V-60Hz	214	600V-60Hz	314	347/600V-60Hz	414	3Ø 600V-60Hz	514	3ØY 347/600V-60Hz			14
115	100V-50Hz	215	220V-50Hz	315	100/220V-50Hz	415	3Ø 220V-50Hz	515	3Ø 100/220V-50Hz			15
116	120V-60Hz	216	208V-60Hz	316	120/208V-60Hz	416	3Ø 208V-60Hz	516	3ØY 120/208V-60Hz			16
117	120V-400Hz	217	208V-400Hz	317	120/208V-400Hz	417	3Ø 208V-400Hz	517	3Ø 120/208V-400Hz			17
	—		—		—		208V			618	28 VDC	18
	—	221	440V-60Hz	321	250/440V-60Hz	421	3Ø 440V-60Hz	521	3ØY 250/440V-60Hz			20
	—						250V					21
	—						480V					22
	—						600V					23
	—											24

MaxGard receptacles and plugs may be furnished in any of the above voltage and phasing systems.

To order any device in a voltage and phasing not shown in the preceding catalog pages, substitute the Voltage Assignment Number in the **above** chart for that portion of the listed catalog number appearing in **boldface** type.

Example: 200 Amp Weathertight Receptacle with Flap Cover, Angle Adapter and Junction Box for 3Ø 480 volt (3-pole and ground) is DF2404FRAB0.

To change to 3Ø 208 volt, the catalog number becomes DF2416FRAB0.

**NOTE:** All devices may be furnished with two control contacts. Add "K" to the end of the catalog number, in place of last position Ø.

**\* Dual-Voltage or Multiple-Service Applications** (for any given polarization number) — Example: A factory installation may consist of all receptacles specified and wired at polarization "507." This is a 3ph.Y-125/250V-60Hz supply. However, all circuit requirements "below" (507) can also be met; for instance a "207" plug will draw phasing for 250V-60Hz operation of equipment as well, while another ".507" receptacle supplies power for a 3-phase motor installation. See chart **above**.

For non-interrupting polarizations at 45, 90, 150, 300, 600A ratings, consult Technical Services.