

MaxGard® Interconnection Systems

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

Receptacles, Plugs and Connectors

FEATURE	RUSSELLSTOLL MAXGARD®	CROUSE-HINDS ARKTITE®**	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 Arktite are trademarks of Cooper Industries, Inc.

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

MaxGard® Interconnection Systems

30 Amp Standard Service

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

† Standard cable bushings shown; see **page H-334** for other sizes available at no extra cost if specified on order.

†† Always furnished with screw collar. We recommend cup cap with male plug; order catalog number DS3CC.

Maximum lug wire 8 AWG 7-strand or flexible, cable entrance .187" diameter.

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.

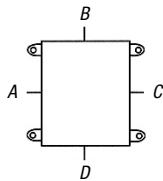
Boldface figures are for voltage assignment.

For different ratings, see **page H-340**.

Outlet furnished at location "B" unless otherwise specified. 1" NPT.

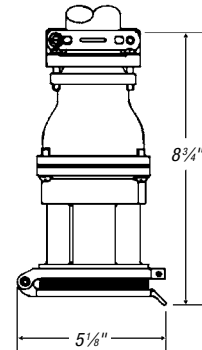
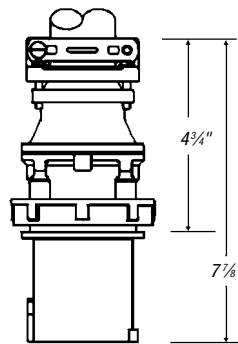
▼ **Control contacts for plug/receptacles:**
Use "K" where noted. Ex: DS3104MP00K

For Adapters, Junction Boxes and Accessories,
see **pages H-334–H-337**.



Male Plug††

Female Connector



Device Ratings and Polarizations

Maximum 600VAC or 250VDC

(For full polarization, see **page H-340**)

POLE	WIRE	CONDUCTOR PLACEMENT	VOLTAGE 60 HZ	CAT. NO.	STANDARD BUSHING I.D.†	CAT. NO.	STANDARD BUSHING I.D.†
2	3		277	DS3104MP000	7/8"	DF3104FP000	7/8"
			125	DS3107MP000		DF3107FP000	
2	3		480	DS3204MP000	7/8"	DF3204FP000	7/8"
			250	DS3207MP000		DF3207FP000	
			600	DS3214MP000		DF3214FP000	
			208	DS3216MP000		DF3216FP000	
3	4		277/480	DS3304MP000	1"	DF3304FP000	1"
			125/250	DS3307MP000		DF3307FP000	
			120/208	DS3316MP000		DF3316FP000	
3	4		3Ø 480	DS3404MP000	1"	DF3404FP000	1"
			3Ø 250	DS3407MP000		DF3407FP000	
			3Ø 600	DS3414MP000		DF3414FP000	
			3Ø 208	DS3416MP000		DF3416FP000	
			3Ø 440	DS3421MP000		DF3421FP000	
4	5		3ØY 277/480	DS3504MP000	1 3/16"	DF3504FP000	1 3/16"
			3ØY 347/600	DS3514MP000		DF3514FP000	
			3ØY 120/208	DS3516MP000		DF3516FP000	
			3ØY 250/440	DS3521MP000		DF3521FP000	

MaxGard® Interconnection Systems

30 Amp Reverse Service

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

† Standard cable bushings shown; see **page H-334** for other sizes available at no extra cost if specified on order.

†† Always furnished with screw collar. We recommend cup cap with male plug; order catalog number DS3CC.

Maximum lug wire 4 AWG 7-strand or flexible, cable entrance .187" diameter.

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.

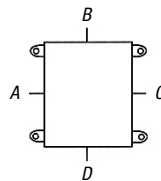
Boldface figures are for voltage assignment.

For different ratings, see **page H-340**.

Outlet furnished at location "B" unless otherwise specified. 1" NPT.

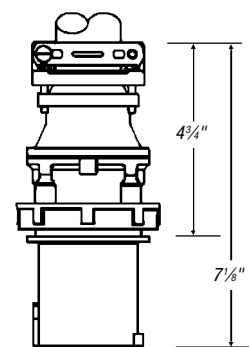
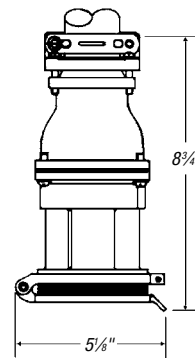
▼ **Control contacts for plug/receptacles:**
Use "K" where noted. Ex: **DS3104MR00K**

For Adapters, Junction Boxes and Accessories,
see **pages H-334–H-337**.



Female Connector

Male Plug††



Device Ratings and Polarizations

Maximum 600VAC or 250VDC

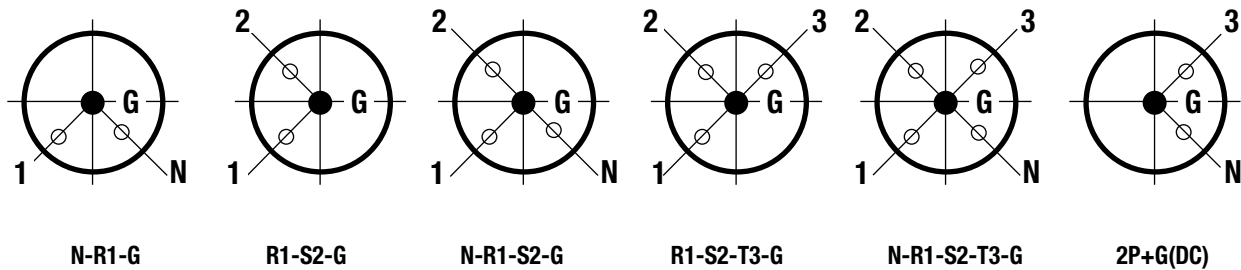
(For full polarization, see **page H-340**)

POLE	WIRE	CONDUCTOR PLACEMENT	VOLTAGE 60 HZ	CAT. NO.	STANDARD BUSHING I.D.†	CAT. NO.	STANDARD BUSHING I.D.†
2	3		277	DF3104FP000	7/8"	DS3104MP000	7/8"
			125	DF3107FP000		DS3107MP000	
2	3		480	DF3204FP000	7/8"	DS3204MP000	7/8"
			250	DF3207FP000		DS3207MP000	
			600	DF3214FP000		DS3214MP000	
			208	DF3216FP000		DS3216MP000	
3	4		277/480	DF3304FP000	1"	DS3304MP000	1"
			125/250	DF3307FP000		DS3307MP000	
			120/208	DF3316FP000		DS3316MP000	
3	4		3Ø 480	DF3404FP000	1"	DS3404MP000	1"
			3Ø 250	DF3407FP000		DS3407MP000	
			3Ø 600	DF3414FP000		DS3414MP000	
			3Ø 208	DF3416FP000		DS3416MP000	
			3Ø 440	DF3421FP000		DS3421MP000	
4	5		3ØY 277/480	DF3504FP000	1 3/16"	DS3504MP000	1 3/16"
			3ØY 347/600	DF3514FP000		DS3514MP000	
			3ØY 120/208	DF3516FP000		DS3516MP000	
			3ØY 250/440	DF3521FP000		DS3521MP000	

MaxGard® Interconnection Systems

Single Polarization/Multiple Service* Assigned Voltages and Wiring Systems

Power & High Voltage — Russellstoll® Pin & Sleeve Power Connectors



VOLTAGE ASSIGN. NO.	VOLTAGE	VOLTAGE ASSIGN. NO.	VOLTAGE	VOLTAGE ASSIGN. NO.	VOLTAGE	VOLTAGE ASSIGN. NO.	VOLTAGE	VOLTAGE ASSIGN. NO.	VOLTAGE	VOLTAGE ASSIGN. NO.	VOLTAGE	INDEX
101	220V-50 Hz	201	380V-50 Hz	301	220/380V-50 Hz	401	380V-50 Hz	501	220/380V-50 Hz			01
103	127V-50 Hz	203	220V-50 Hz	303	220/127V-50 Hz	403	220V-50 Hz	503	220/127V-50 Hz			03
104	277V-60 Hz	204	480V-60 Hz	304	277/480V-60 Hz	404	3Ø 480V-60 Hz	504	3ØY 277/480V-60 Hz			04
105	250V-50 Hz	205	440V-50 Hz	305	250/440V-50 Hz	405	3Ø 440V-50 Hz	505	3Ø 250/440V-50 Hz			05
107	125V-60 Hz	207	250V-60 Hz	307	125/250V-60 Hz	407	3Ø 250V-60 Hz	507	3ØY 125/250V-60 Hz			07
108	220V-60 Hz	208	380V-60 Hz	308	220/380V-60 Hz	408	3Ø 380V-60 Hz	508	3Ø 220/380V-60 Hz			08
109	100V-60 Hz	209	220V-60 Hz	309	100/220V-60 Hz	409	3Ø 220V-60 Hz	509	3Ø 100/220V-60 Hz			09
111	115V-400 Hz	211	220V-400 Hz	311	220/115V-400 Hz	411	220V-400 Hz	511	220/115V-400 Hz			11
	—		—		—		—	513	230V DC	613	250 VDC	13
114	347V-60 Hz	214	600V-60 Hz	314	347/600V-60 Hz	414	3Ø 600V-60 Hz	514	3ØY 347/600V-60 Hz			14
115	100V-50 Hz	215	220V-50 Hz	315	100/220V-50 Hz	415	3Ø 220V-50 Hz	515	3Ø 100/220V-50 Hz			15
116	120V-60 Hz	216	208V-60 Hz	316	120/208V-60 Hz	416	3Ø 208V-60 Hz	516	3ØY 120/208V-60 Hz			16
117	120V-400 Hz	217	208V-400 Hz	317	120/208V-400 Hz	417	3Ø 208V-400 Hz	517	3Ø 120/208V-400 Hz			17
	—		—		—		208V		—	618	28 VDC	18
	—		—		—		—		—			20
	—	221	440V-60 Hz	321	250/440V-60 Hz	421	3Ø 440V-60 Hz	521	3ØY 250/440V-60 Hz			21
	—		—		—		250V		Reserved			22
	—		—		—		480V		Reserved			23
	—		—		—		600V		Reserved			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-60 Hz supply. However, all circuit requirements "below" (507) can also be met; for instance a "207" plug will draw phasing for 250V-60 Hz 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.