

MaxGard® Interconnection Systems

400 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 34** 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 DS4CC.

Maximum lug wire 500 kcmil 37-strand or flexible, cable entrance .937" diameter.

Receptacles furnished with flap cap also have screw thread to accept male collar on plug.

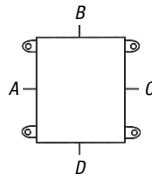
Catalog numbers shown are for flap cap receptacles; change "DF" to "DS" for ordering screw cap.

Boldface figures are for voltage assignment. For different ratings, see **page 40**.

Outlet furnished at location "B" unless otherwise specified. 4" NPT.

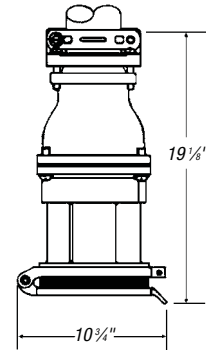
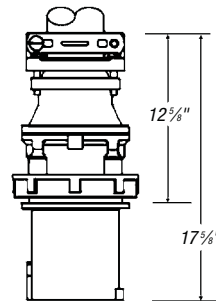
▼ **Control contacts for plug/receptacles:**
Use "K" where noted. Ex: **DS4104MP00K**

For Adapters, Junction Boxes and Accessories, see **pages 34-37**.



Male Plug††

Female Connector



Device Ratings and Polarizations

Maximum 600VAC or 250VDC

(For full polarization, see **page 40**)

POLE	WIRE	CONDUCTOR PLACEMENT	VOLTAGE 60 HZ	CAT. NO.	STANDARD BUSHING I.D. †	CAT. NO.	STANDARD BUSHING I.D. †		
2	3		277	DS4104MP000	2 1/4"	DF4104FP000	2 1/4"		
			125	DS4107MP000		DF4107FP000			
2	3		480	DS4204MP000		DF4204FP000			
			250	DS4207MP000		DF4207FP000			
			600	DS4214MP000		DF4214FP000			
			208	DS4216MP000		DF4216FP000			
3	4		277/480	DS4304MP000	3"	DF4304FP000	3"		
			125/250	DS4307MP000		DF4307FP000			
			120/208	DS4316MP000		DF4316FP000			
3	4		3Ø 480	DS4404MP000		3"		DF4404FP000	3"
			3Ø 250	DS4407MP000				DF4407FP000	
			3Ø 600	DS4414MP000				DF4414FP000	
			3Ø 208	DS4416MP000	DF4416FP000				
			3Ø 440	DS4421MP000	DF4421FP000				
4	5		3ØY 277/480	DS4504MP000	3 1/4"	DF4504FP000	3 1/4"		
			3ØY 347/600	DS4514MP000		DF4514FP000			
			3ØY 110/208	DS4516MP000		DF4516FP000			
			3ØY 250/440	DS4521MP000		DF4521FP000			

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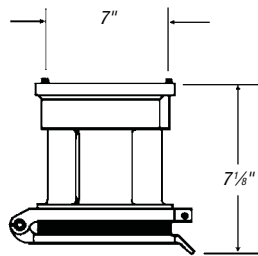
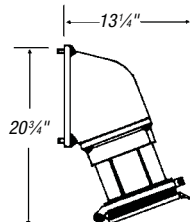
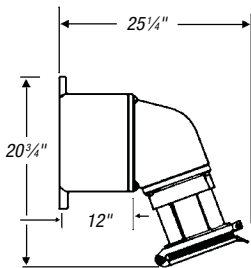
Female Receptacle with Angle Adapter** and Junction Box



Female Receptacle with Angle Adapter**



Female Receptacle



CAT. NO.	CAT. NO.	CAT. NO.
DF4104FRAB0	DF4104FRA00	DF4104FR000
DF4107FRAB0	DF4107FRA00	DF4107FR000
DF4204FRAB0	DF4204FRA00	DF4204FR000
DF4207FRAB0	DF4207FRA00	DF4207FR000
DF4214FRAB0	DF4214FRA00	DF4214FR000
DF4216FRAB0	DF4216FRA00	DF4216FR000
DF4304FRAB0	DF4304FRA00	DF4304FR000
DF4307FRAB0	DF4307FRA00	DF4307FR000
DF4316FRAB0	DF4316FRA00	DF4316FR000
DF4404FRAB0	DF4404FRA00	DF4404FR000
DF4407FRAB0	DF4407FRA00	DF4407FR000
DF4414FRAB0	DF4414FRA00	DF4414FR000
DF4416FRAB0	DF4416FRA00	DF4416FR000
DF4421FRAB0	DF4421FRA00	DF4421FR000
DF4504FRAB0	DF4504FRA00	DF4504FR000
DF4514FRAB0	DF4514FRA00	DF4514FR000
DF4516FRAB0	DF4516FRA00	DF4516FR000
DF4521FRAB0	DF4521FRA00	DF4521FR000

Shore-to-ship power



SOLUTION 200 Amp

Application:

Shore power to marine vessels — sightseeing boats

When docked, marine vessels need shore power when their engines aren't running. Dockside designs need to be as safe as possible during heavy use, rough treatment and adverse weather conditions. High amperage-rated systems are installed using parallel power delivery with cross-network protection.

Installation:

400-amp male inlets and power connectors with control contacts

Watertight devices are necessary for dockside installations. MaxGard® connections go further with O-rings on both pins and interiors for environmental separation and true waterproof performance. The male inlet center ground pin feature and keyed entry design align easily, make ground first and break last, while quarter-turn insertion delayed-action removal and locking screw collars provide accidental pull-out protection. Upon connector insertion, two auxiliary control contacts complete a contactor circuit, which powers the line through a make-last-and-break-first configuration. Contactors are installed separately in an on-shore sheltered power distribution panel.

This can be wired for each contactor or for multiple connections; if one plug is removed, power is cut off.

Russellstoll® Pin and Sleeve Power Connectors