

## 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.

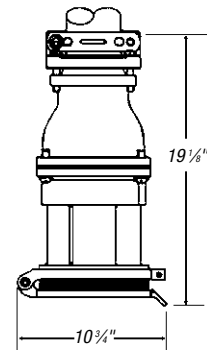
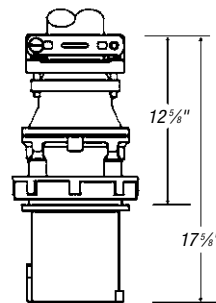
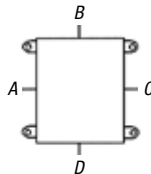
▼ **Control contacts for plug/receptacles:**  
Use "K" where noted. Ex: **DS4104MP00K**

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

## MaxGard® Interconnection Systems



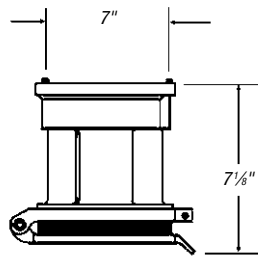
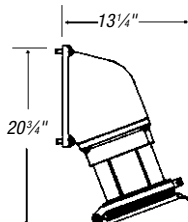
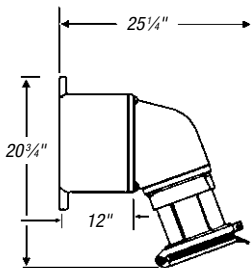
Female Receptacle  
with Angle Adapter\*\*  
and Junction Box



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.

MaxGard® Interconnection Systems

400 Amp Reverse Service

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†† 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.

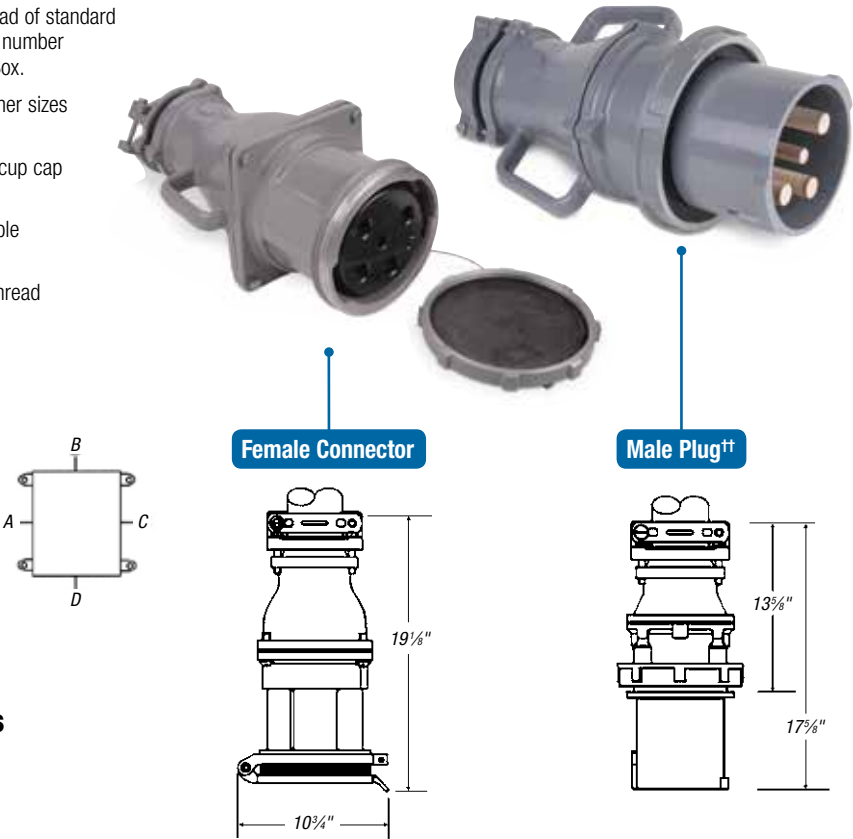
▼ **Control contacts for plug/receptacles:**  
Use "K" where noted. Ex: DS4104MR00K

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

Device Ratings and Polarizations

Maximum 600VAC or 250VDC

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

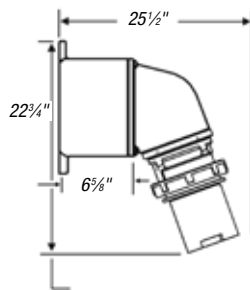


| POLE | WIRE | CONDUCTOR PLACEMENT | VOLTAGE 60 HZ                                            | CAT. NO.                                                                                                   | STANDARD BUSHING I.D.† | CAT. NO.                                                             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

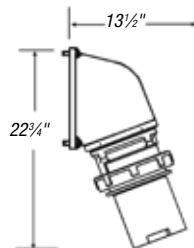
## MaxGard® Interconnection Systems



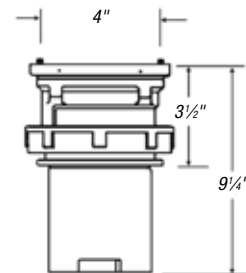
Male Inlet with  
Angle Adapter\*\*  
and Junction Box



Male Inlet with  
Angle Adapter\*\*



Male Inlet††



| CAT. NO.    | CAT. NO.    | CAT. NO.    |
|-------------|-------------|-------------|
| DS4104MRAB0 | DS4104MRA00 | DS4104MR000 |
| DS4107MRAB0 | DS4107MRA00 | DS4107MR000 |
| DS4204MRAB0 | DS4204MRA00 | DS4204MR000 |
| DS4207MRAB0 | DS4207MRA00 | DS4207MR000 |
| DS4214MRAB0 | DS4214MRA00 | DS4214MR000 |
| DS4216MRAB0 | DS4216MRA00 | DS4216MR000 |
| DS4304MRAB0 | DS4304MRA00 | DS4304MR000 |
| DS4307MRAB0 | DS4307MRA00 | DS4307MR000 |
| DS4316MRAB0 | DS4316MRA00 | DS4316MR000 |
| DS4404MRAB0 | DS4404MRA00 | DS4404MR000 |
| DS4407MRAB0 | DS4407MRA00 | DS4407MR000 |
| DS4414MRAB0 | DS4414MRA00 | DS4414MR000 |
| DS4416MRAB0 | DS4416MRA00 | DS4416MR000 |
| DS4421MRAB0 | DS4421MRA00 | DS4421MR000 |
| DS4504MRAB0 | DS4504MRA00 | DS4504MR000 |
| DS4514MRAB0 | DS4514MRA00 | DS4514MR000 |
| DS4516MRAB0 | DS4516MRA00 | DS4516MR000 |
| DS4521MRAB0 | DS4521MRA00 | DS4521MR000 |