

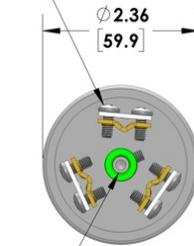


### Model 4100

Four Conductors, 3@100amps & 1@60amps 500V



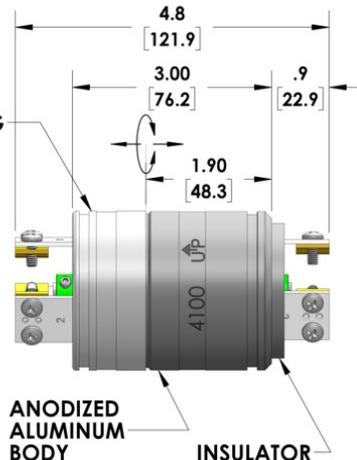
#1-#3 TERMINAL CLAMPS 2 TO 8 AWG FLEXIBLE CABLE



#4 TERMINAL (GROUND) 8 AWG MAX

in [mm]

PLASTIC BUSHING



ANODIZED ALUMINUM BODY

INSULATOR

Wire connection clamps included

#### ONE CONDUCTOR

- [10 Amp \(Model 110\)](#)
- [10 Amp \(Model 110-T\)](#)
- [250 Amp \(Model 1250\)](#)
- [500 Amp \(Model 1500\)](#)

#### TWO CONDUCTOR

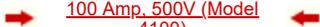
- [4 Amp \(Model 205\)](#)
- [30 Amp, 250V \(Model 230\)](#)
- [30 Amp, 500V \(Model 235\)](#)
- [15 Amp, 2,000V \(Model 215-2K\)](#)

#### THREE CONDUCTOR

- [4 Amp \(Model 305\)](#)
- [4 & 30 Amp \(Model 331\)](#)
- [30 Amp, 250V \(Model 330\)](#)
- [30 Amp, 500V \(Model 335\)](#)

#### FOUR CONDUCTOR

- [4 & 30 Amp \(Model 430\)](#)
- [30 Amp, 500V \(Model 435\)](#)
- [100 Amp, 500V \(Model 4100\)](#)



#### SIX CONDUCTOR

- [4 & 30 Amp \(Model 630\)](#)

#### EIGHT CONDUCTOR

- [4 & 30 Amp \(Model 830\)](#)

Model No.	Terminals	Voltage AC/DC	Amp Rating @500VAC	Max. Freq. MHz	Contact Resistance	Max. RPM	Temp Max. F (C) / Min. F (C)	Rotation Torque (gm-cm)	Circuit Separation
4100	4	0-500	3@100,1@60	100	<1mΩ	100	160(70) /-20(-29)	2500	>50MΩ

Connector housing material is anodized aluminum

### Model 4100 Standard Wire Connections



### Model 4100 Accessories



**41080**  
Grounding Collar w/ screw  
(qty 2 included)

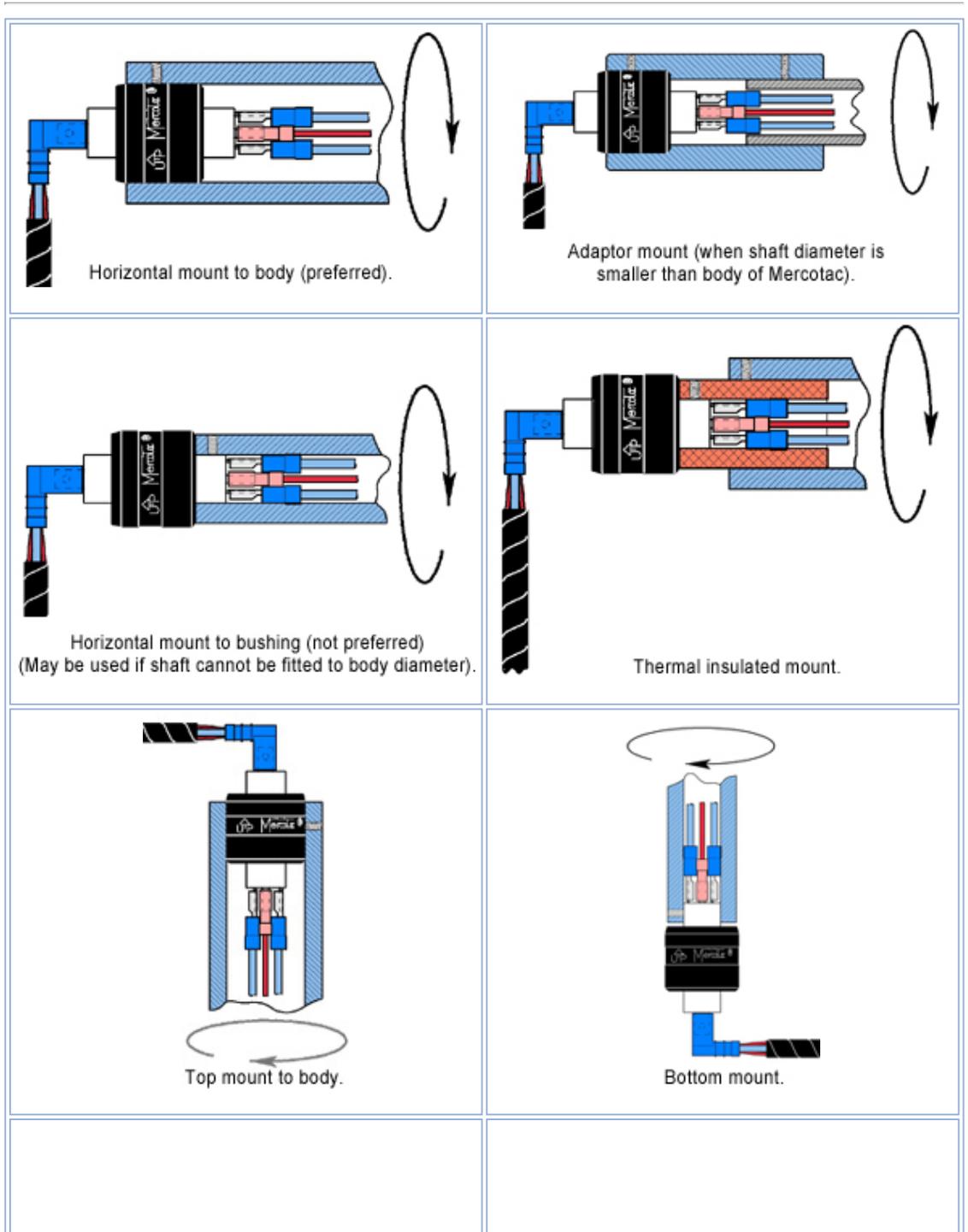
**41081**  
Tab Clamp w/ screws  
(qty 6 included)

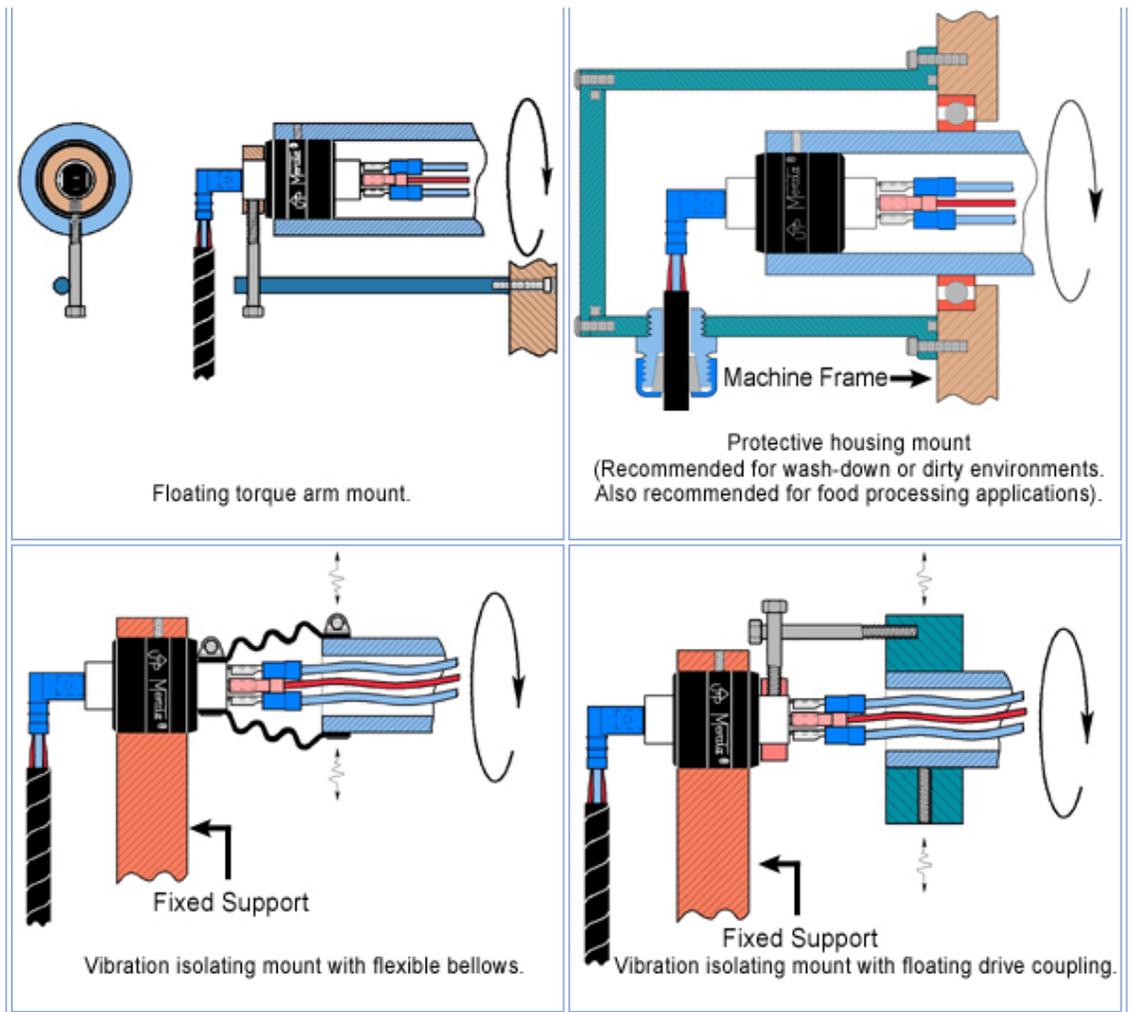
**▼ Model 4100 Suggested Mounting Methods**

Model 4100 is typically mounted by the black anodized aluminum body using a set screw. When mounting horizontally, mount the Mercotac so the body of the connector rotates. For vertical orientation with the rotating member above, mount to the model 4100 top (gray) plastic bushing.

MODEL	Typical Body Mount Hole Dimensions	DEPTH
4100	<b>HOLE DIAMETER (Ø) *</b> 2.365" (60.07)	3.00" (76.2)

MODEL	Typical Vertical Top Bushing Mount Hole Dimensions	DEPTH
4100	2.365" (60.07)	2.50" (63.5)
*Inch (mm) Tolerance Ø	+ .001" (+.025) - .000" (-.000)	





#### Installation Notes:

- the up arrow should not point below horizontal
- do not solder to or bend connector tabs
- avoid lateral forces and mechanical loads (overly stiff or tight wires)
- do not rigid mount both ends of connector
- limit mounting eccentricity (runout / wobble) to .005" (.13mm)
- provide overload protection within the circuit
- avoid vibration and bumping motions

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#### **Mercotac, Inc.**

6195 Corte del Cedro #100 Carlsbad, CA 92011 USA

Telephone: (760) 431-7723 Fax: (760) 431-0905

Email: [sales@mercotac.com](mailto:sales@mercotac.com) Support: [techsupport@mercotac.com](mailto:techsupport@mercotac.com)