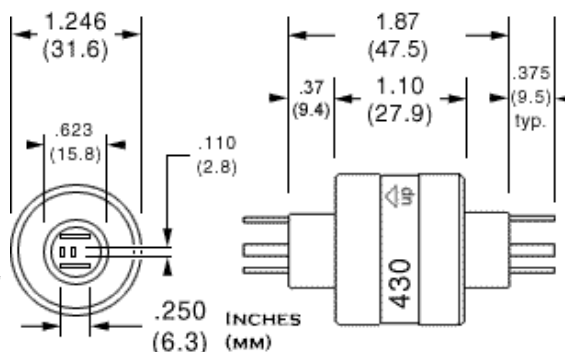


**Model 430**

Four Conductors,  
2@4amps, 2@30amps



Disconnects included

(4 sm., 4 lg.)

[Boot Kit](#) available

Available with stainless steel ball bearing (430-SS)

Mercotac model 430 is ideal for heated roller applications, where connecting to sensitive thermocouple signals and simultaneously powering the heater are required.

Model No.	Terminals	Voltage AC/DC	Amp Rating @240VAC	Max. Freq. MHz	Contact Resistance	Max. RPM	Temp Max. F (C) / Min. F (C)	Rotation Torque (gm-cm)	Circuit Separation
430	4	0-250	2@4/2@30	100	<1mΩ	1200	140 (60) / -20(-29)	400	>25MΩ
430-SS	4	0-250	2@4/2@30	100	<1mΩ	1200	140 (60) / -20(-29)	400	>25MΩ

"SS" designator indicates stainless steel ball bearing (recommended for wet or corrosive environments)

▼ **Model 430 Accessories**



**50431**

Plug Assembly 12 in. wires  
14 AWG & 18 AWG  
Suitable for up to 20 Amps



**50430**

Plug Kit - No wires, terminals for wire gauges  
20 - 16 AWG & 16 - 14 AWG  
Suitable for up to 20 Amps  
Also order 5030-T



**57430**

[Boot Kit](#) for dust or splash protection  
IP51



**55251**

Terminal 16 - 14 AWG  
(qty. 2 included)



**5030-T**

Plug Terminal Crimping Tool  
For Use With 50430 Kit



**55250**

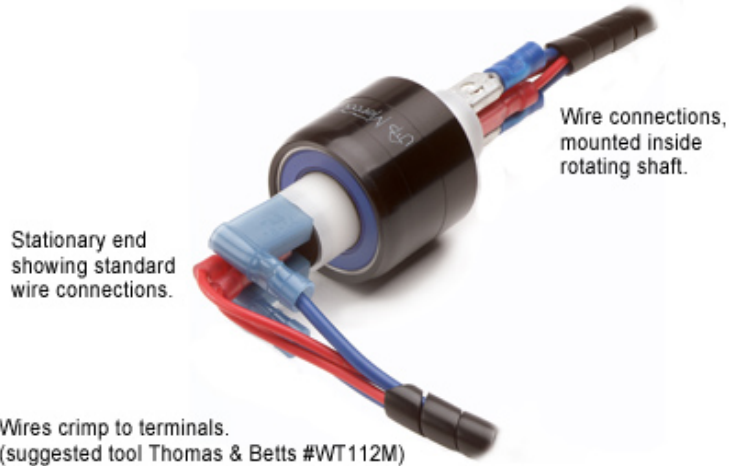
16 - 14 AWG (qty. 2 included)



**55110**

22 - 18 AWG (qty. 4 included)

▼ Model 430 Standard Wire Connections



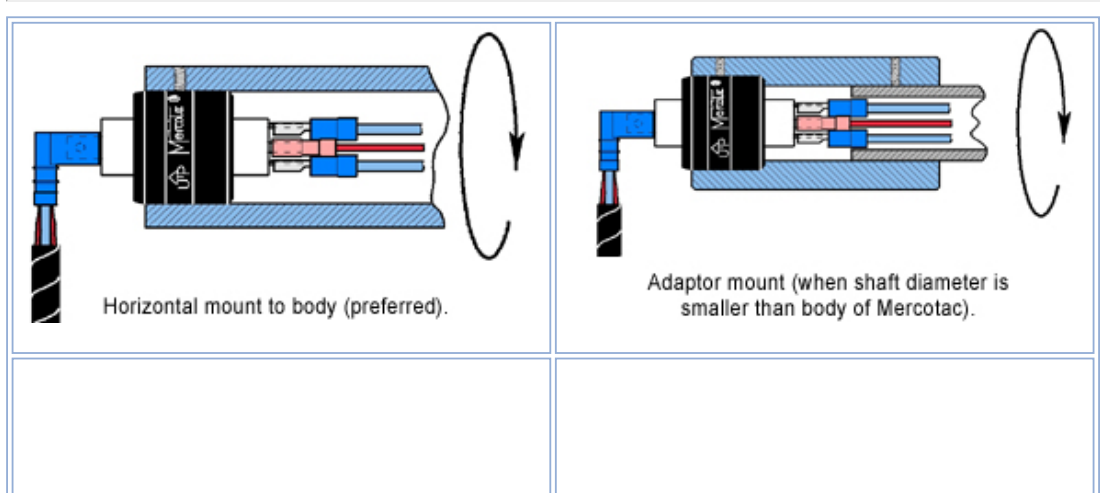
▼ Model 430 Wire Connections With Optional Boot



▼ Model 430 Suggested Mounting Methods

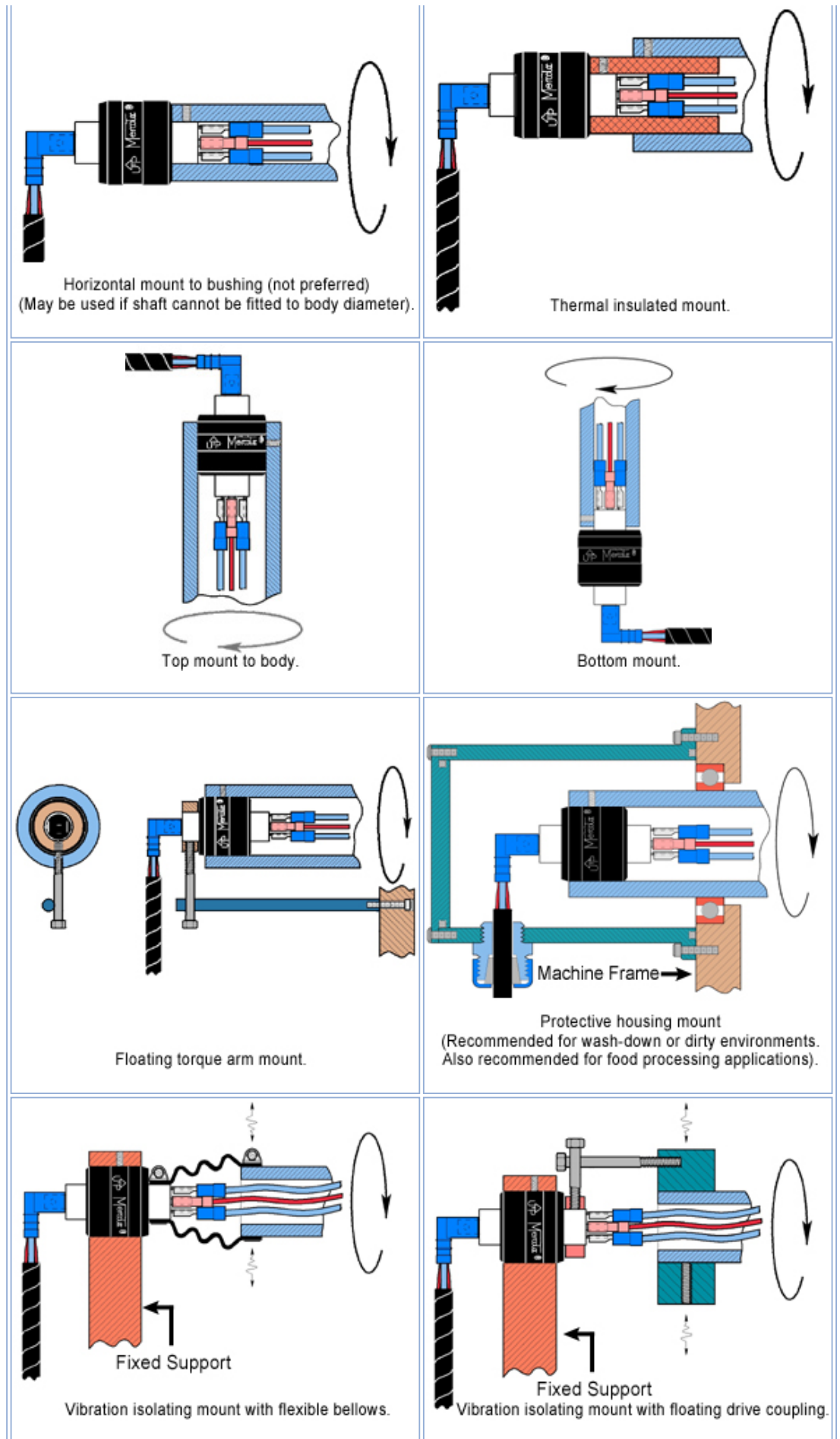
Model 430 is typically mounted by either the black body or the white plastic bushing on either end using a set screw. When mounting horizontally, mount the Mercotac so the body of the connector rotates.

MODEL	Typical Body Mount Hole Dimensions	
	HOLE DIAMETER (Ø) *	DEPTH
430, et al	1.248" (31.70)	.80" (20)
	Typical Bushing Mount Hole Dimensions	
430, et al	.625" (15.88)	.40" (10)
With Plug Connector	.625" (15.88)	1.40" (36)
*Inch (mm) Tolerance Ø	+ .001" (+.025)	
	- .000" (-.000)	



31/1/2020

Brushless Slip Ring - Mercotac Model 430



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)