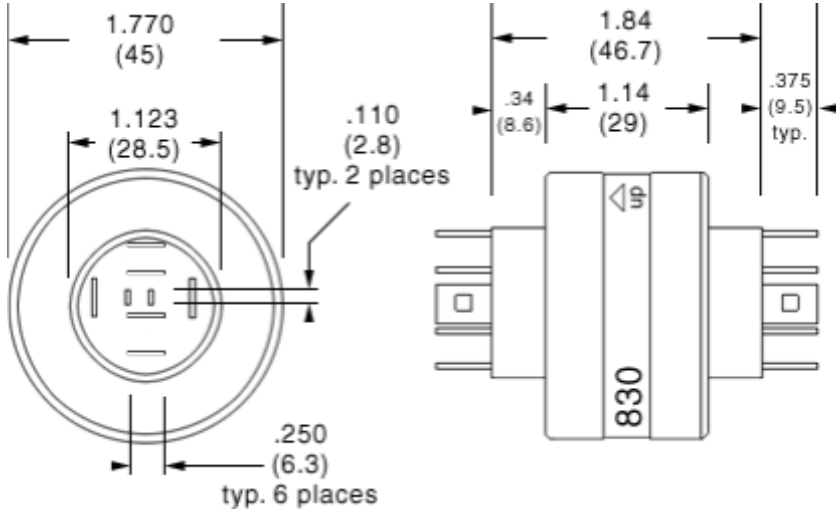


Model 830

Eight Conductors,
2@4amps, 6@30amps

Disconnects included
(4 sm., 12 lg.)
[Boot Kit](#) available
Available with stainless steel ball
bearing (830-SS)



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
830	8	0-250	2@4/6@30	100	<1mΩ	200	140 (60) /-20(-29)	1000	>25MΩ
830-SS	8	0-250	2@4/6@30	100	<1mΩ	200	140 (60) /-20(-29)	1000	>25MΩ

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

Model 830 Accessories



55110
22 - 18 AWG (qty. 4 included)



55253
Shrink Tube (qty. 6 included)



55252
Terminal 16 - 14 AWG (qty. 6 included)



55251
Terminal 16 - 14 AWG (qty. 6 included)



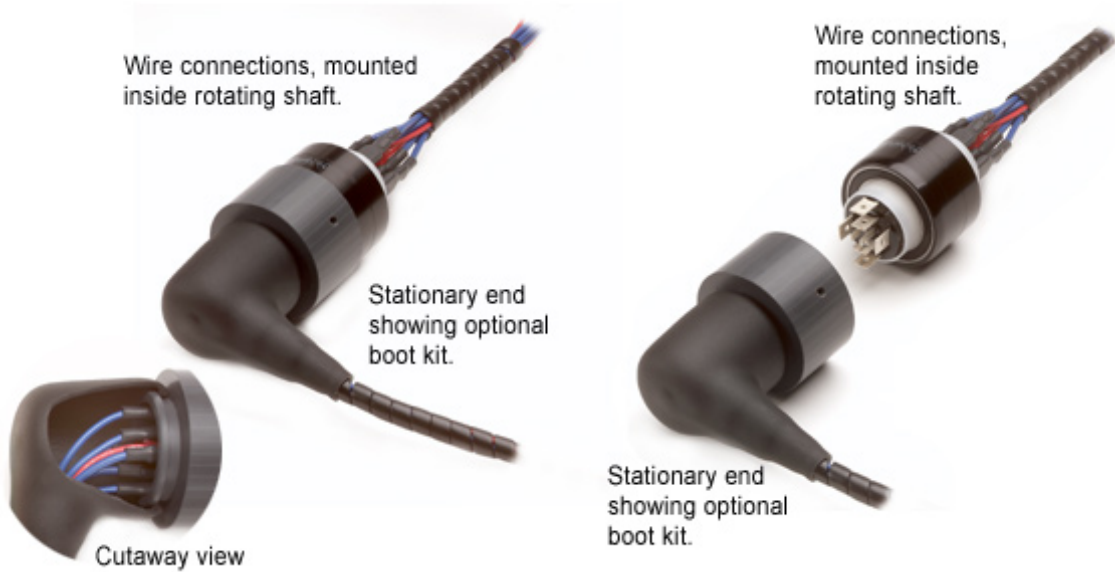
57830
[Boot Kit](#) for dust or splash protection IP51

Terminals for other wire gauges available.
(22-18 AWG and 12-10 AWG)

Model 830 Standard Wire Connections



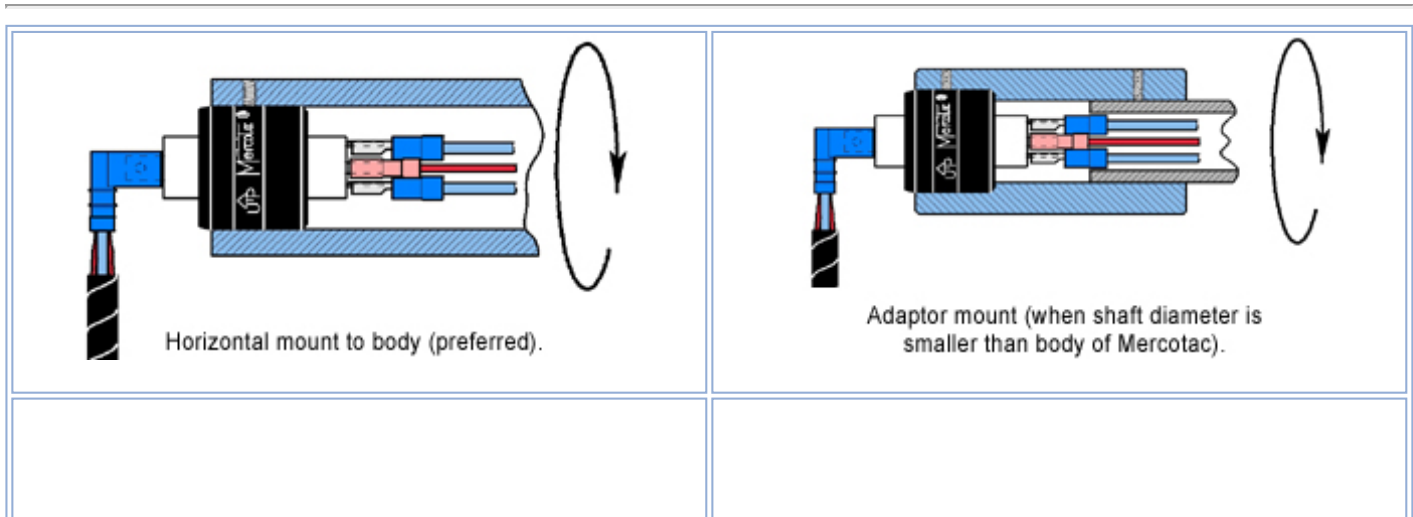
▼ **Model 830 Wire Connections With Optional Boot Kit**

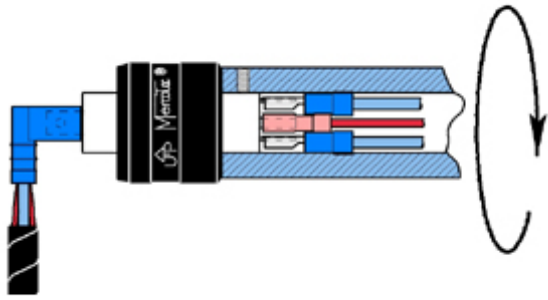


▼ **Model 830 Suggested Mounting Methods**

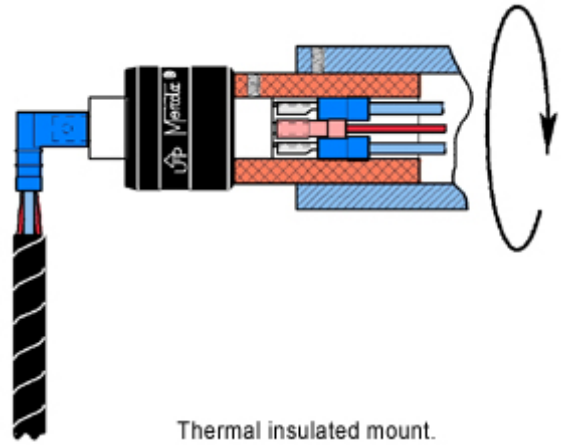
Model 830 is typically mounted by either the black body or the white plastic bushing on either end using a set screw. When mounting horizontally, mount the Mercotac so the body of the connector rotates.

MODEL	Typical Body Mount Hole Dimensions	
	HOLE DIAMETER (Ø) *	DEPTH
830, et al	1.772" (45.00)	.80" (20)
	Typical Bushing Mount Hole Dimensions	
830, et al	1.125" (28.57)	.40" (10)
*Inch (mm) Tolerance Ø	+ .001" (+.025)	
	- .000" (-.000)	

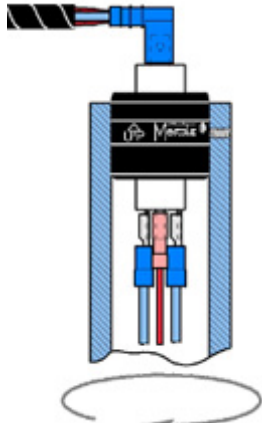




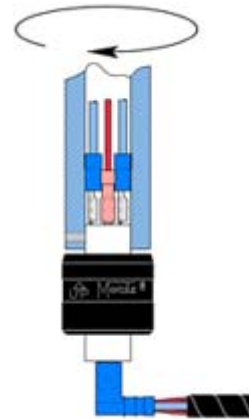
Horizontal mount to bushing (not preferred)
(May be used if shaft cannot be fitted to body diameter).



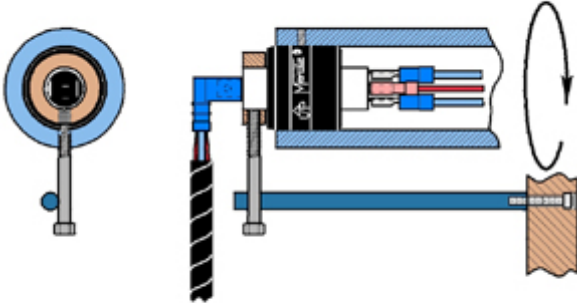
Thermal insulated mount.



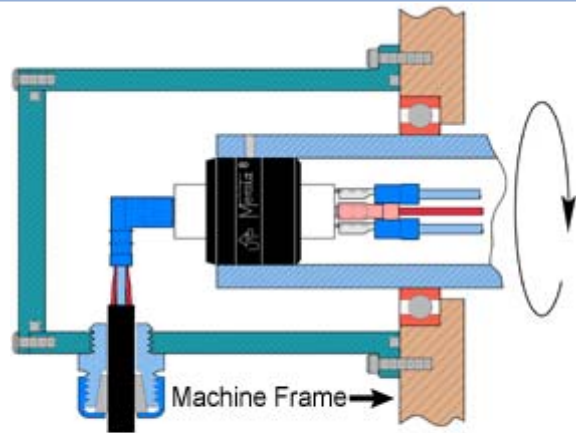
Top mount to body.



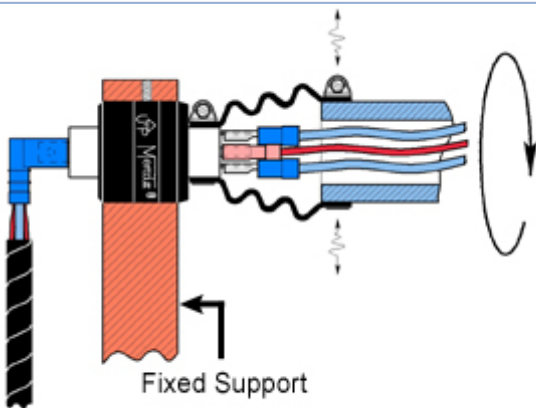
Bottom mount.



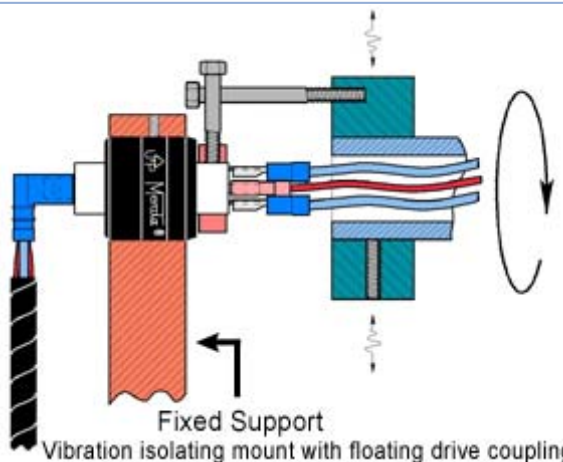
Floating torque arm mount.



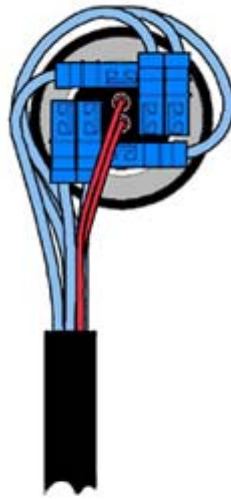
Protective housing mount
(Recommended for wash-down or dirty environments.
Also recommended for food processing applications).



Vibration isolating mount with flexible bellows.



Vibration isolating mount with floating drive coupling.



Terminal connector
layout for Model 830
(stationary end).

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