

www.mod-tronic.com | sales@mod-tronic.com | 1-800-794-5883

Mercotac[®]

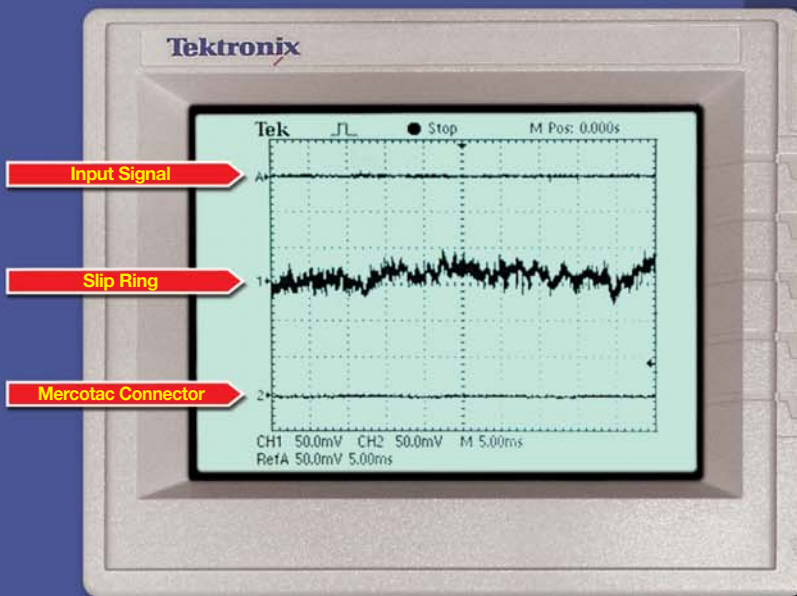
Superior Connections for a World in Motion



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Do you want a superior connection or an ordinary slip ring?

The choice is yours.



- Superior to Conventional Slip Rings
- Extremely Low Electrical Noise
- Less Than One Milliohm Resistance
- Durable, Compact, Low Cost

There are many ways you will profit by using Mercotac connectors:

Slip rings require maintenance and lose signal quality over time due to wear and debris. **Mercotac connectors are maintenance free, do not degrade the signal over time and last much longer than slip rings.**

Slip rings introduce electrical noise into the signal being transmitted. **Mercotac connectors transmit with near zero electrical noise, thus the same connector can be used for power and signal transmission.**

Slip rings typically last several million revolutions. **Mercotac connectors typically last hundreds of millions of revolutions. In many applications they can last over a billion revolutions.**

Though superior in performance and durability, **Mercotac connectors cost less than slip rings** of comparable capacity.

The above **superior performance is possible** because of the unique design feature of Mercotac connectors: the electrical conduction path is a liquid metal that is molecularly bonded to the contacts. This creates a connection that is constant and unchanged for the life of the connector.



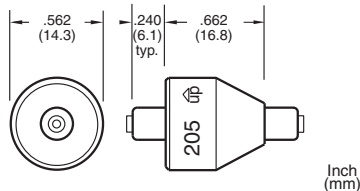
Rotating Electrical Connectors
Superior Connections for a World in Motion

2 & 3 CONDUCTORS

2 Conductors, 4 Amp

Model 205

| MODEL NO. | CONDUCTORS | DESCRIPTION | VOLTAGE AC/DC | AMP RATING AT 240 VAC | MAX FREQ. MHz | CONTACT RESISTANCE | MAX OP. RPM | TEMPERATURE Max. F (C) / Min. F (C) | ROTATION Torque (gm-cm) | CIRCUIT SEPARATION |
|-----------|------------|-----------------------------------|---------------|-----------------------|---------------|--------------------|-------------|-------------------------------------|-------------------------|--------------------|
| 205 | 2 | Standard Model | 0-250 | 4 | 200 | <1m | 2000 | 140(60)/45(7) | 75 | >25M |
| 205-SS | 2 | Stainless Steel Bearing | 0-250 | 4 | 200 | <1m | 2000 | 140(60)/45(7) | 75 | >25M |
| 205-L | 2 | Low Torque/Low Temp. | 0-250 | 4 | 200 | <1m | 1200 | 140(60)/-20(-29) | 20 | >25M |
| 205-LS | 2 | Low Temp. Stainless Steel Bearing | 0-250 | 4 | 200 | <1m | 1200 | 140(60)/-20(-29) | 75 | >25M |
| 205-H | 2 | High RPM | 0-250 | 4 | 200 | <1m | 3600 | 140(60)/45(7) | 35 | >25M |
| 205-HS | 2 | High RPM, Stainless steel bearing | 0-250 | 4 | 200 | <1m | 3600 | 140(60)/45(7) | 35 | >25M |



Accessories



591 two contact receptacle w/ one 6" wire



592 two contact receptacle w/ two 6" wires



594 two contact receptacle w/ two solder holes

595
two contact cap w/ solder lugs



Receptacle used for mounting to rotating device.

Accessories required for wire connections. Order Separately

