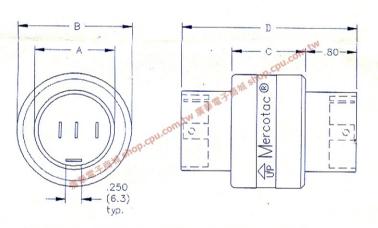


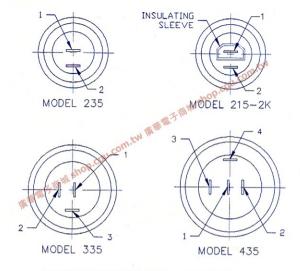
6196 Corte del Cedro #100 Carlsbad, CA 92011, USA

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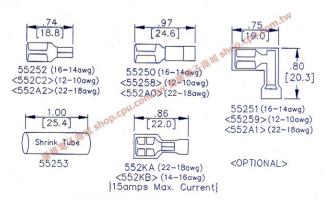
HIGH VOLTAGE SERIES



MODEL	А	В	С	D	
215-2K 235	.746(18.95)	1.246(31.65)	1.10(27.9)	2.69(68.3) 2.67(67.8)	
335	.982(24.94)	1.573(39.95)	1.1.(00.0)		
435	1.248(31.70)	1.770(44.96)	1.14(29.0)	2.72(69.1)	
±in(mm	.002	(.05)	.01 (.25)	REF	



CONTACT TAB ORIENTATION



AVAILABLE DISCONNECTS

			(140)		
MINIMUM OPERATING TEMP. °C (°F)	-29 (-20)				
CIRCUIT SEPARATION (megOhm)	9 GV > 50				
TYPICAL ROTATION TORQUE NmX10-4 (gm·cm)	400				
The state of the s	ACCESSORIE			850	
INSULATED DISCONNECT (18-22awg) 552A0		-	OPTIONAL		
INSULATED DISCONNECT (14-16awg) 55250	COLOR STREET, COLOR	(2)	(3)	(4)	
INSULATED DISCONNECT (10-12awg) 55258			OPTIONAL*	(-/	
UNINSULATED DISCONNECT (18-22awg) 552A2			OPTIONAL		
UNINSULATED DISCONNECT (14-16awg) 55252			OPTIONAL		
UNINSULATED DISCONNECT (10-12awg) 552C2	March 19 Property and		OPTIONAL		
SHRINK TUBE FOR UNINSULATED DISC. 55253	(4)	OPTIONAL			
HIGH VOLT. INSULATED DISC. (18-22awg) 552KA	(4)		OPTIONAL **	-	
HIGH VOLT. INSULATED DISC. (14-16awg) 552KB	OPTIONAL		OPTIONAL **		
90° ANGLE INSULATED DISC. (18-22amg) 552A1	THE RESERVE AND ADDRESS OF THE PERSON NAMED IN		OPTIONAL		
90° ANGLE INSULATED DISC. (14-16awg) 55251		(2)	(3)	(4)	
90° ANGLE INSULATED DISC, (10-12awg) 55259	BENT STREET		OPTIONAL *	(-/	
RUBBER BOOT KIT FOR PROTECTION:	57235	57235	57335	57435	
* These optional disconnects ** Fully insulated High WARRANTY: Units are guaranteed for one year from date of for defects caused by abnormal use or mishandling. All staten representative are rendered in good faith. User must assume re	Voltage disconnects are purchase against defective sents and technical informs	limited to 15 amps of materials and workman	current.	otomore on his	

TECHNICAL SPECIFICATIONS

235

2 @ 30

335

0-500

3 @ 30

500

100

< 1 milliohm

60 (140)

435

4 @ 30

300

215-2K

0-2000

2 @ 15

MODEL NUMBER:

NUMBER OF CONDUCTORS VOLTAGE RANGE (V) AC/DC

CURRENT RATING (AMPS)

MERCURY CONTACT RESISTANCE

MAXIMUM ROTATING SPEED (RPM)

MAXIMUM FREQUENCY RESPONSE (MHz)

MAXIMUM BODY TEMPERATURE °C (°F)

not be liable for any injury, loss or damage, direct or consequential arising out of the use, or attempt to use the product. 09/09

SERVICE INSTRUCTIONS

Mercotac® connectors contain a small amount of liquid mercury and should be disposed of properly through recycling. Mercotac Inc. offers a recycling service for this purpose. When shipping spent units to Mercotac Inc., insert products into a plastic bag and package items being returned for UPS Ground shipment. Please state on paperwork "For Recycling", and identify shipments with company name and Phone / FAX numbers. (Do not send through USPS.)



- 1. Mercotac® connectors can be used both horizontally and vertically. However the "UP" arrow on the body of the connector should not point below horizontal. The connectors are reversible so they need not be installed upside down. It is preferable to store units upright (arrow up). <Fig 1>
- 2. The connector can be held or mounted by the body or plastic bushing, but was not designed to carry mechanical loads. One end should be allowed to float attached only by the connecting wires. In horizontal applications mount the connector with the <u>body rotating</u> to reduce mechanical loads on the bearing and internal components. **Never rigid mount both ends of the connector. This will cause connector failure.** Limit mounting eccentricity to .005" (.13mm). <Fig 2>
- 3. Do not solder to the connector or bend tabs excessively as such misuse may cause connector failure and voids the warranty.
- 4. Use stranded wires of ample length and flexibility to avoid mechanical loads. Avoid taut wires that pull on the connector. The wires should have enough free play to allow the connector end to rotate approximately 4 turn. Wires, which allow too much free play, could wrap around the connector. Generally wires are strong enough to restrain the stationary end of the connector. A floating torque arm attached to the stationary bushing may be used if the wires are not adequate. <Fig 3>
- 5. Provide current protection (fuse) on wires attached to connector.

 Over-current conditions can cause failure of connector. CAUTION:

 The aluminum body may be electrically "hot" after failure. Disable power source before handling a suspected failed connector.
- 6. The push on terminals (right angle & straight) supplied with the modular connector series use an improved double wall barrel design vs. typical single wall barrel. The extra strength in the barrel improves electrical conductivity and wire grip. Some crimp tools do not have enough leverage to securely crimp this terminal which could cause poor connections. The shape of the crimp die also affects the quality of the crimp. A recommended crimp tool manufactured by Thomas & Betts is their model #WT112M. The model 215-2K incorporates insulation around the center pins to interface with the disconnects supplied. <Fig 4>
- Vibration and mechanical shock will reduce service life or cause connector failure. Some installations may require a shock isolating mounting, such as rubber tubing. <Fig 5>
- 8. The connector contains plastic materials, which are sensitive to heat. Over-heating will cause reduced life or connector failure. Provide thermal insulation where necessary to prevent temperature of the unit from exceeding 140°F (60°C). <Fig 6>
- 9. In food packaging applications: Mercotac® connectors contain liquid mercury and other fluids. Isolate connector from the food processing area by using a protective housing. Short circuit failure at or in connection with a Mercotac® connector rarely but occasionally may result in leakage. The use of a protective housing may be advisable in these applications. <Fig 7>



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	MODEL	BUSHING MOUNTING		BODY MOUNTING		.19(4.8)
1		Α	В	A	В	77771
/ercotac®	215-2K 235	.748(19.00)		1.248(31.70)		
	335	.984(25.00)	.80(20.3)	1.575(40.00)	.80(20.3)	-
	435	1.250(31.75)		1.772(45.01)		777777

Fig 1 Fig 2 Mounting Dimensions

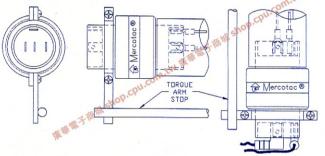


Fig 3 Floating Torque Arm Examples



Fig 4 Model 215-2K Insulated Center Pin

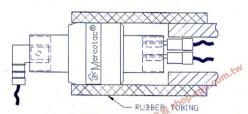


Fig 5 Vibration Isolation

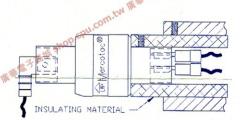


Fig 6 Thermal Insulation

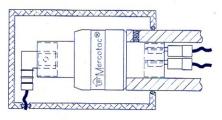


Fig 7 Protective Housing