

Specification

Ward Leonard MDR Rotary Relay



Ward Leonard MDR Rotary Relay Series provides increased contact ratings compared to similar relays used in military and heavy-industrial applications. The increased contact rating enables the MDR Rotary Relay Series to be used in situations beyond the current-carrying capability of similar relays. Unlike other relay models that use two contacts in series to achieve this increased rating, the Ward Leonard MDR rotary relay design frees contact terminals to control additional circuitry and simplify control wiring. Engineered to MIL-R-19523B (SH) and QPL for vibration, shock, and endurance testing, exceeding 500,000 operations, the MDR Rotary Relay Series are backwards compatible with models from other manufacturers. High reliability, high performance and increased contact ratings make the durable MDR Rotary Relay ideal for the most demanding applications.



Cross-Reference/Replacement Table

WL P/N	Potter-Brumfield P/N	Tyco P/N	GE P/N	Description
106.416-5	MDR-131-1	1393139-2 or 1755005-1	231B233CDP2	4PDT, Non-Latching, 115 VAC Coil
106.416-4	MDR-131-2	1393139-3 or 1755005-1	231B233CDP3	4PDT, Non-Latching, 440 VAC Coil
106.416-7	MDR-134-1	1393139-4 or 1755006-1	231B233CDP1	8PDT, Non-Latching, 115 VAC Coil
106.416-8	MDR-134-2	1393139-5	231B233CDP6	8PDT, Non-Latching, 440 VAC Coil
106.416-15	MDR-163-1	1-1393139-5	231B233CDP9	12PDT, Non-Latching, 115 VAC Coil
106.416-11	MDR-163-2	MDR-163-2	231B233CDP10	12PDT, Non-Latching, 440 VAC Coil

Specifications

Standard	Meets the requirements of MIL-R-19523B (SH)
Operating Temperature	0-70 degrees Celsius
Coil Configurations	AC/DC coils available 28/125 VDC, 115/440 VAC
Contact Arrangements	4 PDT-12 PDT
Dimensions	2.625" x 2.625" with varying heights determined by the number of terminal stacks utilized 1, 2, and 3 respectively (3.13", 3.53", 3.88").

Structure Borne Noise	dBa	Reference
Standard versions	85 maximum	Mil-STD-740 Figure 2
Low Noise versions (Submarine)	65 maximum	Mil-STD-740 Figure 2



Ward Leonard

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