

Struthers-Dunn

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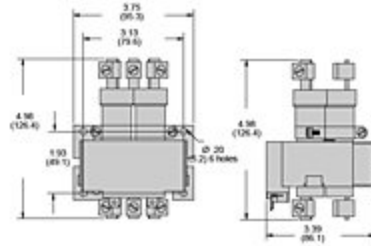
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E-Mail: info@struthers-dunn.com • Web site: www.struthers-dunn.com**Item # M60AAA-24D, 35/60 Series - Mercury Displacement Power Relays**

The 35 & 60 series products are mercury displacement relays. Sealed tubes containing liquid mercury assure contact surfaces are freshly replenished with every contact movement. Contact resistance is among the lowest available for any electromechanical relay. The M35 series offers superior long life performance. Products are available with 1, 2, or 3 poles rated 35 amps. Contacts can be normally open or normally closed.

Optional DIN rail adaptors – 1 pole = 16-MDRDIN-1, 2 or 3 pole = 16-MDRDIN-2/3

Additional contact configurations and coil options are available – please use the RFQ/RFI tab above to submit your request.



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Specifications

Series	M60
Contact Arrangement	AAA (3 N.O. tube)
Coil Voltage	24 VDC

Contacts

Contact Configuration	Up to 3PST
Contact Material	Liquid Mercury
Contact Rating	60 A
Contact Rating 120 / 240VAC Resistive	60 A
Contact Rating 28VDC Resistive	60 A
Motor 120VAC 1 Phase	5 hp
Motor 240VAC 1 Phase	10 hp
Contact Resistance, Initial	50 milliohms max at 6VDC

Coil

Coils Available	AC and DC
Nominal Coil Power AC	7 to 28 VA
Nominal Coil Power DC	3 to 9 W
Input Voltage Tolerance - AC	85% to 110% of nominal
Input Voltage Tolerance - DC	80% to 110% of nominal
Drop-out voltage	10% of nominal
Duty	Continuous

Timing

Operate Time (max)	50 ms
Release Time (max)	80 ms

Dielectric Strength

Across Open Contacts	2650 Vrms
Between Mutually Insulated Point	2650 Vrms
Insulation Resistance	1000 megohms at 500VAC

Temperature

Operating	-34 to 74 °C -30 to 165 °F
Storage	-40 to 105 °C -40 to 221 °F

Life Expectancy

Electrical (full load)	250,000
Mechanical (no load)	5,000,000

Miscellaneous

Mounting Position	Vertical within 10 degrees
Enclosure	Hermetically Sealed
Weight	Varies