

**Struthers-Dunn**

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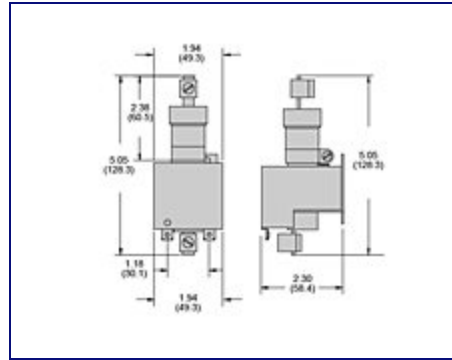
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Item # M60A-24D, 35/60 Series - Mercury Displacement Power Relays

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-

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Specifications

Series	M60
Contact Arrangement	A (1 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

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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

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

Dielectric Strength

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

Temperature

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

Life Expectancy

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

5,000,000

Miscellaneous

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Mounting Position

Vertical within 10 degrees

Enclosure

Hermetically Sealed

Weight

Varies