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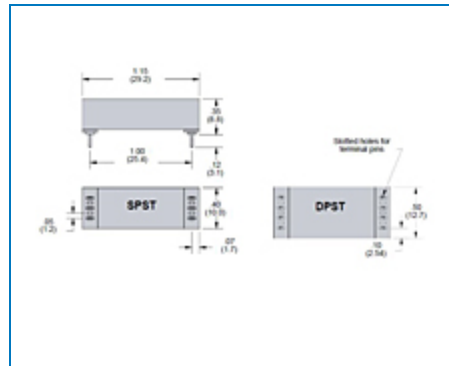
Website: www.struthers-dunn.com

Item # 131MPCX-8-24VDC, 131 Series - Mercury Reed Relays

The 131 series are single throw, normally open, miniature mercury reed relays. Reeds are hermetically sealed in glass tubes with trace amounts of liquid mercury to provide continuously refreshed contact surfaces for extremely long life.

The 134 series offers double throw contacts. Both are capable.

For Additional Configuration please use the RFQ/RFI tab above to submit your request.



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Specifications

Series	131
Contact Arrangement	DPST - N.O.
Nominal Input Voltage	24 VDC

Maximum Pull-in	18
Minimum Dropout	2
Nominal Resistance	1200 ohms
Nominal Power	480 mW

Maximum Contact Rating

Maximum Switching Load	50 VA
Switching Current and Voltage	2 AMP 500VDC
Carry Current	3 A

Contacts

Contact Configuration	Up To DPST
Contact Material	Liquid Mercury
Contact Rating	2 A
Contact Rating Load (maximum)	50 VA
Contact Rating Switching Voltage (maximum)	500 VDC
Contact Rating Switching Current (maximum)	2 A
Contact Rating Carry Current (maximum)	3 A
Contact Resistance, Initial	100 milliohms max at 6VDC

Coil

Coils Available	DC
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Coil Power	Varies
Input Voltage Tolerance - DC	80% to 110% of nominal
Drop-out voltage	10% of nominal
Duty	Continuous

Timing

Operate Time (typical w/o suppression)	2 ms
Release Time (typical w/o suppression)	1.5 ms

Dielectric Strength

Across Open Contacts	1,000 Vrms
Between Mutually Insulated Point	1,000 Vrms
Insulation Resistance	1000 megohms at 100VDC

Capacitance

Capacitance Across Open Contacts	0.3pF
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Temperature

Operating	-37 to 85 °C -34.6 to 185 °F
Storage	-40 to 105 °C -40 to 221 °F

Life Expectancy

Electrical (full load)	40,000,000
Mechanical (no load)	100,000,000

Miscellaneous

Mounting Position	Vertical $\pm 15^\circ$
Enclosure	Epoxy Encapsulated
Weight	Varies