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Relay Products

DISTRIBUTOR INVENTORY

General Purpose

Traffic Relays

Power Relays & Contactors

Motor Reversing

Latching/Sequencing

Special Purpose & Custom Design

Sensitive - Low Input Power

Timer/Sensor

Reed

Accessories and Sockets

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REQUEST INFORMATION

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The 193 series is a unique series of dry reed relays easily customized for special needs. Customers can choose up to four pole double throw in a single package. All poles are operated by a single coil to reduce power consumption. Maximum switching capacity is 0.5 amps at 200VDC. Rhodium contact material provides long life at FAST switching speeds.

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

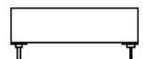
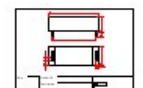
[Specifications](#) | [Maximum Contact Rating](#) | [Contacts](#) | [Coil](#) | [Timing](#) | [Dielectric Strength](#) | [Capacitance](#) | [Temperature](#) | [Life Expectancy](#) | [Miscellaneous](#)

Specifications

Series	193
Contact Arrangement	3PDT
Nominal Input Voltage	12 VDC
Maximum Pull-in	9
Minimum Dropout	1
Nominal Resistance	210 ohms

Maximum Contact Rating

Maximum Switching Load	3 VA
Switching Current and Voltage	0.25 Amps 100VDC
Carry Current	1 AA

ContactsVIEW CAD
DRAWING[3D](#)[2D Front View](#)[2D Top View](#)[2D Sales Drawing](#) 

DOWNLOADS

 [193 Series - Dry Miniature Reed Relays - Product Brochure](#)

Contact Configuration	Up to 4PDT
Contact Material	Rhodium
Contact Rating	xPDT
Contact Rating Load (maximum)	3 VA
Contact Rating Switching Voltage (maximum)	120 VDC
Contact Rating Switching Current (maximum)	0.25 A
Contact Rating Carry Current (maximum)	1 A
Contact Resistance, Initial	150 milliohms max at 6VDC

Coil	--										
<table> <tr> <td>Coils Available</td><td>DC</td></tr> <tr> <td>Coil Power</td><td>Varies</td></tr> <tr> <td>Input Voltage Tolerance - DC</td><td>80% to 110% of nominal</td></tr> <tr> <td>Drop-out voltge</td><td>10% of nominal</td></tr> <tr> <td>Duty</td><td>Continuous</td></tr> </table>	Coils Available	DC	Coil Power	Varies	Input Voltage Tolerance - DC	80% to 110% of nominal	Drop-out voltge	10% of nominal	Duty	Continuous	
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Timing	--				
<table> <tr> <td>Operate Time (typical w/o suppression)</td><td>1 ms</td></tr> <tr> <td>Release Time (typical w/o supression)</td><td>1 ms</td></tr> </table>	Operate Time (typical w/o suppression)	1 ms	Release Time (typical w/o supression)	1 ms	
Operate Time (typical w/o suppression)	1 ms				
Release Time (typical w/o supression)	1 ms				

Dielectric Strength	--						
<table> <tr> <td>Across Open Contacts</td><td>200 Vrms</td></tr> <tr> <td>Between Mutually Insulated Point</td><td>500 Vrms</td></tr> <tr> <td>Insulation Resistance</td><td>1000 megohms at 100VDC</td></tr> </table>	Across Open Contacts	200 Vrms	Between Mutually Insulated Point	500 Vrms	Insulation Resistance	1000 megohms at 100VDC	
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Capacitance	--		
<table> <tr> <td>Capacitance Across Open Contacts</td><td>3pF</td></tr> </table>	Capacitance Across Open Contacts	3pF	
Capacitance Across Open Contacts	3pF		

Temperature	--				
<table> <tr> <td>Operating</td><td>-40 to 125 °C -40 to 200 °F</td></tr> <tr> <td>Storage</td><td>-40 to 200 °C -40 to 392 °F</td></tr> </table>	Operating	-40 to 125 °C -40 to 200 °F	Storage	-40 to 200 °C -40 to 392 °F	
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Storage	-40 to 200 °C -40 to 392 °F				

Life Expectancy	--				
<table> <tr> <td>Electrical (full load)</td><td>10,000,000</td></tr> <tr> <td>Mechanical (no load)</td><td>100,000,000</td></tr> </table>	Electrical (full load)	10,000,000	Mechanical (no load)	100,000,000	
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Mechanical (no load)	100,000,000				

Miscellaneous	--		
<table> <tr> <td>Mounting Position</td><td>Any</td></tr> </table>	Mounting Position	Any	
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Enclosure	Epoxy Encapsulated
Weight	Varies