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产品展示

售后服务

BBS

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ENGLISH

信为香港

水流开关 磁簧继电器 干簧管 接近传感器 液位传感器 温度传感器 行程开关 美国TOPWORX/GOSWITCH

Mini-Dyad™



MN2

Ratings (@ 25° C)

Parameter	Min	Typ	Max	Units
Switching Voltage MN2 - Mini-DYAD™	-	-	200	Volts
Switching Current MN2 - Mini-DYAD™	-	-	0.5	Amps
Carry Current MN2 - Mini-DYAD™	-	-	2	Amps
Switching Frequency MN2 - Mini-DYAD™	-	-	500	Hz
Contact Resistance MN2 - Mini-DYAD™	-	-0	100	mΩ

(See detailed specifications for more information.)

Absolute Maximum Ratings are stress ratings. Stresses in excess of these ratings can cause permanent damage to the device. Functional operation of the device at these or any other conditions beyond those indicated in the operational sections of this data sheet is not implied. Exposure of the device to the absolute maximum ratings for extended period may degrade the device and effect its reliability.

Specifications

All parameters are at 25°C unless otherwise stated.

PARAMETER	CONDITIONS	SYMBOL	MIN	TYP	MAX	UNITS
Contact Ratings						
Operate ampere turns range	Full Blade Tolerance = ± 1.5NI	AT	10	-	25	NI
Release ampere turns range	Full Blade Tolerance = ± 1.5NI	AT	5	-	25	NI
Switching Voltage	Max DC/PeakAC Resistive	V _L	-	-	200	VDC
Switching Current	Max DC/PeakAC Resistive	I _L	-	-	500	mAmps
Carry Current	Max DC/PeakAC Resistive	I _C	-	-	200	Amps

Carry Current	Max DC/PeakAC Resistive	I_C	-	-	2.0	Amps
Contact Rating	Max DC/PeakAC Resistive	-	-	-	10	VA
Life Expectancy	1V, 10mA Signal Level	-	-	1000	-	$\times 10^6$ Ops
	10V, 10mA Low Level	-	-	500	-	$\times 10^6$ Ops
	50V, 100mA Telecom Load	-	-	2	-	$\times 10^6$ Ops
	100V, 100mA Rated Loads	-	-	2	-	$\times 10^6$ Ops
Static Contact Resistance	50mV, 10mA ⁽¹⁾	CR	-	70	100	Ω
Contact Material		-	-	Ru	-	-
Switch Specifications						
Insulation Resistance ⁽²⁾	100V, 25°C, 40% RH	IR	10^9	10^{11}	-	Ω
Capacitance	Across Open Contacts	-	-	0.3	-	pF
Dielectric Strength ⁽⁵⁾	Between Contacts	-	250	300	-	VDC/Peak AC
Operate Time, including bounce	At nominal coil voltage, 10Hz Square Wave	T_{OP}	-	-	0.5	ms
Release Time	Zener-Diode Suppression ⁽³⁾	T_{REL}	-	-	0.1	ms
Environmental Ratings						
Storage Temperature		T_A	-40	-	+125	°C
Operating Temperature		T_0	-40	-	+125	°C
Soldering Temperature		-	-	-	+265	°C
Vibration Resistance	5Hz - 200Hz	G	-	-	20	-Gs
Shock Resistance	11±1ms, 1/2 Sine Wave	S	-	-	50	Gs
Weight		-	-	0.12	-	grams/unit

⁽¹⁾ Contact resistance measured with 4 terminal method, 1.1" between test leads

⁽²⁾ $>10^{12} \Omega$ is available upon request

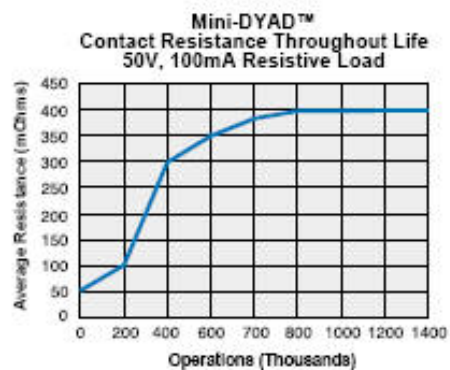
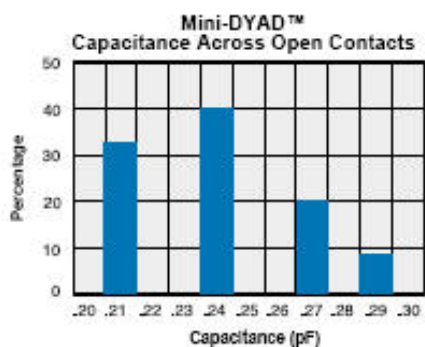
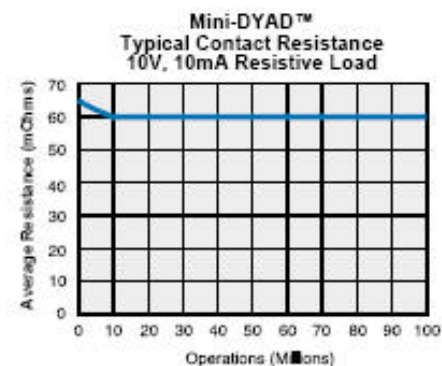
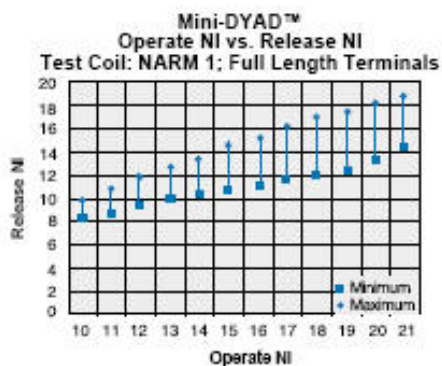
⁽³⁾ A 24V zener in series with a diode across the coil

⁽⁴⁾ Use caution not to exceed vibration resistance limits while ultrasonically cleaning. Contact CP Clare Engineering for more details/ recommendations

⁽⁵⁾ 15 ampere turn minimum

Performance Data*

Mini-DYAD™

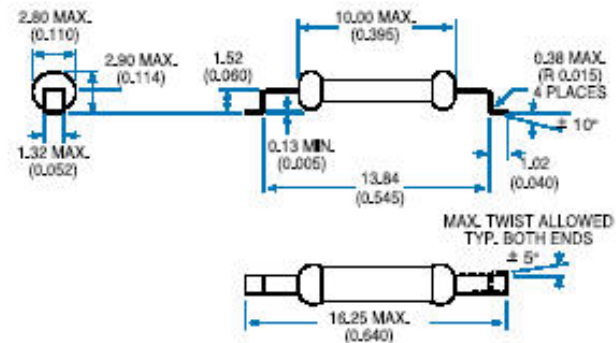
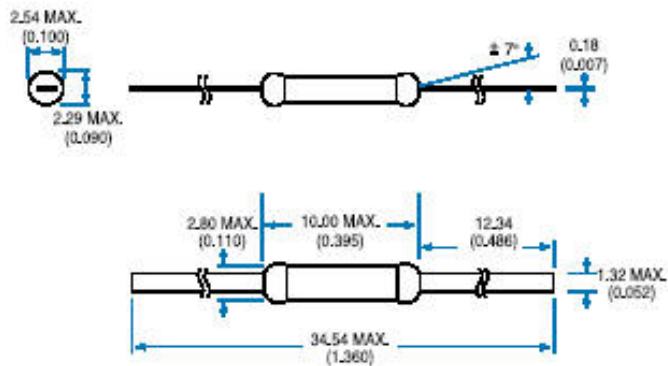


*The Performance data shown in the graphs above is typical of device performance. For guaranteed parameters not indicated in the written specifications, please contact our application department.

Mechanical Dimensions

Mini-DYAD™

Mini-DYAD™ SMT



Recommended Pad Sizes

CM10 SMT



Dimensions
mm
(inches)

www.srcdevices.com

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