

Products for tomorrow...



7

Description

Compact design molded reed relays suitable for all current soldering and washing methods.

Applications

Automatic test equipment
Measurement equipment
Telecommunications
Security systems
Medical electronics
Industrial control

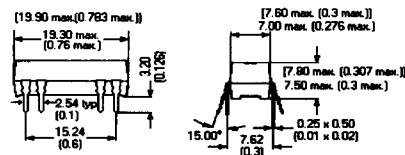
Features

Low profile package
Standardized pin configurations
Versions with diode available
Versions with mercury-wetted switches available
IC-pin compatible
TTL drive possible
4.25 kVDC Insulation for diagram 13 option
Most widespread and compatible to all current brands

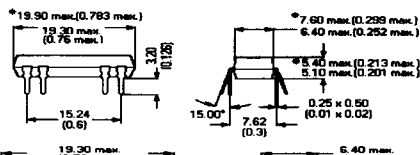
Approvals and Certifications

UL

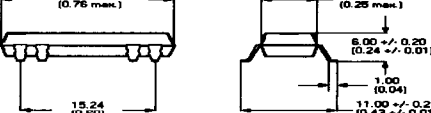
DIP High Profile



Flat Profile

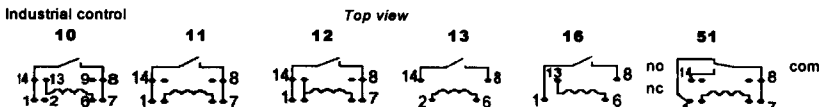


SMD



Tolerance +/- 0.10 mm (0.004 in)

* Dimensions are valid for versions with magnetic shield



Ordering Information

XXX	XX-	XXXX-	XX	X	Options
Series	Nominal	Contact	Type	Diagram	Option***
DIP or	Voltage				L - no options
SMD***	5 or 12				(A/B/C/E) A - diode (pins +8, -9)
		1A71-	10	10	(A/D**/E/F** B - electrostatic shield (pin 2)
		1A71-	11	11	(A/D**/E/F** C - diode (pins +6, -9), electrostatic shield (pin 2)
		1A71-	12	12	(D**) D - diode (pins +2, -6)
		1A71-	13	13	(A/B/C/E) E - electrostatic shield (pin 9)
		1A84-	10	10	(A/D**/E/F** F - diode (pins +2, -6), electrostatic shield (pin 9)
		1A84-	11	11	(A/D**/E/F**)
		1A84-	12	12	(D**)
		1A84-	13	13	(A/D**/E**/F**)
		1C90-	51	51	

**Indicates high profile package.

Options with no asterisk are low profile package.

***Add L when no options are selected

****SMD package avail. in diagrams 10, 11, 12, & 16 only, & with no options.

All data at 20°C

Contact type****
Contact form

Contact 71			Contact 84			Contact 90			Units
Standard			High Dielectric			Standard Form C			
Form 1A			Form 1A			Form 1C			
Min	Typ	Max	Min	Typ	Max	Min	Typ	Max	
	5	7.5		5	7.5		5	7.5	Volts
450	500	550	180	200	220	180	200	220	Ω
0.8		3.5	0.8		3.5	0.8		3.5	Volts
0.75		3.5	0.75		3.5	0.75		3.5	Volts
	12	16		12	16		12	16	Volts
900	1000	1100	900	1000	1100	450	500	550	Ω
1.8		8.4	1.8		8.4	1.8		8.4	Volts
1.8		8	1.8		8	1.8		8	Volts
		10			10			3	Watts
		200			250			175	Volts
		0.5			0.5			0.25	Amps
		1.5			1.5			1.2	Amps
		150			150			150	mΩ
		200			200			na	mΩ
1000			1000			200			ops
	Ru			Ru			Ru		ops
250			700			200			DCV
1500			1500			1500			DCV
4250			4250			4250			DCV
	0.2			0.2			0.3		pf
	2			2			2.5		pf
	1.8			1.8			2.5		pf
		500			700		700	1000	μs
		50			50			2000	μs
		300			350			1500	μs
		100			150			1500	μs
10 ¹⁰	10 ¹²		10 ¹⁰	10 ¹¹		10 ⁹	10 ¹¹		Ω
10 ¹²	10 ¹⁴		10 ¹²	10 ¹⁴		10 ¹²	10 ¹⁴		Ω
-40		85	-40		85	-40		85	°C
-40		100	-40		100	-40		100	°C
		10			10			10	sec
		260			260			260	°C
	Fully Sealed			Fully Sealed			Fully Sealed		
		50			50			50	Gs
		10			35			30	Gs

**** SMD available in contact type 71 and 84 only

*****The coil resistance, operate and reset characteristics will all change at the rate of 0.4%/°C

Notes: 1. 2 Form A and 1 Form B available. 2. An SMD line sense version for telecommunications is available under SMD-CL-1A81-15-11M