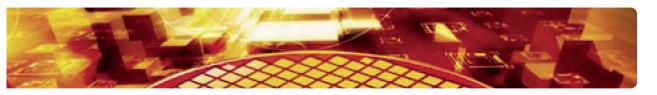


D series

high voltage reed relays 15kV, 50W







Very high isolation voltages, up to 15kV, are achieved through the use of high vacuum reed switches with either Rhodium or Tungsten contacts and make these relays suitable for high reliability applications such as cardiac defibrillators, test equipment and high voltage power supplies.

The Rhodium contacts have low contact resistance while the Tungsten contacts can switch higher voltages.

Printed Circuit Board (PCB) or Panel mount, via nylon studs, versions are available.

Connection options include PCB, solder turret tag, flying lead and Faston* style Spade Terminals.

Available as Form A (SPNO) or Form B (SPNC) contact configurations.

- 15kV Isolation
- Low Contact Resistance
- High Power Switching
- PCB or Panel Mount
- Flying Lead, Solder and Faston* Style Spade Terminal Options





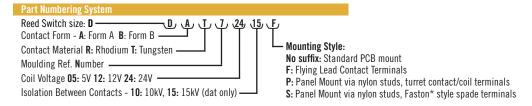


Contact	Units	Conditions	10kV	1	10kV Form B			15kV Form A				
Contact Materials			Rhodium	Tungster	Rhod	Rhodium Tungsten		Tungsten				
Isolation Across Contacts	kV	DC or AC peak	10	10	1	0	10	15				
Max. Switching Power	W		50	50	50)	50		50			
Max. Switching Voltage	V	DC or AC peak	1000	7000	100	1000 7000		10000				
Max. Switching Current	А	DC or AC peak	3	2	3	3 2		2				
Max. Current Carry	Α	DC or AC peak	4	3	4	4 3		2				
Capacitance Across Contacts	pF	Coil/Screen Grounded	<0.2	<0.2	<0).2	<0.2	<0.2				
Lifetime	Operations	Dry Switching	109	109	10	10 ⁹ 10 ⁹		109				
Lifetime	Operations	50W Switching	10 ⁶	10 ⁶	10	106 106		108				
Contact Resistance	m0hms	Maximum (Typical)	50 (15)	250 (100	50 (15)	250 (100)	250 (100)				
Insulation Resistance	Ohms	Minimum (Typical)	1010 (1013)	1010 (101	3) 10 ¹⁰ ($10^{10} (10^{13}) \ 10^{10} (10^{13})$		10 ¹⁰ (10 ¹³)				
Coil at 20°C			5V	12V 24	<i>l</i> 5V	12 V	24V		12V	24V		
Must Operate	V	DC	3.7	9 20	3.7	9	20	3.7	9	20		
Must Release	٧	DC	0.5	1.25 4	0.5	1.25	5 4	0.5	1.25	4		
Operate Time	ms	Diode Fitted	3.0	3.0 3.0	2.0	2.0	2.0	3.0	3.0	3.0		
Release Time	ms	Diode Fitted	2.0	2.0 2.0	3.0	3.0	3.0	2.0	2.0	2.0		
Resistance	Ohms		28	150 78	38	240	925	16	95	350		
Construction												
Isolation Contact to Coil	kV	DC or AC peak		17		17		17				
Insulation Resistance Contact												
to All Other Terminals	Ohms	Minimum (Typical)	10 ¹⁰ (10 ¹³)			10 ¹⁰ (10 ¹³)		10 ¹⁰ (10 ¹³)				
Environmental												
Operating Temperature Range	°C		-20 to +70			-20 to +70		-20 to +70				
Weight Version		Standard	Panel			Spade		Flying Lead				
Form A	gm	23		28			29			38		
Form B	gm	31		36		37			46			

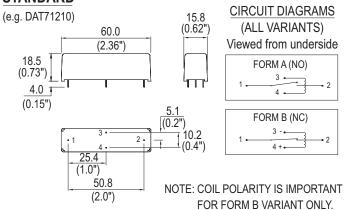


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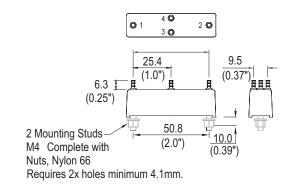


STANDARD



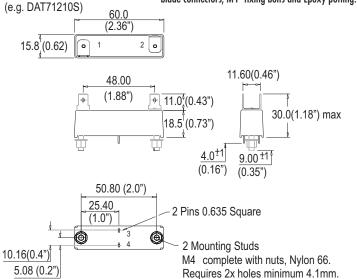
PANEL MOUNT

(e.g. DAT71210P)



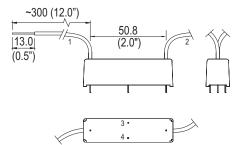
SPADE TYPE

'S' Suffix denotes the 6.3 'Push On' blade connectors, M4 fixing bolts and Epoxy potting.



FLYING LEAD

(e.g. DAT71210F)



NOTE: PINS WHICH ARE NOT NUMBERED HAVE NO ELECTRICAL CONNECTION.

IS09001 Certified

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