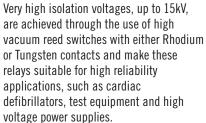
D Series

High Voltage relays 10kV & 15kV





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

PCB or Panel Mount, via Nylon studs, versions are available.

Connection options, for the HV, include PCB, solder turret(wire wrap), flying lead and 0.25" spade terminals.

Cynergy3 Components Ltd. 7 Cobham Road Ferndown Industrial Estate Wimborne, Dorset BH21 7PE Telephone +44 (0) 1202 897969

Email:sales@cynergy3.com





- 10kV or 15kV Isolation
- Low Contact Resistance
- PCB or Panel Mount
- HV connections via Flying Leads, Solder Turret (wire wrap), or 1/4" Spade Terminals
- Excellent AC characteristics

Contact Specification Unit Condition	10kV SPNO	10kV SPNC	15kV SPNO
Contact Material Isolation across contacts kV Switching Power Max. W Switching Voltage Max. V Switching Current Max. A Capacitance across pF contacts grounded Lifetime operations Contact Material DC or AC peak DC or AC peak Coil to screen grounded dry switching 50W switching	Rhodium Tunsten 10 10 50 50 1000 7000 3 2 <0.2 <0.2 109 109 106 106	Rhodium Tungsten 10 10 50 50 1000 7000 3 2 <0.2 <0.2 109 109 106 106	Tungsten 15 50 10000 2 <0.2 10° 106
Contact Resistance Insulation Resistance Ω min (typical) Coil Specification	50 (15) 250(100) 10 ¹⁰ (10 ¹³) 5V 12V 24V	50 (15) 250(100) 10 ¹⁰ (10 ¹³) 5V 12V 24V	250 (100) 10 ¹⁰ (10 ¹³) 5V 12V 24V
Must Operate Voltage V DC Must Release Voltage V DC Operate Time ms diode fitted Release Time ms diode fitted Resistance Ω Relay Specification	3.7 9 20 0.5 1.25 4 3.0 3.0 3.0 2.0 2.0 2.0 28 150 780	3.7 9 20 0.5 1.25 4 2.0 2.0 2.0 3.0 3.0 3.0	3.7 9 20 0.5 1.25 4 3.0 3.0 3.0 2.0 2.0 2.0 16 95 350
Isolation contact/coil kV Insulation resistance contact to all terminals Ω min (typical) Envirnonmental Operating Temp range °C	17 10 ¹⁰ (10 ¹³) -20 to +70	17 10 ¹⁰ (10 ¹³) -20 to +70	17 10 ¹⁰ (10 ¹³) -20 to +70

Part Numbering System

Reed Switch Size Contact Form A=n/o, B=n/c Contact Material R=Rhodium, T=Tungsten Moulding Ref. No. Coil Voltage 05=5Vdc, 12=12Vdc, 24=24Vdc Isolation between Contacts 3=3kV, 5=5kV, 10=10kV, 15=15kV

Mounting or Connection Style

No suffix indicates PCB mount F=PCB mount & coil connection with Flying lead HV connection P=Panel mount with wire wrap terminals S=PCB mount & coil connection with stud fixing & 1/4" spade HV connection (not available on 15kV models) T=PCB mount & coil connection with

I=PCB mount & coil connection with stud fixing & wire wrap HV connection

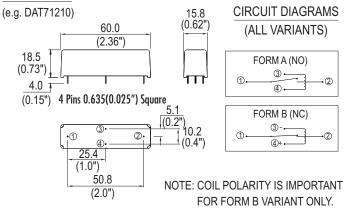
ISO9001 CERTIFIED

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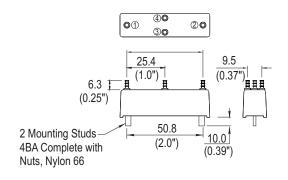
MECHANICAL





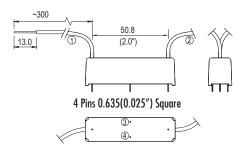
PANEL MOUNT

(e.g. DAT71210P)



FLYING LEAD

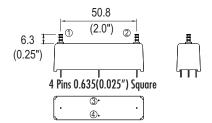
(e.g. DAT71210F)



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

TURRET (Wire Wrap)

(e.g. DAT71210T)



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

SPADE TYPE

(e.g. DAT71210S)

'S' Suffix denotes the 0.250" 'Push On' blade connectors, 4BA fixing bolts and Epoxy potting.

