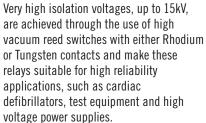
# **D** Series

# High Voltage relays 10kV & 15kV





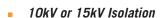
The Rhodium contact relays have low contact resistance, while the Tungsten contact relays can switch higher voltages.

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



- 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 U  | tact Specification Unit Condition   |   | 10kV SPNO                                       |  | / SPNC   | 15kV SPNO   |                              |
|--|---|---|---|--|--|---|------------------------------|
| Contact Material Isolation across contacts k Switching Power Max. V Switching Voltage Max. V Switching Current Max. A Carry Current Max. A | DC or AC peak DC or AC peak DC or AC peak Coil to screen grounded dry switching 50W switching | Rhodiu<br>10<br>50<br>1000<br>3<br>4<br><0.2<br>10 <sup>9</sup><br>10 <sup>6</sup><br>50 (15) |   | 10<br>50<br>1000<br>3<br>4<br><0.2<br>10°<br>106 | Tungsten 10 50 7000 2 3 <0.2 10 9 10 6 250(100) 10 13)   | Tungsten 15 50 10000 2 2 <0.2 10° 106 250 (100) 10¹0 (10¹³) |                              |
| Coil Specification   | (зургодз  |   | .2V 24V   | 5V   | 12V 24V  | 5V 12V  | 24V                          |
|  |   | 3.7<br>0.5<br>3.0<br>2.0<br>28  | 9 20<br>1.25 4<br>3.0 3.0<br>2.0 2.0<br>150 780 | 3.7<br>0.5<br>2.0<br>3.0<br>38                   | 9 20<br>1.25 4<br>2.0 2.0<br>3.0 3.0<br>240 925          | 3.7 9<br>0.5 1.25<br>3.0 3.0<br>2.0 2.0<br>16 95            | 20<br>4<br>3.0<br>2.0<br>350 |
| Isolation contact/coil k<br>Insulation resistance conta<br>to all terminals<br>Envirnonmental<br>Operating Temp range °(                   | act<br>min (typical)  | 10 <sup>10</sup> (10  |   |  | 17<br>10 <sup>10</sup> (10 <sup>13</sup> )<br>-20 to +70 | 17<br>10 <sup>10</sup> (10 <sup>13</sup> )<br>-20 to +70    |                              |

#### Part Numbering System

# D A T 7 12 10 F **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** 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

stud fixing & wire wrap HV

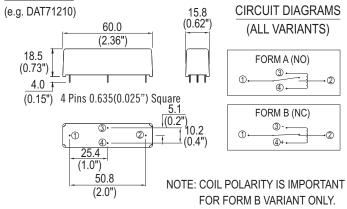
connection

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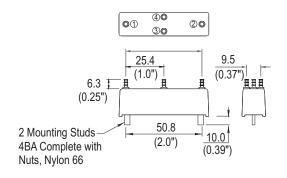
## **MECHANICAL**

## **STANDARD**



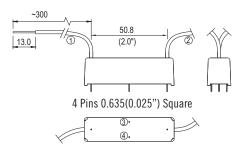
## **PANEL MOUNT**

(e.g. DAT71210P)



## **FLYING LEAD**

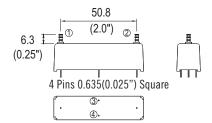
(e.g. DAT71210F)



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.

