Sensata

## D Series

## High Voltage relays 10kV \& 15kV

- $10 k V$ or $15 k V$ Isolation


Very high isolation voltages, up to 15 kV , 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 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.

- Low contact resistance
- PCB or panel mount
- HV connections via flying leads, solder turret (wire wrap), or 1/4" spade terminals
- Excellent AC characteristics


Please refer to this document for circuit design notes:-
http://www.cynergy3.com/blog/application-notes-reed-relays-0

## Part Numbering System



Mounting or Connection Style No suffix indicates PCB mount $F=P C B$ mount \& coil connection with Flying lead HV connection $\mathrm{P}=$ 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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Sensata
Technologies

MECHANICAL


## FLYING LEAD

(e.g. DAT71210F)


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

PANEL MOUNT
(e.g. DAT71210P)


## 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, M4 fixing bolts and Epoxy potting.


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# Mouser Electronics 

Authorized Distributor

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Sensata:
DAR70510 DBT72410F DAR71210 DAR72410 DAT70510 DAT71210 DAT71215 DAT72410 DAT72415 DBR71210 DBR72410 DBT70510 DBT71210 DBT72410

