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## QNNMS2 Relay

A twin, dc neutral, tractive armature, line relay

### General data

|                        |              |
|------------------------|--------------|
| Contact Arrangement:   | 2 x 5F 3B    |
| Nominal Rated Voltage: | 50 V dc      |
| Typical Release Time   | 80 ms @ 45 V |
| Approximate Weight:    | 1.39 kg      |

Note: Refer to the following data sheets:

- 7-1-1 for general information and contact ratings.
- 7-2-1 for dimensions.
- 8.2 for tools.
- 8.3 for plugboard and connector details.

Refer overleaf for specific data.



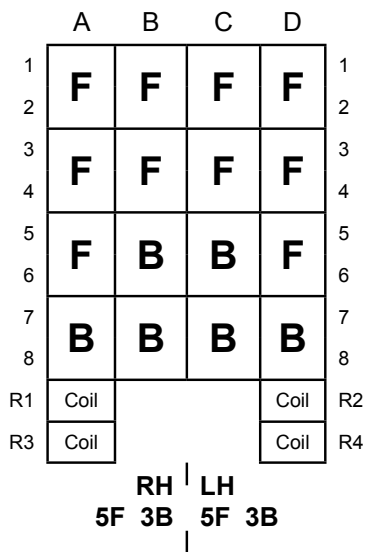
Typical Twin Coil Relay

### Description

This unit comprises two electrically independent relays mounted side-by-side on a single base.

Each of the twin relays is designed to operate a maximum of eight contact pairs of silver palladium/silver palladium contacts, for use in non-vital circuits

## Contact layout viewed from rear



## Packaging

Q-Relays are packed in a carton holding ten relays; the same container is used for quantities of four to nine relays. Quantities less than four are packed individually in cardboard boxes, as are all train-carried relays. Each container has a bar-coded label affixed to the outside, stating details of the packaged relay(s) and the quantity therein.

## EMC Compliance

Q-Relays comply with the relevant emission requirements of EN 55014. It is considered that these relays have inherent immunity to in-service electro-magnetic disturbance.

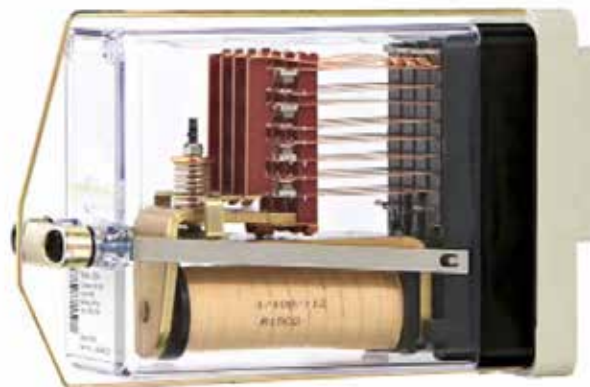
A Technical Certificate for EU Directive on EMC (89/336/EEC) has been obtained.

## Technical data

| SIEMENS Part No. (PAD No.) | CONTACT ARRANGEMENT | RATED VOLTAGE (V dc) | PIN CODE   | COIL RES (OHMS) | WDG SPEC 1/108/- | MAX FULL OP. (V dc) | MIN REL (V dc) | PLUGBOARD (SEE NOTE) | REQD No. OF CONNECTORS J4137/3 | REMARKS |
|----------------------------|---------------------|----------------------|------------|-----------------|------------------|---------------------|----------------|----------------------|--------------------------------|---------|
| B18546/2                   | 5F 3B LH & RH       | 50                   | 871 LMN BG | 2200            | 82               | 40                  | 7.5            | J4138/231            | 36                             | ---     |



Un-drilled plugboard  
Part No. E7218/1



Representation of Relay,  
Plugboard and Retaining clip  
(Clip Part No. J4136/1)