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## QNNM2 Relay

A twin, dc neutral, tractive armature line relay

### General data

Contact Arrangement: 2 x 5F 3B, 2 x 4F 4B and 2 x 2F 2B

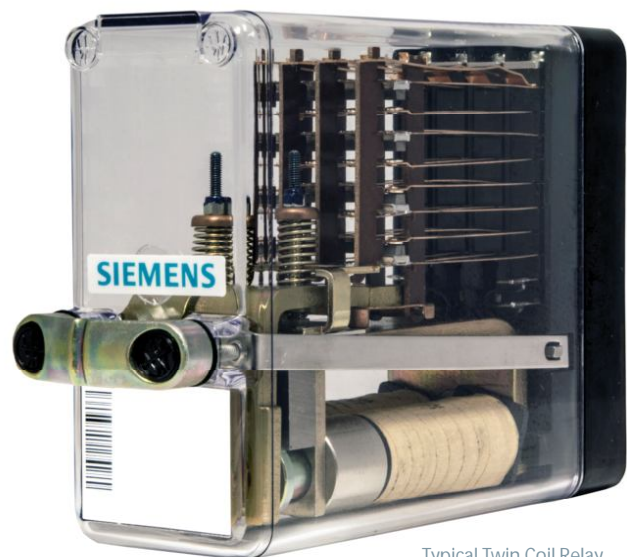
Nominal Rated Voltage: 50V dc

Approximate Weight: 1.3 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.



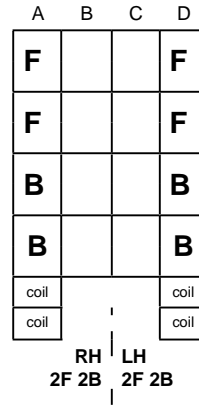
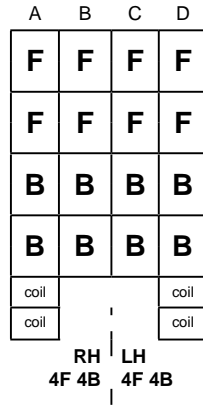
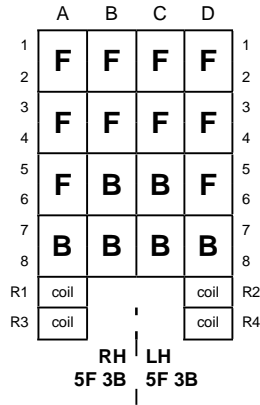
Typical Twin Coil Relay

## 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 pairs of silver palladium/silver palladium contacts, for use in non-vital switching circuits.

## Contact layout viewed from rear



## 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	REQD No. OF CONNECTORS J4137/3	REMARKS
B18543/2 (85/001583)	5F 3B LH & RH	50	869 LNBGK	2500	79	40	7.5	J4138/232	36	---
B18543/3 (88/030943)	2F 2B LH & RH	50	872 NBHJK	6000	84	40	7.5	J4138/241	20	---
B18543/4	4F 4B LH & RH	50	ACHKS	2500	79	40	7.5	J4138/395	36	----

## 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.

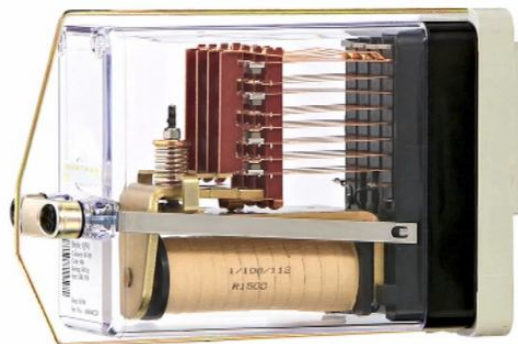
## EMC Compliance

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.



Un-drilled plugboard  
Part No. E7218/1



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