



Siemens.com/mobility

QNNS1 Relay

A twin, dc neutral, tractive armature, slow operate, slow release, line relay

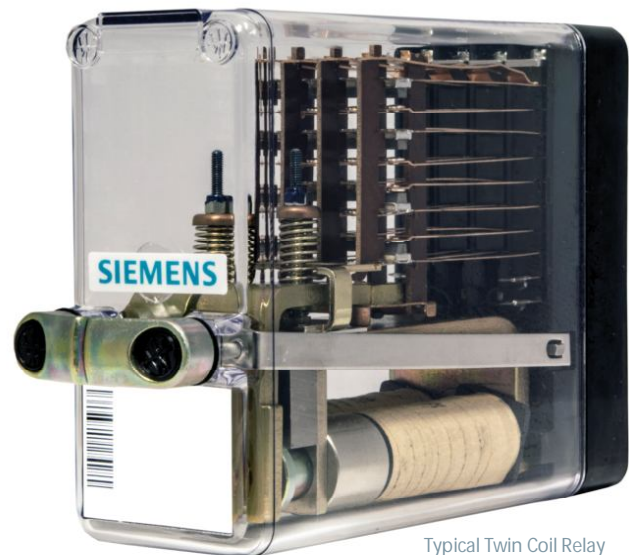
General data

Contact Arrangement:	2 x 6F 2B, 2 x 4F 4B and 2 x 3F 5B
Nominal Rated Voltage:	12V, 24V and 50V dc
Operating Time:	150 - 250 ms
Minimum Release Time:	150ms @ 80% of supply
Approximate Weight:	1.36 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

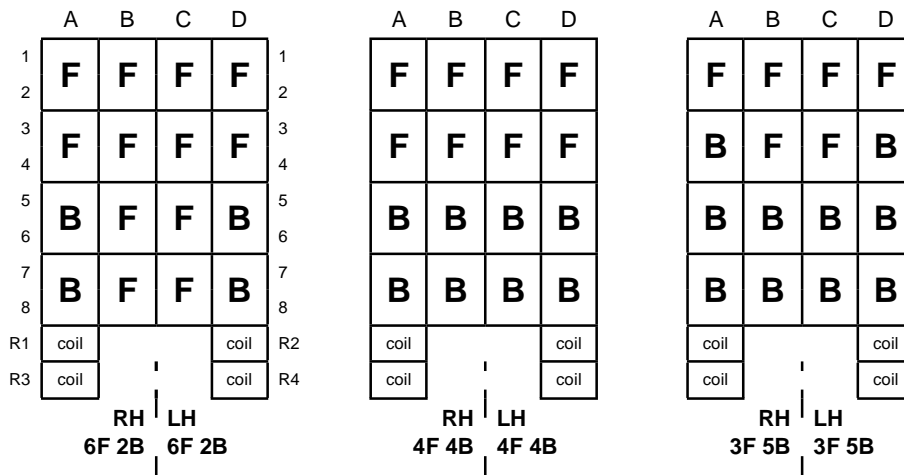
Description

This unit comprises two independent, slow operate, slow release relays mounted side-by-side on a single base.

Each of the twin relays is designed to operate a maximum of eight pairs of contacts.

The variations of this relay are listed overleaf. Where a relay corresponds exactly to a type listed in a BR Spec., the Spec. No. is shown in the remarks column.

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	RECD No. OF CONNECTORS J4137/3	REMARKS
B18521/1 (085/001930)	4F 4B LH & RH	24	213 CDEGK	280	148	19.2	3.6	J4138/180	36	BRB SPEC. 963
B18521/2 (085/001920)	6F 2B LH & RH	24	214 CDEHK	280	148	19.2	3.6	J4138/181	36	BRB SPEC. 963
B18521/3 (085/001960)	4F 4B LH & RH	50	215 CDEJK	1050	183	40	7.5	J4138/178	36	BRB SPEC. 963
B18521/4 (085/001950)	6F 2B LH & RH	50	216 CDFGK	1150	133	40	7.5	J4138/177	36	BRB SPEC. 963
B18521/5	4F 4B LH & RH	12	BDJKX	60	98	9.6	1.8	J4138/271	36	----
B18521/6	6F 2B LH & RH	12	BFHJX	60	98	9.6	1.8	J4138/277	36	----
B18521/7	3F 5B LH & RH	50	CEFGX	1150	133	40	7.5	J4138/314	36	----

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The information within this document contains general descriptions of the technical options available, which do not always have to be present in individual cases. The required features should therefore be specified in each individual case at the time of closing the contract.