



Siemens.com/mobility

QND2 Relay

A double wound dc neutral, tractive armature, line relay

General data

Contact Arrangement: 12F 4B, 8F 8B, 6F 6B, 4F 4B and 8F 4B

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.



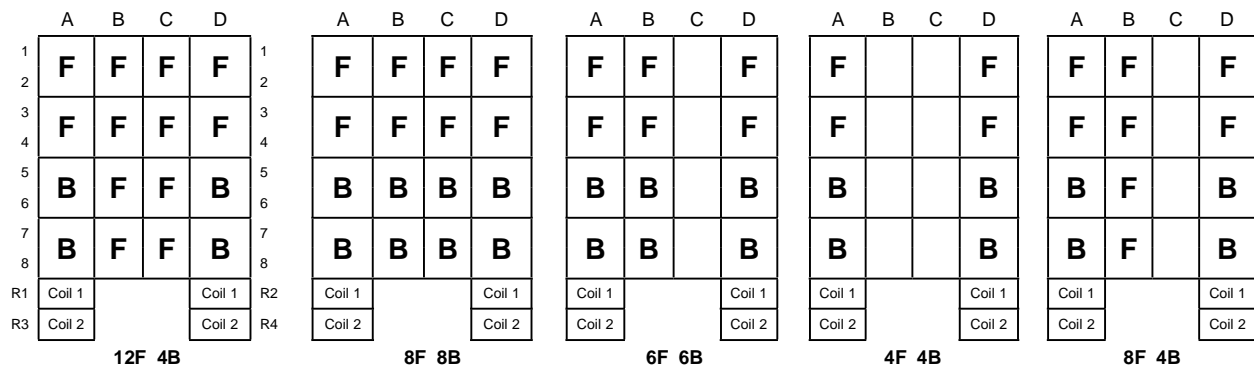
Typical Single Coil Relay

Description

Designed primarily for use in railway signalling circuits where operation from either of two separate supplies is required.

The variations of this relay style 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



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
B18503/11 (85/000500)	12F 4B	24	001 ABCDE	245 245	4	19.2	3.6	J4138/45	36	BRB SPEC. 930
B18503/12 (85/000520)	8F 8B	24	002 ABCDF	245 245	4	19.2	3.6	J4138/47	36	BRB SPEC. 930
B18503/14 (85/000530)	6F 6B	24	002 ABCDF	245 245	4	19.2	3.6	J4138/48	28	BRB SPEC. 930
B18503/15 (85/000540)	4F 4B	24	002 ABCDF	245 245	4	19.2	3.6	J4138/49	20	BRB SPEC. 930
B18503/16 (85/000560)	12F 4B	50	003 ABCEF	1125 1020	3	40	7.5	J4138/50	36	BRB SPEC. 930
B18503/17 (85/000580)	8F 8B	50	004 ABDEF	1125 1020	3	40	7.5	J4138/52	36	BRB SPEC. 930
B18503/18 (85/000570)	8F 4B	50	003 ABCEF	1125 1020	3	40	7.5	J4138/51	28	BRB SPEC. 930
B18503/19 (85/000590)	6F 6B	50	004 ABDEF	1125 1020	3	40	7.5	J4138/53	28	BRB SPEC. 930
B18503/20 (85/000600)	4F 4B	50	004 ABDEF	1125 1020	3	40	7.5	J4138/54	20	BRB SPEC. 930
B18503/21	6F 6B	12	BDHJX	61 61	97	9.6	1.8	J4138/269	28	----
B18503/22	4F 4B	24 4	BDEJS	245 20	219	19.2 3.2	3.6 0.6	J4138/438	20	R3-R4 WINDING SUPPLY IS 4V

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.