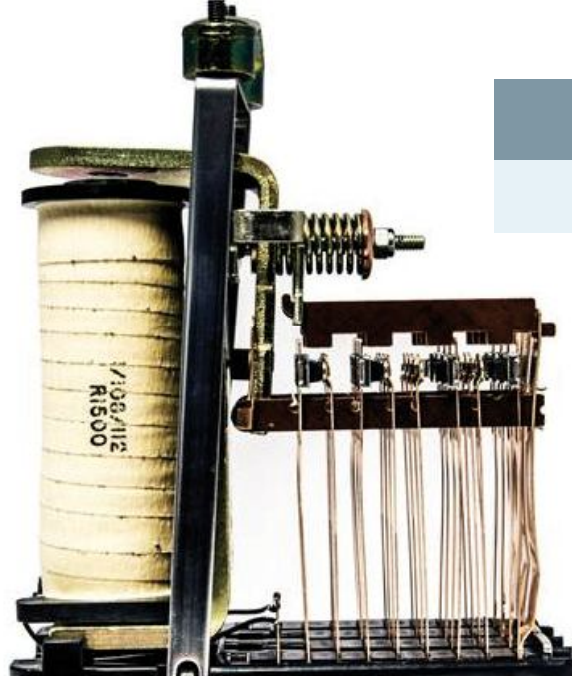


SIEMENS

Relay Solutions

BR 930 SERIES



Siemens.com/mobility

QBBA1 Relay

A twin, dc biased, ac immune, tractive armature relay

General data

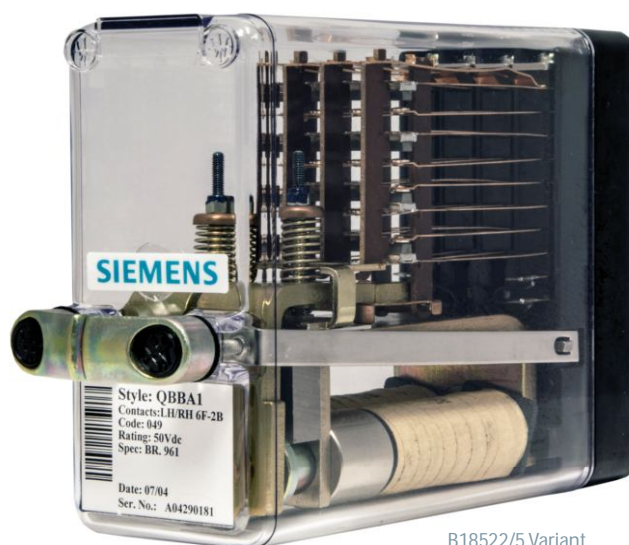
Nominal Rated Voltage: 12V, 24V and 50V dc

Approximate Weight: 1.4 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.



B18522/5 Variant

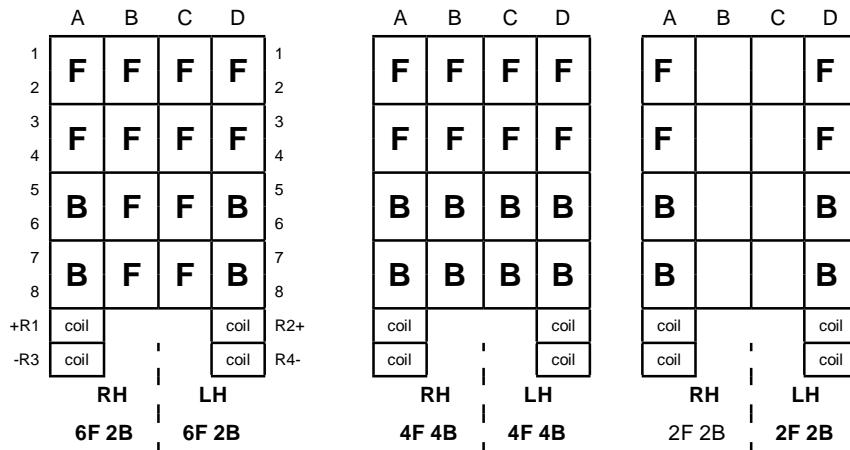
Description

The unit comprises two electrically independent biased 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 and is ac immune to 1000 V rms, 50 Hz. The reverse dc voltage immunity is 1000 V dc for the 50 V relay and 480 V dc for the 24 V relay.

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



Un-drilled plugboard
Part No. E7218/1

Technical data

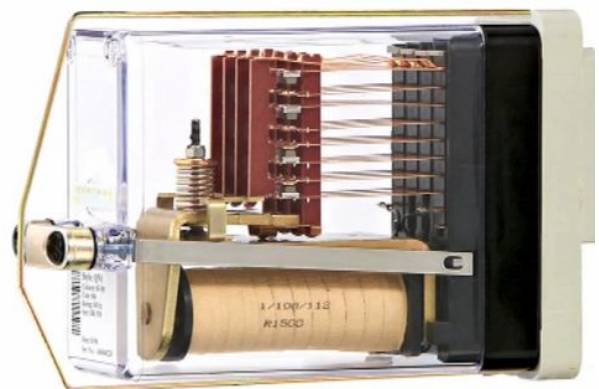
SIEMENS Part No. (PAD No.)	CONTACT ARRANGEMENT	RATED VOLTAGE (V dc)	PIN CODE	COIL RES (OHMS)	WDG SPEC 1/108/-	MAX FULL OP. (V dc)	MIN REL (V dc)	PLUGBOARD	REQD No. OF CONNECTORS J4137/3	REMARKS
B18522/1 (85/001820)	4F 4B LH & RH	24	097 ACEFK	240	73	19.2	3.6	J4138/228	36	BRB SPEC. 961
B18522/2 (85/001810)	6F 2B LH & RH	24	098 ACEGK	240	73	19.2	3.6	J4138/229	36	BRB SPEC. 961
B18522/4 (85/001860)	4F 4B LH & RH	50	017 ABCEH	1100	72	40	7.5	J4138/175	36	BRB SPEC. 961
B18522/5 (85/001850)	6F 2B LH & RH	50	049 ABFHJ	1100	72	40	7.5	J4138/173	36	BRB SPEC. 961
B18522/6 (85/001870)	2F 2B LH & RH	50	017 ABCEH	1100	72	40	7.5	J4138/174	20	BRB SPEC. 961
B18522/7	6F 2B LH & RH	12	XBEFG	65	99	9.6	1.8	J4138/272	36	
B18522/9	4F 4B LH & RH	12	ABDKS	65	99	9.1	2.4	J4138/455	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.



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