

Siemens.com/mobility

QBA2 Relay

An ac immune, dc biased, tractive armature, line relay

General data

Contact Arrangement:	4F 4B
Nominal Rated Voltage:	50 V dc
Typical Operate Time:	220 ms
Typical Release Time:	50 ms
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

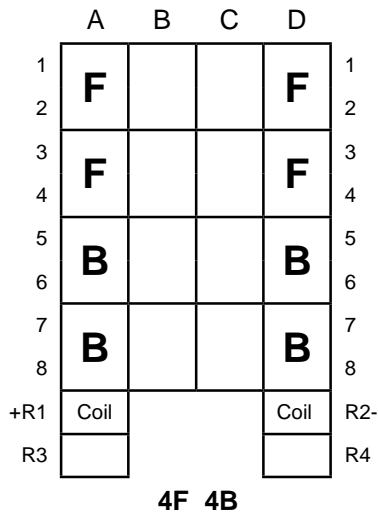
Description

This relay is a more sensitive version of the QBA1 for long supply lines.

Designed primarily for use in railway signalling circuits, where the operation of the relay is dependant on the polarity of the coil current.

In addition to a biasing magnet the relay is fitted with a slug and shunt to provide ac immunity.

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.

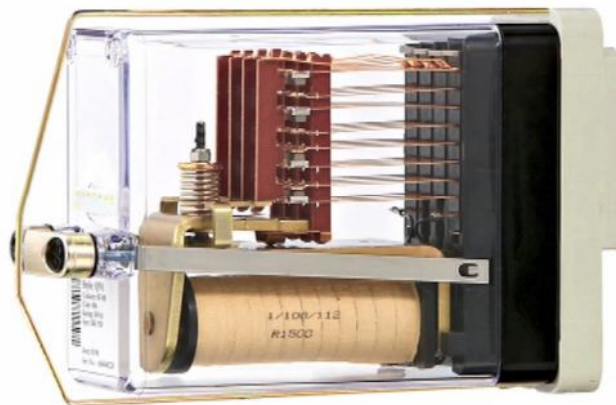
A Technical Certificate for EU Directive on EMC (89/336/EEC) has been obtained.

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	REQD No. OF CONNECTORS J4137/3	REMARKS
B18507/21	4F 4B	50	193 BFGHK	2200	58	40	7.5	J4138/287	18	SENSITIVE FOR LONG SUPPLY LINES



Un-drilled plugboard
Part No. E7218/1



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

Siemens Ltd
Infrastructure & Cities Sector
Mobility and Logistics Division
Rail Automation
PO Box 79
Pew Hill
Chippenham
Wiltshire SN15 1JD
UK
www.siemens.com/rail-automation

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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.