

# SIEMENS

## Relay Solutions

### BR 930 SERIES



[Siemens.com/mobility](http://Siemens.com/mobility)

## QSPA1 Relay

An ac immune, dc neutral slow operate, line relay

### General data

Contact Arrangement:	8F 4B
Nominal Rated Voltage:	24V and 50V dc
Typical Operate Time:	570 ms
Typical Release Time:	150 ms
Approximate Weight:	1.87 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.

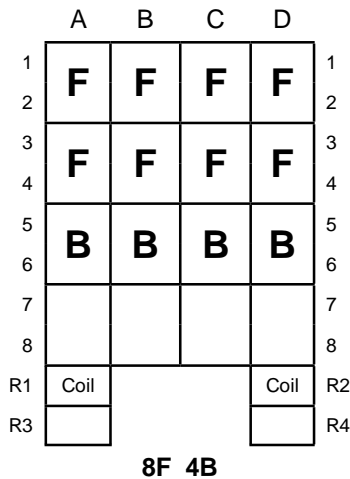


B18511/2 Variant

### Description

Designed primarily as a track circuit repeater relay for use in circuits where it is required not to operate during a momentary feed, and in addition where current at 50 Hz may be present. It is immune to 1000 V ac rms 50 Hz.

## 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.

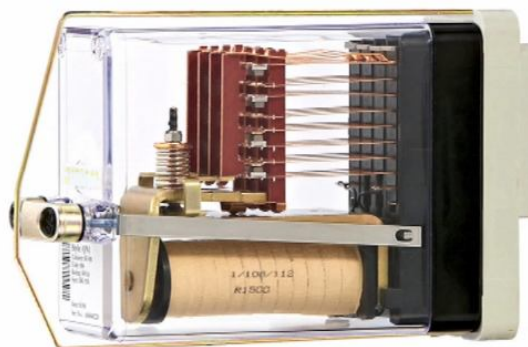
A Technical Certificate for EU Directive on EMC (89/336/EEC) has been obtained.

## 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
B18511/1 (085/000950)	8F 4B	24	041	194	10	19.2	3.6	J4138/43	26	BRB SPEC 933A
B18511/2 (085/000960)	8F 4B	50	043	860	9	40	7.5	J4138/44	26	BRB SPEC 933A



Un-drilled plugboard  
Part No. E7218/1



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

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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.