

Siemens.com/mobility

QRJ1 Relay

A dc neutral tractive armature time delay relay

General data

Contact Arrangement:	1F 1B and 2F
Nominal Rated Voltage:	30V, 50V dc
Approximate Weight:	1.28 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

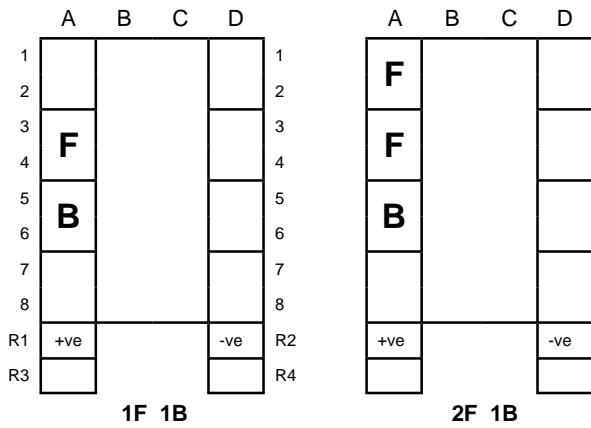
Description

The unit includes a capacitor/resistor network giving a time delay on de-energisation greater than that available from slugged slow to release types

Various delay times are available. The delay is not adjustable.

The units B18561/1-5 were originally designed for level crossing sequences and the unit B18561/6 was originally used as a time delay for an audible alarm.

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 electromagnetic disturbance.

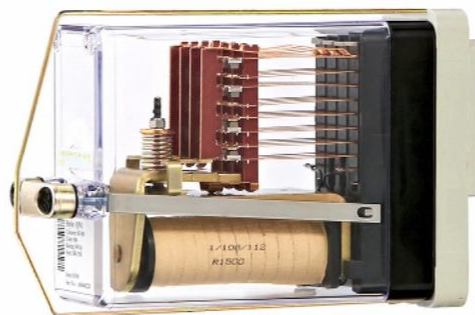
A Technical Certificate for EU Directive on EMC (89/336/EEC) has been obtained.

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
B18561/1 (85/002500)	1F 1B	22-30	232 DEFGH	3300	141	22	3.6	J4138/337	6	Delay 3 Seconds @ 30 V BRB Spec. 946
B18561/2 (85/002502)	1F 1B	22-30	233 DEFGJ	3300	141	22	3.6	J4138/338	6	Delay 5 Seconds @ 30 V BRB Spec. 946
B18561/3 (85/002504)	1F 1B	22-30	234 DEFHJ	3300	141	22	3.6	J4138/339	6	Delay 6 Seconds @ 30 V BRB Spec. 946
B18561/4 (85/002506)	1F 1B	22-30	235 DEGHJ	3300	141	22	3.6	J4138/340	6	Delay 7.5 Seconds @ 30 V BRB Spec. 946
B18561/5 (85/002508)	1F 1B	22-30	236 DFGHJ	3300	141	22	3.6	J4138/344	6	Delay 10 Seconds @ 30 V BRB Spec. 946
B18561/6	2F 1B	50	ACEGS	9000	157	38	7	J4138/382	8	Delay 25 Seconds @ 50 V



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.