



Siemens.com/mobility

QJ1 Relay

A dc neutral, tractive armature, thermal time element relay

General data

Contact Arrangement:	1F 1B
Nominal Rated Voltage:	12V 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.



Typical Q Style Relay

Description

The adjustable time delay is effected by the consecutive heating and cooling cycle of a heating element mounted on one of the contact stacks..

The QJ1 (Special) is similar to the QJ1 but has a different wiring arrangement. It is fitted with 1F-1B contacts, of which one 'Total Time' circuit and one back contact are available.

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.

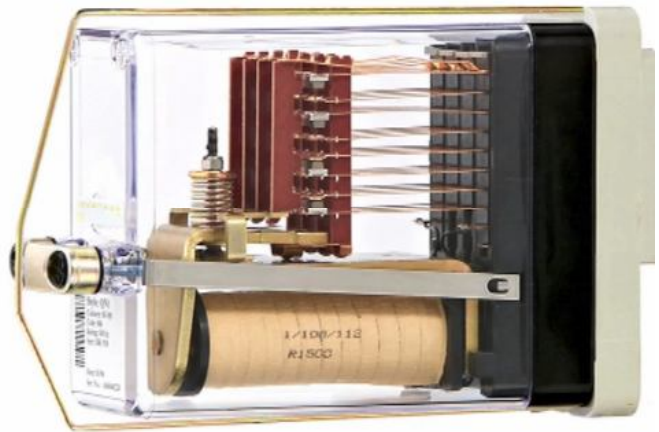
A Technical Certificate for EU Directive on EMC (89/336/EEC) has been obtained.

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
B18518/1	1F 1B at end of Full Time Cycle	12	XABHK	86	36	9.0	2.0	J4138/91	16	Delay 120-240 Seconds
B18518/2	1F 1B at end of Full Time Cycle	12	XAFGH	86	36	9.0	2.0	J4138/209	16	Delay 45-135 Seconds



Un-drilled plugboard
Part No. E7218/1



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