



Siemens.com/mobility

QNX1 RELAY

A twin, ac operated, tractive armature relay

General data

Contact Arrangement: 2F 2B and 4F 4B

Nominal Rated Current: 0.4 A ac

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.



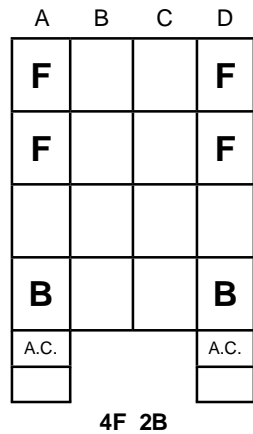
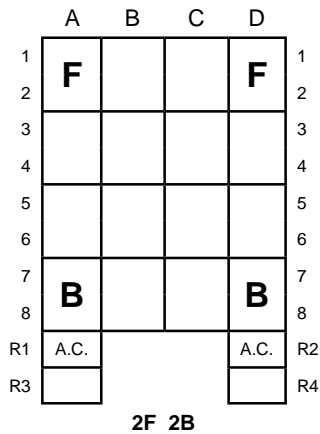
Typical Single Coil Relay

Description

This unit incorporates a bridge rectifier (selenium or silicon depending upon the relay version) to enable operation from an ac supply.

Designed as a lamp proving relay, the B18539/3 version is fitted with a surge suppressor to protect the rectifier and is immune to intercable capacitance of up to 1.0 μF . This version is designed for lamp proving on the series 2000 shunt signal using a 35 W lamp.

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.

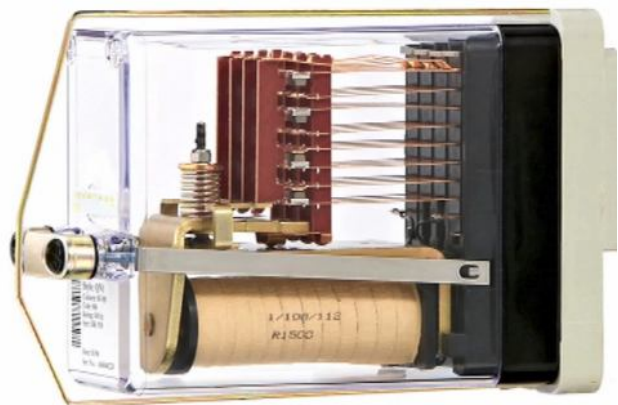
A Technical Certificate for EU Directive on EMC (89/336/EEC) has been obtained.

Technical data

SIEMENS Part No. (PAD No.)	CONTACT ARRANGEMENT	RATED CURRENT (A ac)	PIN CODE	COIL RES (OHMS)	WDG SPEC 1/108/-	MAX FULL OP. (mA ac)	MIN REL (mA ac)	PLUGBOARD	REQD No. OF CONNECTORS J4137/3	REMARKS
B18539/1	2F 2B	0.4	XAEFG	4.2	71	230	75	J4138/207	10	SPECIAL FOR S.A.R. SELENIUM RECTIFIER
B18539/2	4F 2B	0.3	XBCHK	4.2	71	230	75	J4138/257	14	SPECIAL FOR S.A.R. SELENIUM RECTIFIER
B18539/3 (085/001582)	4F 2B	0.4	188 BEFHK	5.2	140	275	75	J4138/335	14	SILICON RECTIFIER



Un-drilled plugboard
Part No. E7218/1



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