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## QWCX1 Relay

A motor current proving relay

### General data

|                        |        |
|------------------------|--------|
| Contact Arrangement:   | 2F 2B  |
| Nominal Rated Current: | 7 A ac |
| Approximate Weight:    | 2.1 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

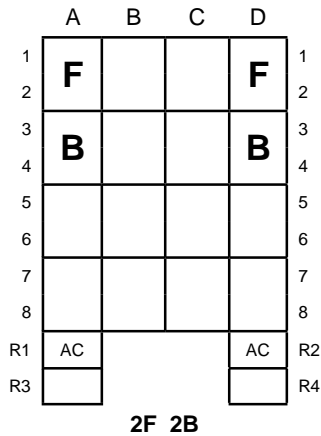
### Description

Designed to detect the failure of an a.c. point machine motor.

The normal required rating of the relay under fault condition of 16 A is 7.5 seconds. The relay and diode are capable of carrying this current for a period of 3.5 minutes in an ambient temperature of 22°C.

With a current flow of 7 A the unit can remain energised for a period up to one hour.

## Contact layout viewed from rear



Note: Diode connected between A8 and D8 with Diode +ve on A8 and Diode -ve on D8.

## 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.

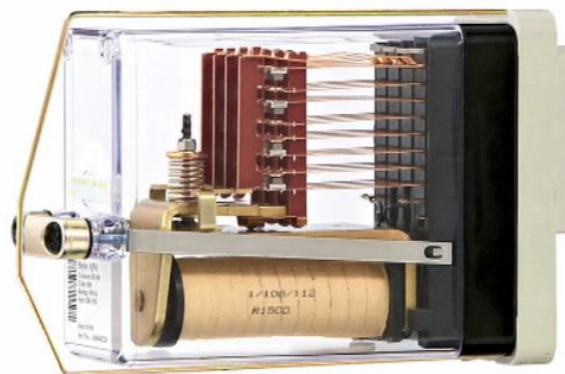
A Technical Certificate for EU Directive on EMC (89/336/EEC) has been obtained.

## 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. (A ac) | MIN REL (A ac) | PLUGBOARD | REQD No. OF CONNECTORS J4137/3 | REMARKS |
|----------------------------|---------------------|----------------------|----------|-----------------|------------------|---------------------|----------------|-----------|--------------------------------|---------|
| B18513/6                   | 2F 2B               | 7                    | XBGJK    | 0.14            | 119              | 2.8                 | 1.0            | J4138/289 | 10                             | ----    |



Un-drilled plugboard  
Part No. E7218/1



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

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# SIEMENS

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.