



Siemens.com/mobility

QUCX5 Relay

An ac current operated, tractive armature relay

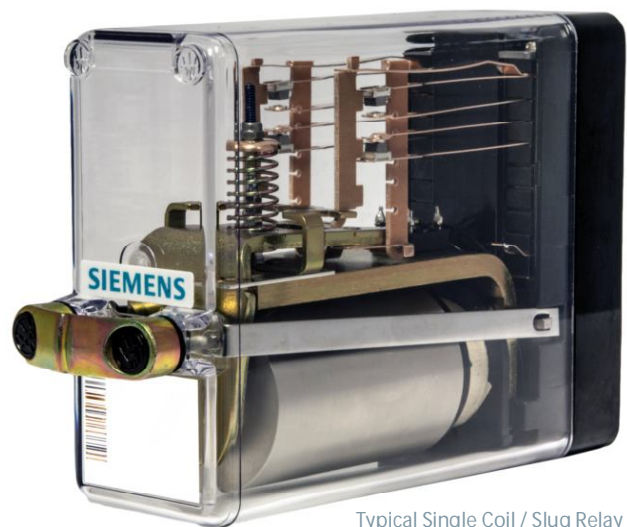
General data

Contact Arrangement:	4F 2B
Nominal Rated Current:	R1-R2 0.8 A ac
Nominal Rated Voltage:	A7-D7 50 V dc
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 / Slug Relay

Description

This unit incorporates a diode bridge rectifier to enable operation from an ac supply.

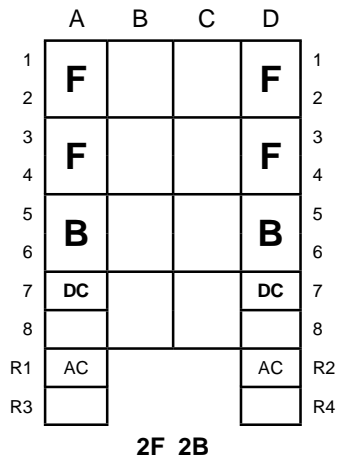
It is designed as a lamp proving relay for 5-off, 30V 15W lamps fed from 100V 50 Hz via a transformer.

The relay has two windings, one across R1-R2 connected in series with the transformer primary. The other winding (50 V) across A7-D7, connected externally in series with a front contact .

The supply is flashed at one second 'On' and one second 'Off'. The relay is thus operated by the first flash and then sticks via the 50 V winding over a front contact. The 50 V supply must be cut at the end of the flashing sequence.

The relay will operate with 4 cold lamps but not with 3 cold lamps.

Contact layout viewed from rear



Note: 0.8 A a.c. winding across R1-R2
50 V d.c. winding across A7-D7.

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.

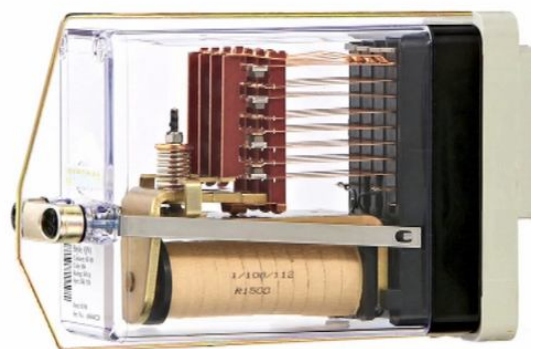
A Technical Certificate for EU Directive on EMC (89/336/EEC) has been obtained.

Technical data

SIEMENS Part No. (PAD No.)	CONTACT ARRANGEMENT	RATED AMPS (A ac) / RATED VOLTS (A ac)	PIN CODE	COIL RES (OHMS)	WDG SPEC 1/108/-	MAX FULL OP.	MIN REL	PLUGBOARD	REQD No. OF CONNECTORS J4137/3	REMARKS
B18513/24	4F 2B	Winding R1-R2 0.8 A Winding A7-D7 50 V	BCFGS	----	206	Winding R1-R2 800 mA Winding A7-D7 40 V	Winding R1-R2 400 mA Winding A7-D7 7.5 V	J4138/452	14	M30855



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.