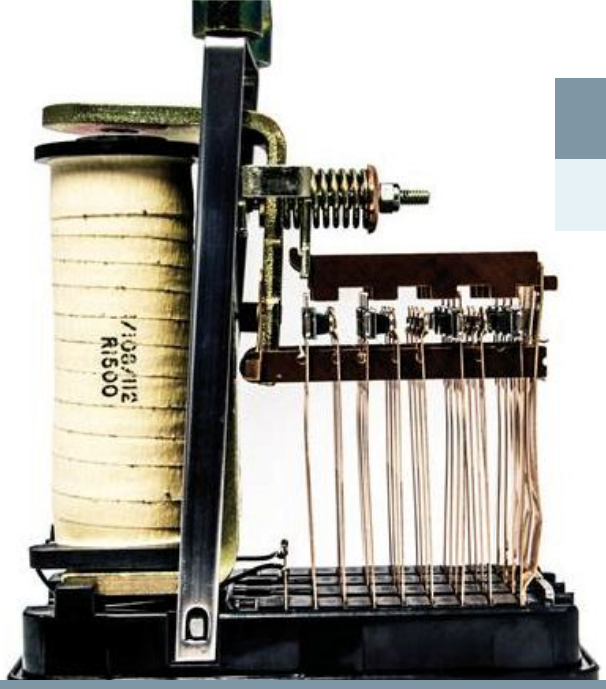
SIEMENS



Relay Solutions

BR 930 SERIES

Siemens.com/mobility

QUCX5 Relay

An ac current operated, tractive armature relay

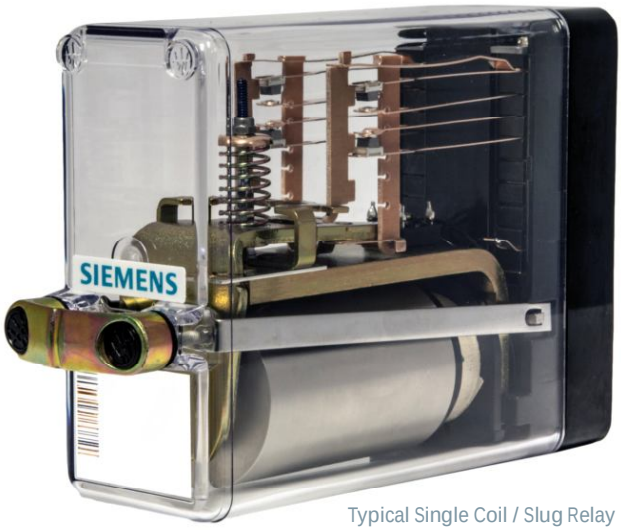
General data

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.

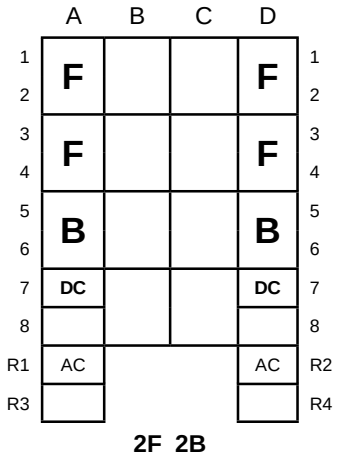
It is designed as a lamp proving relay for 5-off, 30V 15W lamps fed from 100V 50 Hz via a transformer.

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 squence.

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.

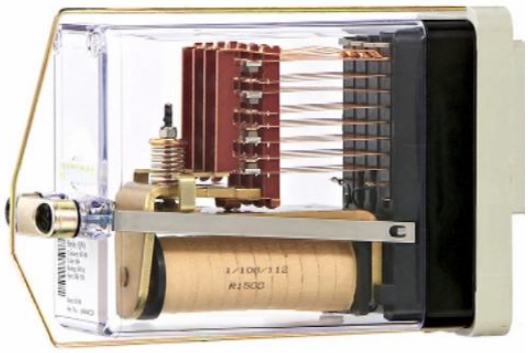
EMC Compliance

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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