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## QN13 Relay

Special Relay (see description)

### General data

Contact Arrangement: 2F  
Approximate Weight: 1.0 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.

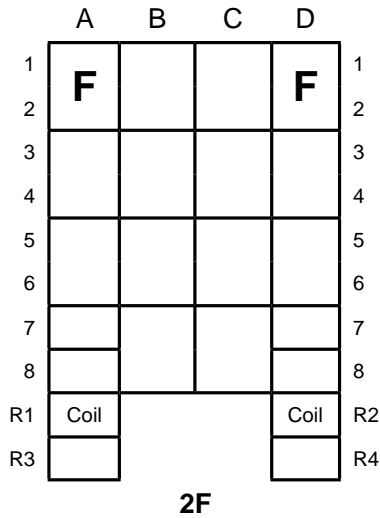


Typical Single Coil Relay

### Description

A special relay, to perform the function of the TTS relay (stick end) of the LUL tunnel telephone system.

## 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 electromagnetic disturbance.

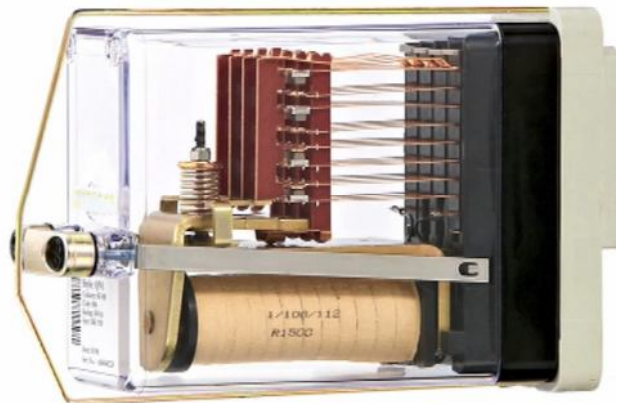
A Technical Certificate for EU Directive on EMC (89/336/EEC) has been obtained.

## Technical data

SIEMENS Part No. (PAD No.)	CONTACT ARRANGEMENT	NOMINAL OP. V dc	PIN CODE	COIL RES (OHMS)	WDG SPEC 1/108/-	MAX FULL OP. (mA)	MIN REL (mA)	PLUGBOARD	REQD No. OF CONNECTORS J4137/3	REMARKS
B18581/1	2F	-	BCEKS	460	187	11	5.5	J4138/432	6	SPECIAL FOR LUL TUNNEL TELEPHONE SYSTEM



Un-drilled plugboard  
Part No. E7218/1



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