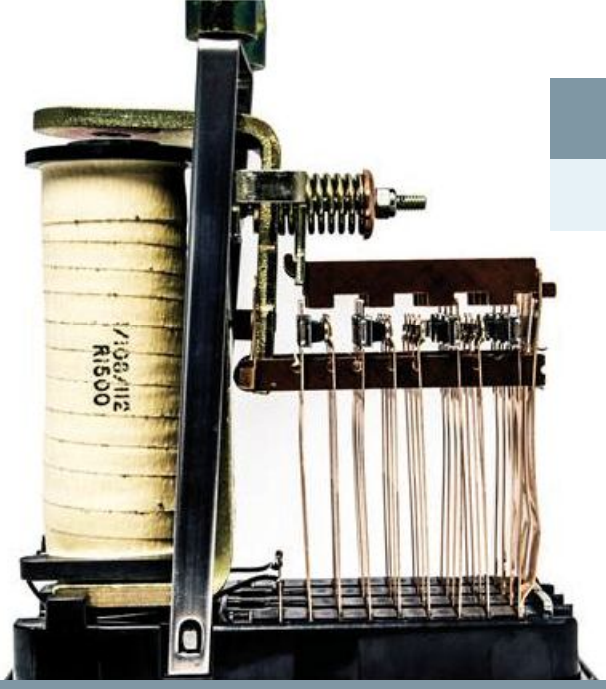
SIEMENS



Relay Solutions

BR 930 SERIES

Siemens.com/mobility

QBT1 Relay

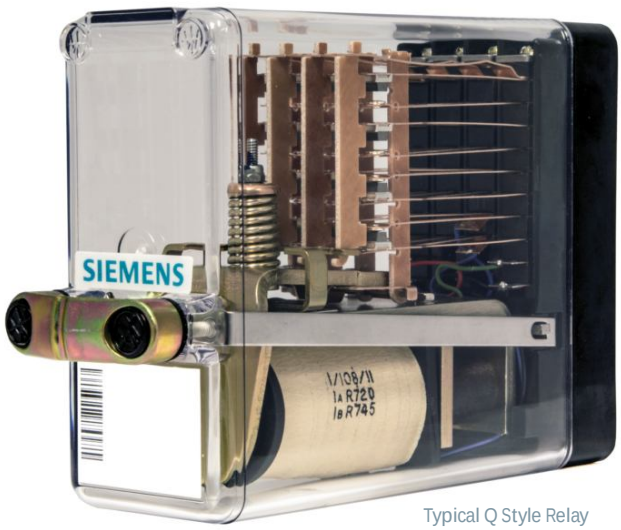
A motor current proving relay

General data

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 Q Style Relay

Description

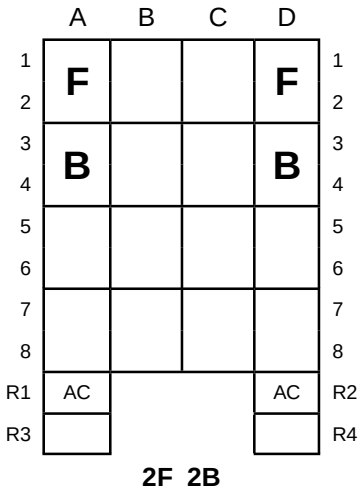
A dc biased track relay. No BR Specification exists to cover this relay but it complies with all general requirements of BR938 and 932 (specifications for neutral track relay and biased line relay respectively) as far as these are applicable.

Requirements from the above specifications with which this relay complies are listed below:

1. The relay will operate when positive is applies to R1, negative to R2.
2. The relay will not operate when up to 20 times normal working current is applied with opposite polarity (working current being defined as 125% of operate current).
3. The application of up to 20 times normal operate current of either polarity must not change the characteristics of the relay by more than 10%.
4. The coil shall be continuously rated for 4 watts.

All of the specified characteristics apply with a coil temperature of 20°C.

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.

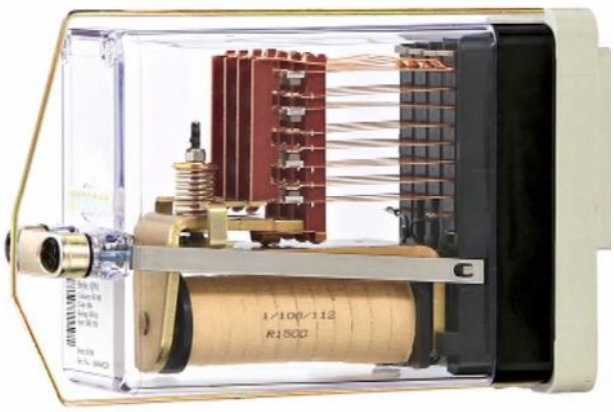
EMC Compliance

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	OPERATE CURRENT (mA)	PIN CODE	COIL RES (OHMS)	MAX FULL OPERATE CURRENT (mA)	MIN REL CURRENT	PLUGBOARD	REQD No. OF CONNECTORS J4137/3	REMARKS
B18584/1	2F 2B	Max 140 Min 120	DFHJX	4	154	68%	J4138/476	10	M25032 Equivalent

Un-drilled plugboard
Part No. E7218/1



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

Siemens Ltd
Infrastructure & Cities Sector
Mobility and Logistics Division
Rail Automation
PO Box 79
Pew Hill
Chippenham
Wiltshire SN15 1JD
UK
www.siemens.com/rail-automation

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