

Siemens.com/mobility

QNN10 Relay

A dc neutral, tractive armature, line relay

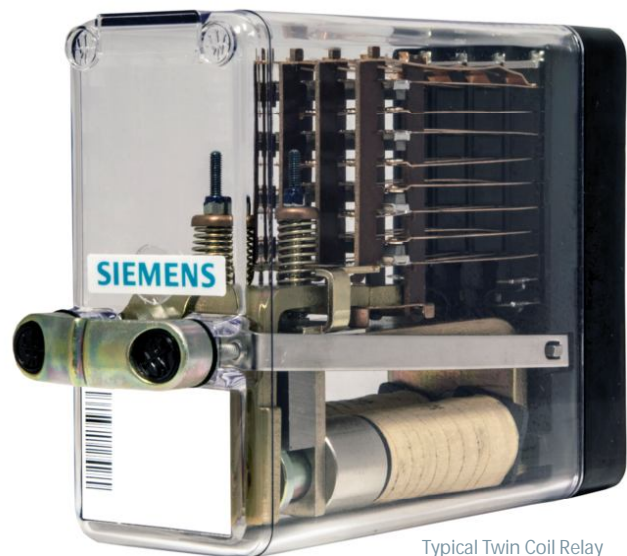
General data

Contact Arrangement: 2 x 4F 4B, 2 x 6F 2B
 Nominal Rated Voltage: 40V, 50V and 110V dc
 Approximate Weight: 1.32 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 Twin Coil Relay

Description

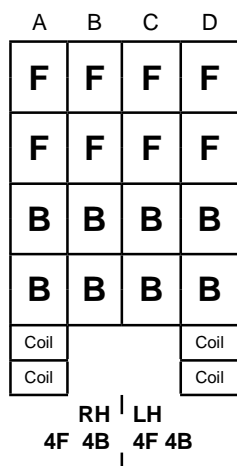
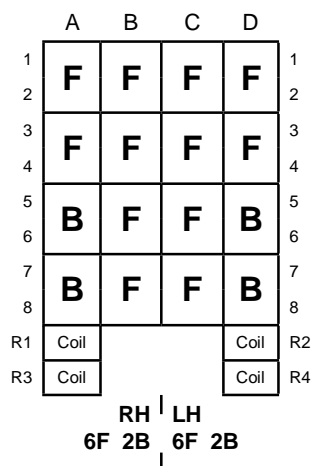
Designed for trainborne service.

In place of the standard securing clip the relay is attached to special anti-vibration brackets. The coil is impregnated to resist the effect of vibration to the windings.

This unit comprises two electrically independent relays mounted side-by-side on a single base. Each of the twin relays is designed to operate up to eight pairs of contacts.

Note: This unit must not be energised from a traction control supply without surge suppression.

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	RATED VOLTAGE (V dc)	PIN CODE	COIL RES (OHMS)	WDG SPEC 1/108/-	MAX FULL OP. (V dc)	MIN REL (V dc)	PLUGBOARD (SEE NOTE)	REQD No. OF CONNECTORS J4137/3
B18560/1	4F 4B LH & RH	40	XCEGH	1000	130	26	5	J4138/317	36
B18560/2	4F 4B LH & RH	50	ACDGS	1490	165	35	15 MAX REL 20	J4138/378	36
B18560/3	6F 2B LH & RH	50	ACDHS	1490	165	35	15 MAX REL 20	J4138/379	36
B18560/4	6F 2B LH & RH	110	ADCJS	7300	166	60	25	J4138/380	36
B18560/5	6F 2B LH & RH	40	ADEFS	1000	130	26	5	J4138/397	36
B18560/6	6F 2B LH & RH	72	BDEHS	4500	215	50	20	J4138/437	36

Note: Plugboards included for reference only as they are incorporated in special train carried mounting bases shown on Data Sheet 8-1.



Un-drilled plugboard
Part No. E7218/1



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

Printed in the United Kingdom

Data Sheet 7-2-58

X342/55/000077 Revision 04

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.