



Siemens.com/mobility

## QNN1 Relay

A dc neutral, tractive armature, line relay

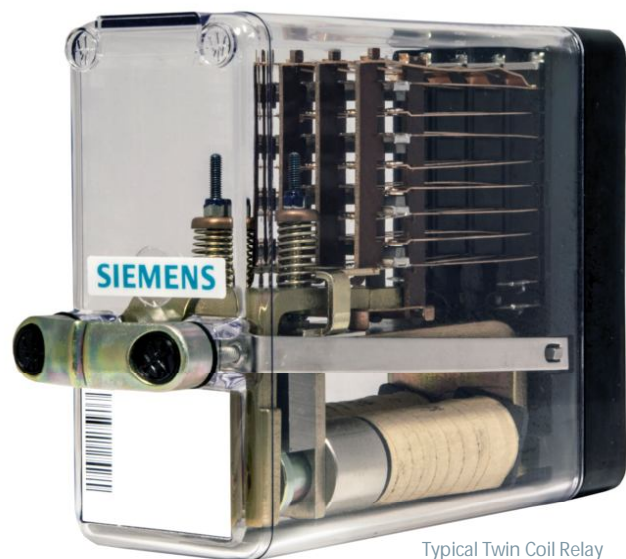
### General data

Contact Arrangement:	Various, refer overleaf.
Nominal Rated Voltage:	12V, 24V and 50V dc
Approximate Weight:	1.36 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

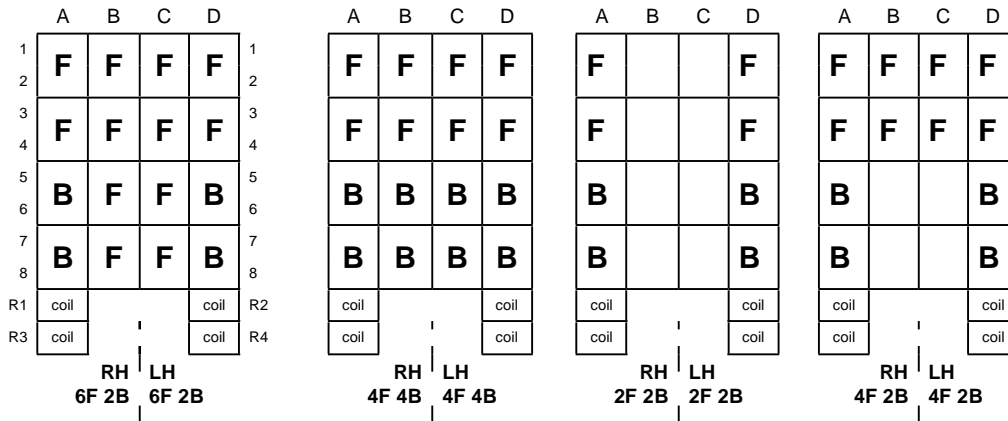
### Description

It comprises two electrically independent relays mounted side-by-side on a single base.

Functionally the unit is equivalent to two QN1 relays, so may be used for the same purposes if the limitation of a maximum eight pairs of contacts per relay is acceptable.

The variations of this relay style are listed overleaf. Where a relay corresponds exactly to a type listed in a BR Spec., the Spec. No. is shown in the remarks column.

## Contact layout viewed from rear

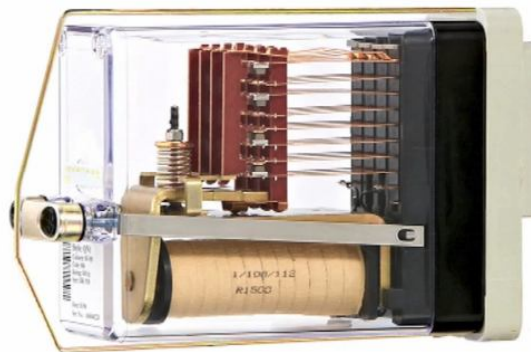


## Technical data

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	REQD No. OF CONNECTORS J4137/3	REMARKS
B18519/1 (085/001590)	6F 2B LH & RH	24	092 ACDEK	470	54	19.2	3.6	J4138/158	36	BRB SPEC. 960
B18519/2 (085/001600)	4F 4B LH & RH	24	057 ACEHJ	470	54	19.2	3.6	J4138/160	36	BRB SPEC. 960
B18519/3 (085/001610)	2F 2B LH & RH	24	057 ACEHJ	470	54	19.2	3.6	J4138/159	20	BRB SPEC. 960
B18519/4 (085/001630)	6F 2B LH & RH	50	212 CDEFK	1750	55	40	7.5	J4138/161	36	BRB SPEC. 960
B18519/5 (085/001640)	4F 4B LH & RH	50	211 CFGHJ	1750	55	40	7.5	J4138/163	36	BRB SPEC. 960
B18519/6 (085/001650)	2F 2B LH & RH	50	211 CFGHJ	1750	55	40	7.5	J4138/162	20	BRB SPEC. 960
B18519/7	6F 2B LH & RH	24	291 ACEKL	470	54	19.2	3.6	J4138/199	36	P.O. RAILWAYS TYPE C
B18519/8 (088/044691)	6F 2B LH & RH	50	059 ACFHJ	1750	55	40	14	J4138/126	36	REPLACEMENT FOR QH1 RELAY
B18519/9 (088/044323)	4F 4B LH & RH	50	058 ACFGJ	1750	55	40	14	J4138/134	36	REPLACEMENT FOR QH1 RELAY
B18519/11	6F 2B LH & RH	12	BDHKX	115	91	9.6	1.8	J4138/270	36	
B18519/12	4F 4B LH & RH	12	BFGKX	115	91	9.6	1.8	J4138/276	36	
B18519/13	2F 2B LH & RH	24	EFHKX	900	152	19.2	3.6	J4138/356	20	LOW POWER COIL
B18519/14	4F 2B LH & RH	24	EFHJX	900	152	19.2	3.6	J4138/404	28	LOW POWER COIL



Un-drilled plugboard  
Part No. E7218/1



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