



Siemens.com/mobility

## QNA1 Relay

An ac immune, dc neutral, tractive armature, line relay

### General data

Contact Arrangement:	Various, refer overleaf.
Operating Transit Time:	80% nominal supply voltage
BR.931A relays Only	200 ms maximum 70ms typical
Approximate Weight:	1.2 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.

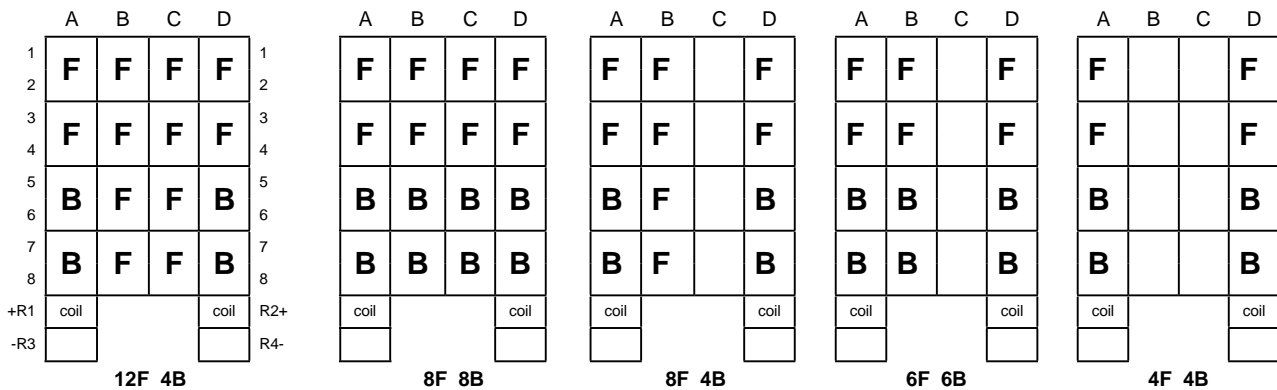


Typical Single Coil Relay

### Description

The unit comprises a neutral relay with a slug and shunt fitted on to the core, to provide ac immunity to 1000 Vac rms 50 Hz, (refer to Data Sheet Part 7-1-1).

## Contact layout viewed from rear

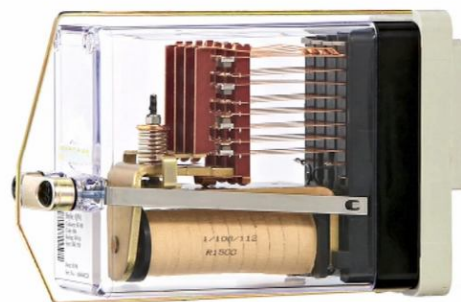


## Technical data

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
B18505/11 (085/000650)	12F 4B	24	021 ABDFH	208	6	19.2	3.6	J4138/11	34	BRB SPEC. 931A
B18505/12 (085/000670)	8F 8B	24	022 ABDGH	208	6	19.2	3.6	J4138/13	34	BRB SPEC. 931A
B18505/13 (085/000660)	8F 4B	24	021 ABDFH	208	6	19.2	3.6	J4138/12	26	BRB SPEC. 931A
B18505/14 (085/000680)	6F 6B	24	022 ABDGH	208	6	19.2	3.6	J4138/14	26	BRB SPEC. 931A
B18505/15 (085/000690)	4F 4B	24	022 ABDGH	208	6	19.2	3.6	J4138/15	18	BRB SPEC. 931A
B18505/16 (085/000710)	12F 4B	50	023 ABEFH	920	5	40	7.5	J4138/16	34	BRB SPEC. 931A
B18505/17 (085000730)	8F 8B	50	024 ABEGH	920	5	40	7.5	J4138/18	34	BRB SPEC. 931A
B18505/18 (085/000720)	8F 4B	50	023 ABEFH	920	5	40	7.5	J4138/17	26	BRB SPEC. 931A
B18505/19 (085/000740)	6F 6B	50	024 ABEGH	920	5	40	7.5	J4138/19	26	BRB SPEC. 931A
B18505/20 (085/000750)	4F 4B	50	024 ABEGH	920	5	40	7.5	J4138/20	18	BRB SPEC. 931A
B18505/21	8F 8B	12	EFGJX	150	151	9.6	2	J4138/353	34	----
B18505/22	12F 4B	12	EFGKX	150	151	9.6	2	J4138/354	34	----
B18505/23	6F 6B	12	EFHJX	150	151	9.6	2	J4138/355	26	----



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](http://www.siemens.com/rail-automation)

Printed in the United Kingdom

X342/55/000068 Revision 05

# 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.