

# SIEMENS

## Relay Solutions

### BR 930 SERIES



[Siemens.com/mobility](https://www.siemens.com/mobility)

## QIN1 Relay

A dc tractive armature relay

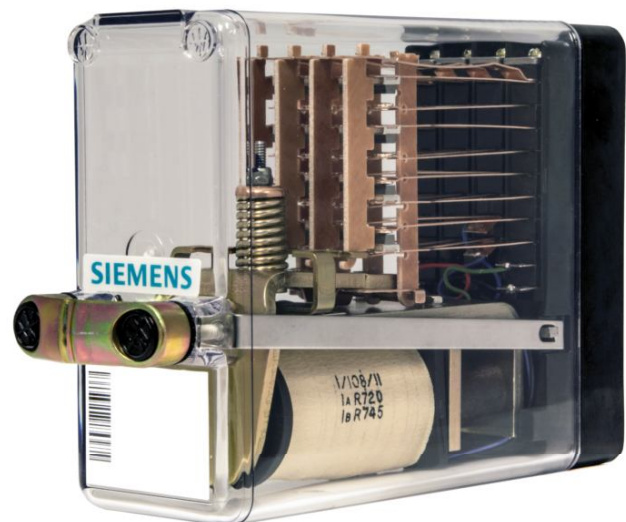
### General data

Contact Arrangement:	8F 4B
Nominal Rated Voltage:	12 V dc
Contact Arrangement:	8F 4B
Approximate Weight:	1.1 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.



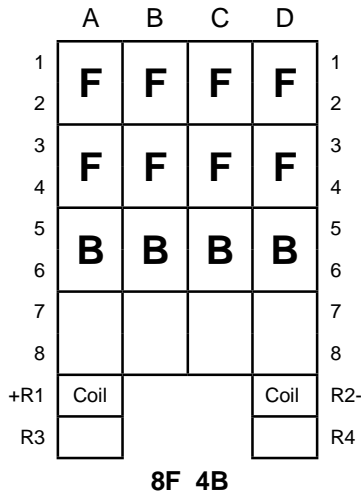
Typical Single Coil Relay

### Description

Designed specifically for use in mining circuits. This relay is intrinsically safe, certified to I.S. 1878 and Class 1 BS 1259-58.

The relay is fitted with silver to silver contacts.

## 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.

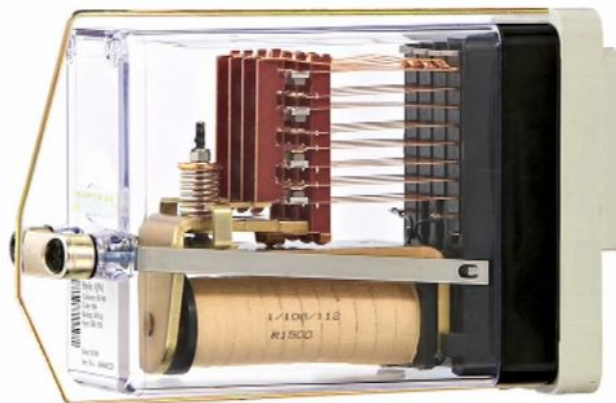
A Technical Certificate for EU Directive on EMC (89/336/EEC) has been obtained.

## Technical data

SIEMENS Part No. (PAD No.)	CONTACT ARRANGEMENT	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
B18501/35	8F 4B	12	XBDEF	200	92	8	1.5	J4138/259	26	SPECIAL FOR MINING



Un-drilled plugboard  
Part No. E7218/1



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