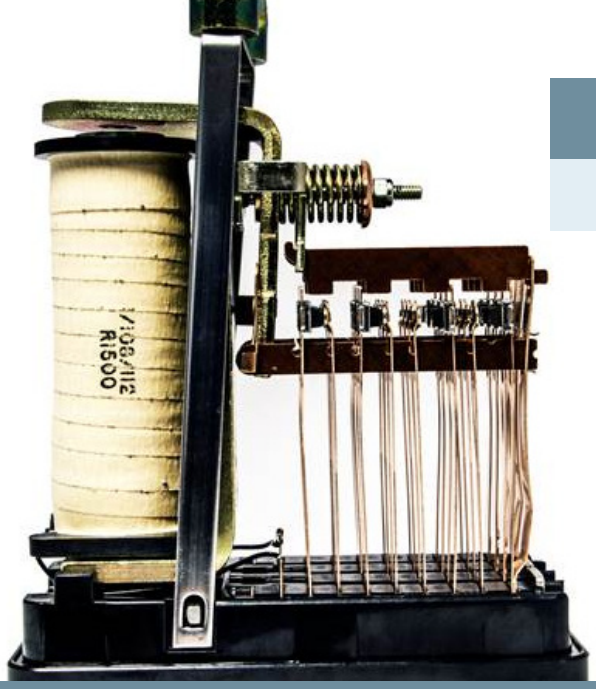
SIEMENS



Relay Solutions

BR 930 SERIES

Siemens.com/mobility

QXR1 Relay

A relay unit comprising a transformer and rectifier

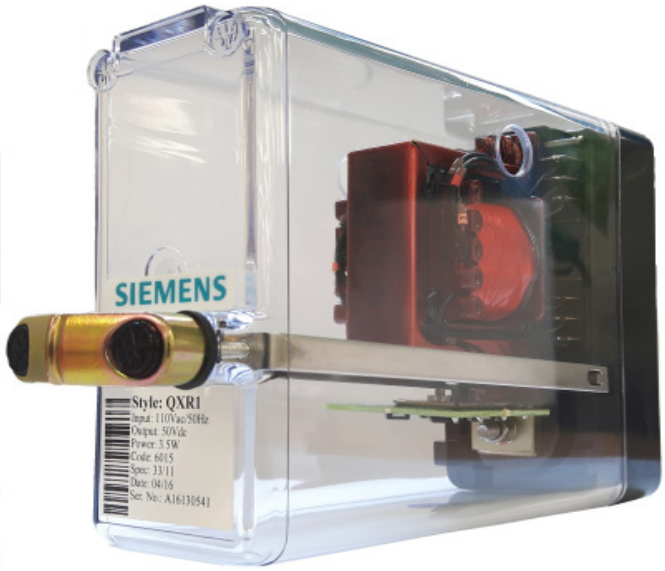
General data

Approximate Weight: 0.9 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.

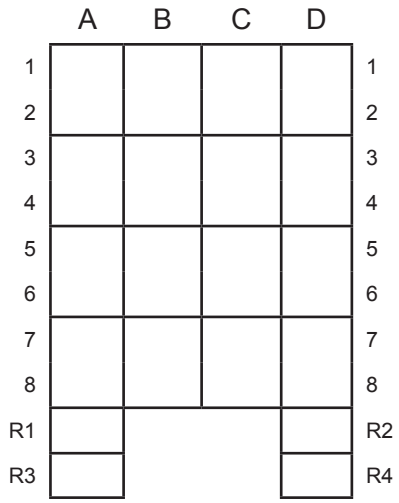


B18533/11 Variant

Description

Various ratings are available. Features include transformer tappings to permit adjustment for supply voltage variation, transformer earth screen and immunity to inter-cable capacitance up to 1 µF. 220 V units are not fitted with a cover.

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.

Contact data

B18533/11, 12, 19 and 24

VOLTS AC	CONNECTIONS
Input	
115	D1, R4
110	D1, R2
104	D2, R4
99	D2, R2
Output Strapping	
50	A8 to A1
55	A8 to A2
60	A8 to A3
Output	
+ve	R1
-ve	R3

B18533/18

VOLTS AC	CONNECTIONS
Input	
1.09 A	D1, D2
900 mA	D1, D3
727 mA	D1, D4
545 mA	D1, D5
454 mA	D1, A1
363 mA	D1, A2
227 mA	D1, A3
163 mA	D1, A4
Output	
12 +ve	R1
12 -ve	R3
Earth Screen	R2

B18533/23

VOLTS AC	CONNECTIONS
Input	
99	D2, R2
104	D2, R4
110	D1, R2
115	D1, R4
120	D3, R2
125	D3, R4
Output Strapping	
50	A8 to A1
55	A8 to A2
60	A8 to A3
Output	
+ve	R1
-ve	R3

B18533/7 and /4

VOLTS AC	CONNECTIONS
Input	
115	D1, R4
110	D1, R2
104	D2, R4
99	D2, R2
Output	
24 +ve	R1
24 -ve	R3
Earth Screen	A1

B18533/20

VOLTS AC	CONNECTIONS
Input	
BX220	R2
NX220	R4
Output	
50	R1 to R3
Earth Screen	D8

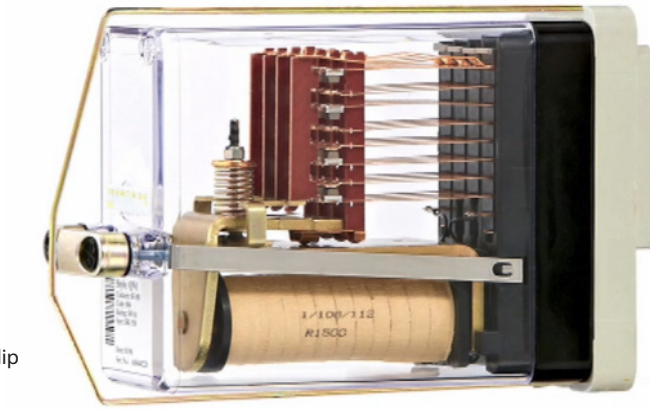
B18533/21

VOLTS AC	CONNECTIONS
Input	
55	R2, R4
Output	
12 +ve	R1
12 -ve	R3

Technical data

SIEMENS Part No. (PAD No.)	CABLE CAPACITANCE IMMUNITY µF	RATED INPUT VOLTS & WATTS	PIN CODE	TAPPINGS	EARTH SCREEN	NOMINAL OUTPUT VOLTS dc	PLUGBOARD	REQD No. OF CONNECTORS J4137/3	RECTIFIER TYPE	REMARKS
B18533/7	1.0	110 V, 50 Hz 3.5 W	XACDE	YES	YES	24	J4138/93	5	SELENIUM	----
B18533/11 (88/047034)	1.0	110 V, 50 Hz 3.5 W	6015 ABCDJK	YES	NO	50	J4138/98	6	SILICON	----
B18533/12 (88/047235)	---	110 V, 50 Hz 15 W	6014 ABCDHK	YES	NO	50	J4138/99	6	SELENIUM	----
B18533/14 (88/030903)	1.0	110 V, 50 Hz 3.5 W	6011 ABCDGJ	YES	YES	24	J4138/101	5	SELENIUM	----
B18533/18	---	110 V, 50 Hz	XADFH	YES	YES	12	J4138/191	5	SELENIUM	Special to SAR Spec CSE 32/15
B18533/19 (88/047224)	1.0	110 V, 75 Hz 3.5 W	1051 MNCHK	YES	NO	50	J4138/200	6	SELENIUM	----
B18533/20	0.5	220 V, 50 Hz 4.0 w	XBCFJ	NO	YES	50	J4138/249	5	SELENIUM	----
B18533/21	---	5.5 V, 50 Hz 5.0 W	XBHJK	NO	NO	12	J4138/283	4	SELENIUM	----
B18533/23	1.0	10/120 V, 50 Hz 3.5 W	ABCDJK	YES	NO	50	J4138/98	6	SELENIUM	Equivalent to M25199
B18533/24	1.0	110 V, 50 Hz 3.5 W	6015 ABCDJK	YES	NO	50	J4138/98	6	SILICON	B18533/11 with modified cover

Un-drilled plugboard
Part No. E7218/1



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

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