



RELAY MODULE

Soldered relay (Omron/ OEN make, See Ordering Info)

Mounting DIN-35 mounting rail

10,000,000 mechanical operations minimum

100,000 electrical operations minimum(*)

IEC 60664 Compliant



GENERAL SPECIFICATIONS

Operating Temperature	0 to 50 degree celcius
Storage Temperature	-10 to 60 degree celcius
Relative Humidity	5 to 95% RH
Relay ON Indication	Red
Relay Protection Method	Freewheeling diode across coil
Driver Protection	Directional Diode to avoid short circuit
Housing colour	Green

CONNECTION SPECIFICATIONS

Type of connection	Screw type (M3)
Cable Crosssection	2.5 sq.mm
2 Conductors with same cross section	1.5 sq.mm maximum

RELAY DETAILS

Make	Omron/ OEN (See Ordering Info)
Relay Approvals (For Omron Make Relay)	UL, CSA, KEMA, VDE, CE
Relay Approvals (For OEN Make Relay)	UL

TESTS CONDUCTED

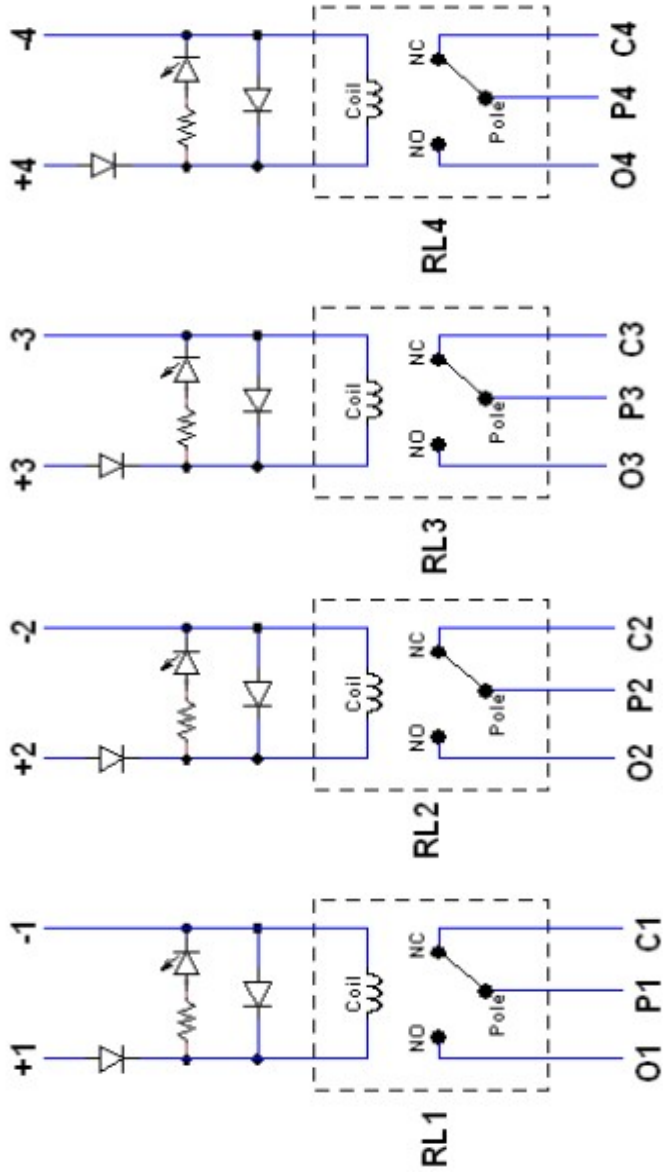
Type Tests – (Conducted on 1% of the batch)

1. Temperature Rise ; 2. Mechanical and Electrical Endurance ; 3. Vibration Test

Routine Tests – (Conducted on 100% of the products)

1. On/Off Test ; 2. mV Drop test 3. DiElectric Test

Schematic Drawing

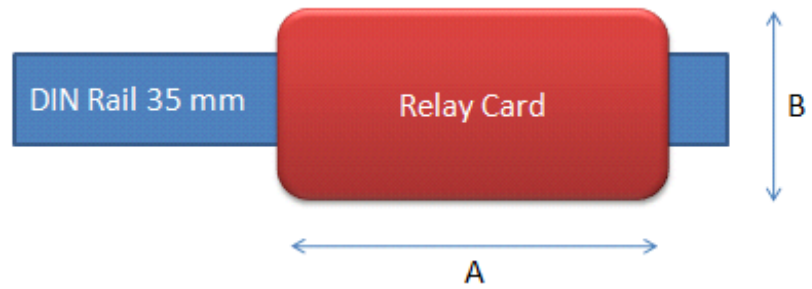


Same drawing is reduced or expanded for 2 channel and 8 channel products

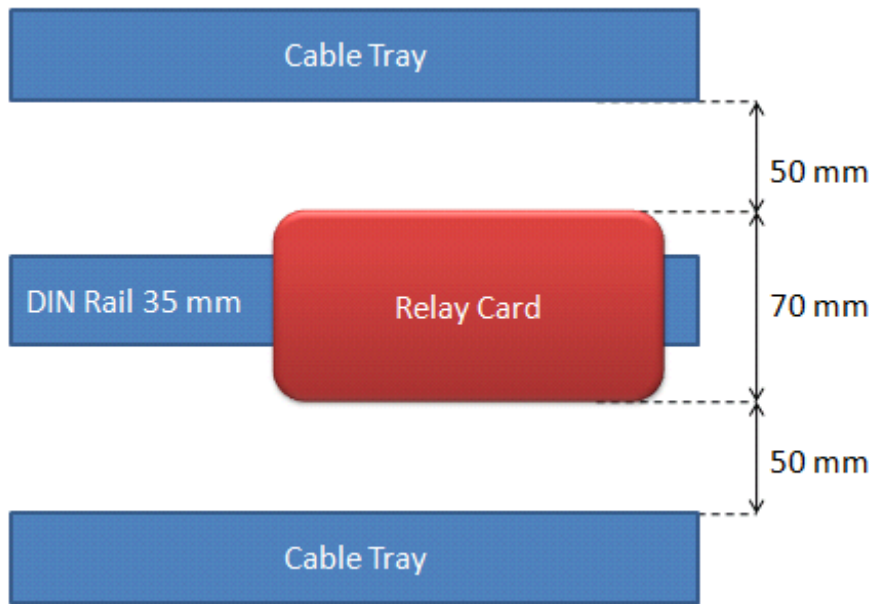
Product Drawing

Model	A	B
2 ch	55	70
4 ch	105	70
8 ch	210	70

All dimensions are in mm

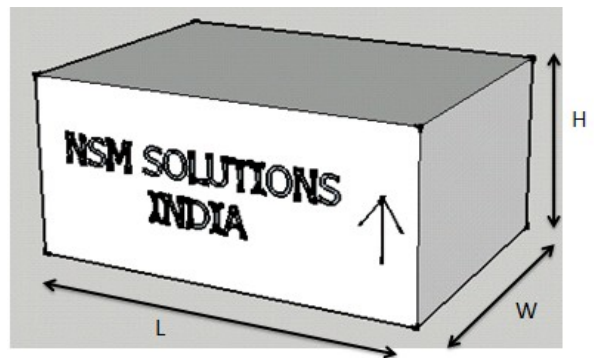


MOUNTING SPECIFICATIONS



PACKING INFORMATION

Model	L	W	H	Weight
	(mm)	(mm)	(mm)	(gm)
2 ch	120	75	100	90
4 ch	170	75	100	125
8 ch	220	75	100	500



Contents of the box

- 1 Box label having unique Serial Number of the product



Serial Number printed on the box label is generated by the test bench after thorough testing.

- 2 Test report having unique Serial Number of the product




Test report is packed along with the Relay Module in the box. Test report contains below specifications:

1. Product Description
2. Unique Serial Number of the product
3. Nature of tests performed
4. Results

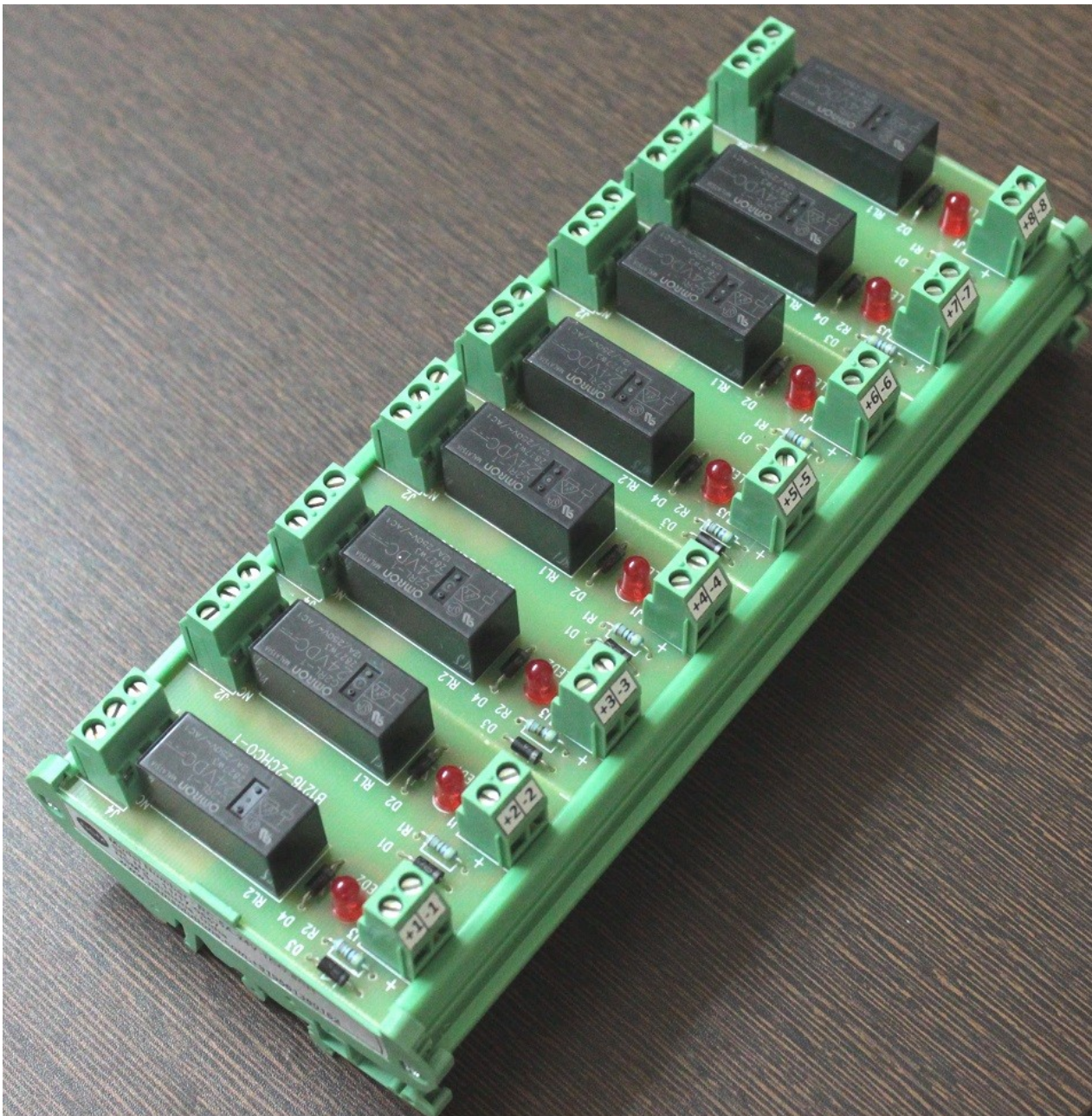
- 3 Relay Module wrapped in a bubble sheet

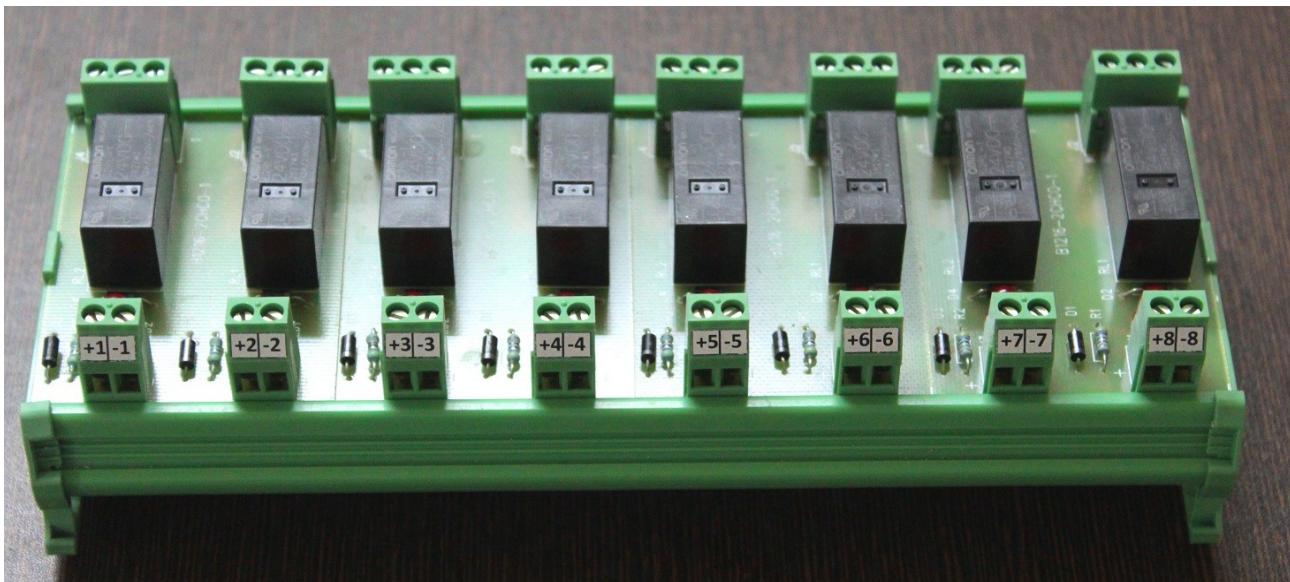
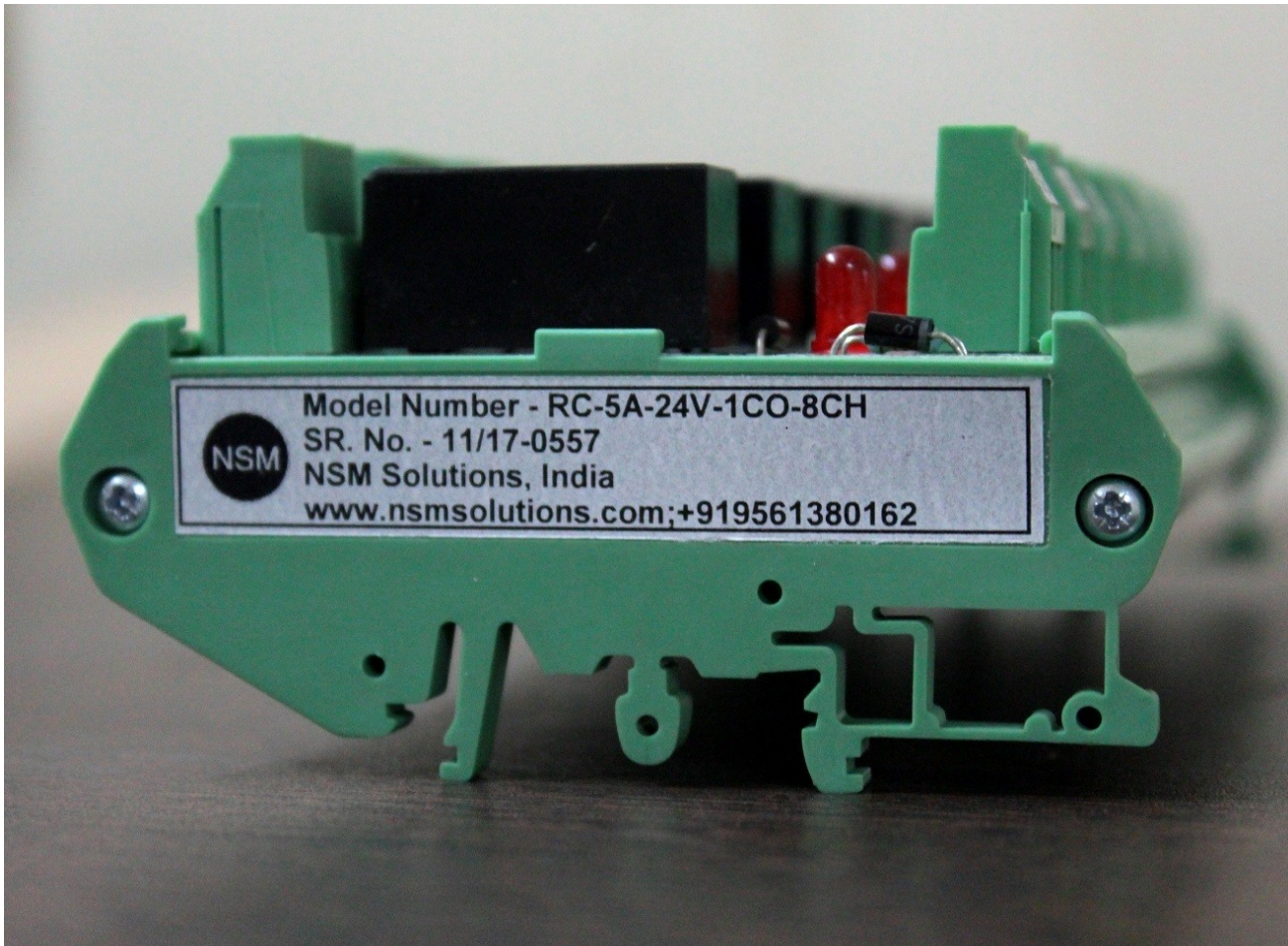


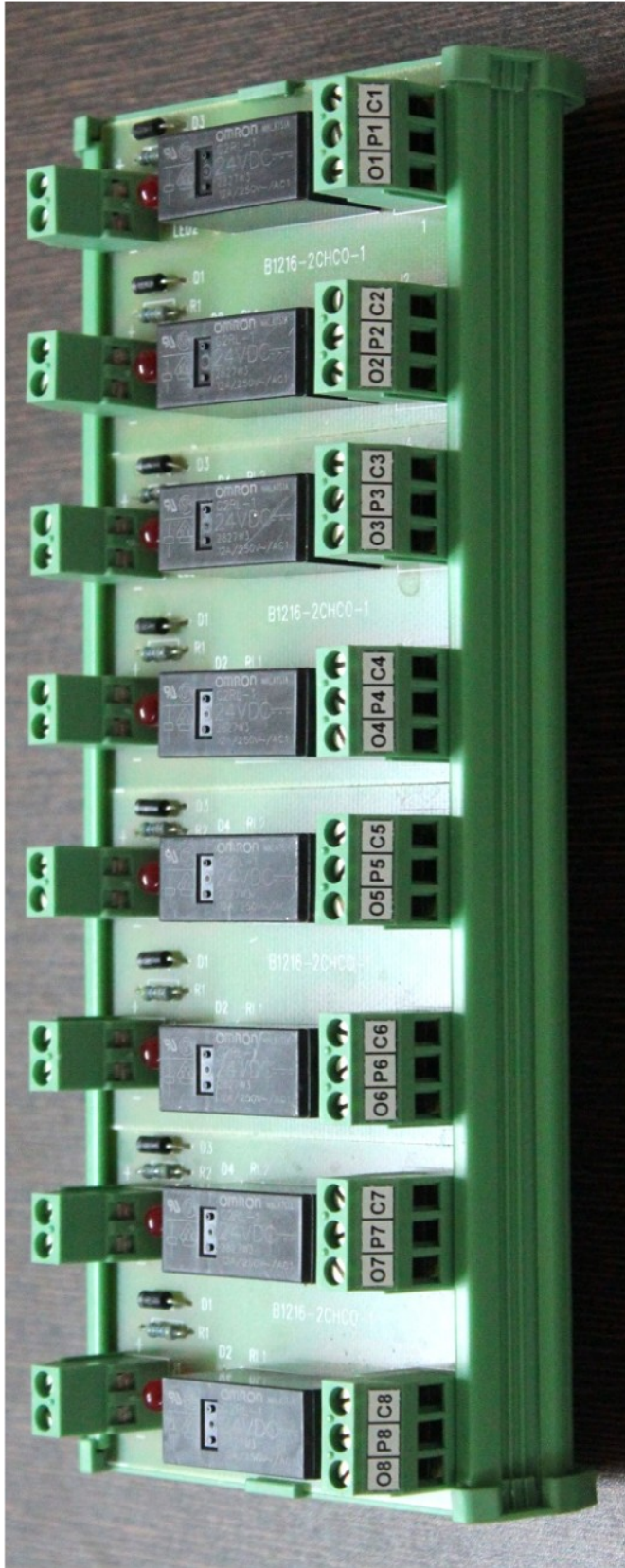
Specimen of the test report

Test Report (Computer Generated)					
	NSM Solutions	Model:	RC-5A-24V-1CO-2CH-B	On/Off Test	PASS
	Innovation is our legacy...	SrNo:	2122/70	mV Drop	PASS
https://www.nsmsolutions.com				DiElectric	PASS
				Final Result	PASS

PHOTOS







Ordering Information

RC – 5A – 24V – 1CO – 2CH – B

Product Name:
Relay Module

Contact Current Rating:
5A – 5 Ampere
10A – 10 Ampere

Coil Voltage:
24V – 24 Volts DC

Change Over:
1CO – 1 Change Over

Number of Channels:
2CH – 2 Relays in a module
4CH – 4 Relays in a module
8CH – 8 Relays in a module

Relay Make:
A – Omron Make
B – OEN Make

Note:

Previous Part Numbers which do not have any suffix at the end (A or B), are by default 'A'.
And now those Part Numbers are replaced having suffix 'A' at the end.

Example:

Previous Part Number of "RC-10A-24V-1CO-2CH" is now changed to "RC-10A-24V-1CO-2CH-A"

Document With Effect From

This Document is with effect from 16 Dec 2021.

The Document may change anytime. Please check latest document on <https://www.nsmsolutions.com>

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