

Product Features

- Industry standard footprint
- Unique test lever colours, Red 220/240V AC, Orange 6-110V AC, Blue for DC Coils.
- Integral Led, Red for AC, Green for DC coils.
- High reliability, RoHS Complaint.
- Option for no Test lever with LED, or no Test lever or LED.
- Din rail sockets available separately.



Product Overview

Contacts		
Contact arrangement		2PDT (C/O)
Contact Material		AgNi
Max. switching voltage		277V AC, 30V DC
Min. breaking capacity		0.3W
Rated Load (resistive)	AC1	10A/240V AC
	DC1	10A/30V DC
Initial resistance		$\geq 100\text{m}\Omega$
Coil		
Available Nominal Voltage		DC 6-110, AC 6-240
Operating range		See table 1 & 2
Rated power consumption		DC 0.9W, AC 1.2VA
Insulation		
Insulation resistance		$\geq 100\text{M}\Omega$ at 500V DC, 50% RH
Dielectric strength	coil to contact	1500Vrms 1min (50Hz), 1mA
	contact to contact	1000Vrms 1min (50Hz), 1mA
	between adjacent contacts	1200Vrms 1min (50Hz), 1mA
General		
Operating time	typ.	$\leq 25\text{ms}$
Release time	typ.	$\leq 25\text{ms}$
Electrical life	ops.	1×10^5
Mechanical life	ops.	1×10^7
Environmental		
Protection		IP40
Ambient temperature	Operating	-25 to $+70^{\circ}\text{C}$
	Storage	-40 to $+70^{\circ}\text{C}$
Shock resistance		10G, 11ms
Weight & Dimensions	L x W x H	$\leq 35\text{g}$ approx. , 27.5 x 21.5 x 36mm
Country of origin		United Kingdom

Order Codes

Part Number	Description
ESC-R2N-240A.2	Relay 2PDT Plug In 24V AC Coil, 10A, Test Lever and LED
ESC-R2N-24A.2	Relay 2PDT Plug In 230V AC Coil, 10A, Test Lever and LED
ESC-R2N-24D.2	Relay 2PDT Plug In 24V DC Coil, 10A, Test Lever and LED

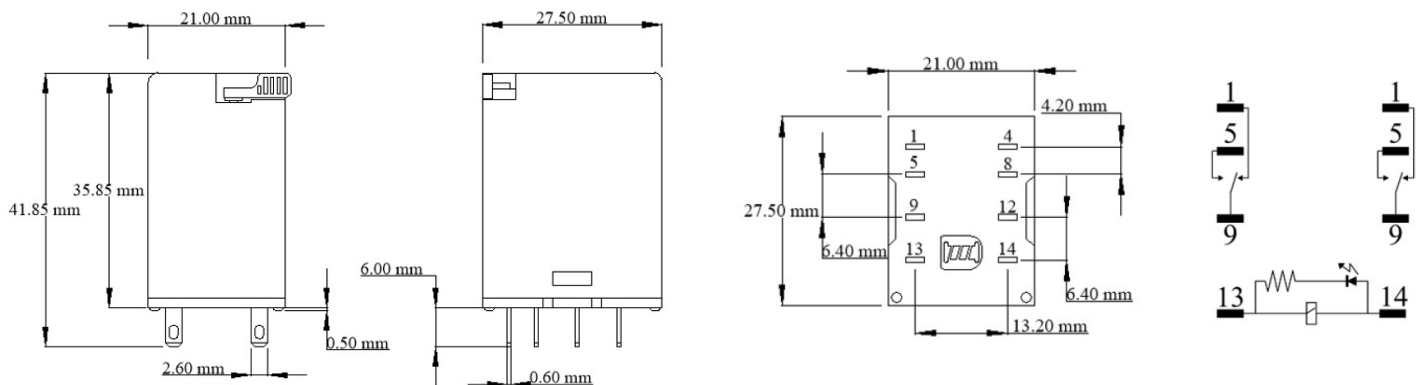
DC Coil Data (Green LED)

Coil code	Nominal Voltage (VDC)	Coil resistance $\Omega \pm 15\%$	Power consumption (mW)	Must Operate voltage max DC	Must release voltage min DC	Max allowable voltage DC
6 D	6	40	900	4.8	0.6	6.6
12 D	12	160	900	9.6	1.2	13.2
24 D	24	600	900	19.2	2.4	26.4
48 D	48	2650	900	38.4	4.8	52.8
110 D	110	13500	900	88.0	11.0	121.0

AC Coil Data (Red LED)

Coil code	Nominal Voltage (VAC)	Coil resistance $\Omega \pm 15\%$	Power consumption (VA)	Must Operate voltage max AC	Must release voltage min AC	Max allowable voltage AC
6 A	6	12	1.2	4.8	1.8	6.6
12 A	12	45	1.2	9.6	3.6	13.2
24 A	24	180	1.2	19.2	7.2	26.4
48 A	48	750	1.2	38.4	14.4	52.8
110 A	110	4300	1.2	88.0	33.0	121
240 A	240	16000	1.2	192.0	72.0	262

Dimensions & Wiring



Datasheet Contents

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