

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		4PDT (C/O)
Contact Material		AgNi
Max. switching voltage		277V AC, 30V DC
Min. breaking capacity		0.3W
Rated Load (resistive)	AC1	5A/240V AC
	DC1	5A/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 (Page 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°C
	Storage	-40 to +70°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-R4N-240A.2	Relay 4PDT Plug In 24V AC Coil, 5A, Test Lever and LED
ESC-R4N-24A.2	Relay 4PDT Plug In 230V AC Coil, 5A, Test Lever and LED
ESC-R4N-24D.2	Relay 5PDT Plug In 24V DC Coil, 5A, Test Lever and LED

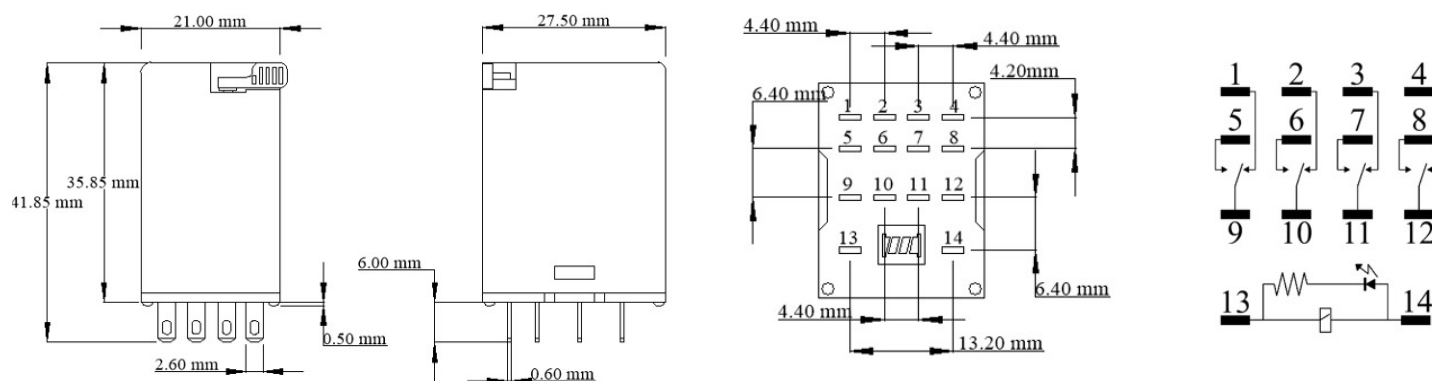
DC Coil Data (Green LED)

Coil code	Nominal Voltage	Coil resistance	Power consumption (mW)	Must Operate voltage max DC	Must Release	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

Dimension & Wiring



Datasheet Contents

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