

CPR (COLOURED RANGE)



Form A, Dry Reed Relays

An inexpensive range of Reed Relays with versatile contact arrangements but employing only two sizes of case. The relays are housed in epoxy filled nylon cases. The relay type and pin connections are moulded on the top of the relay case and all connections are brought out to solder coated pins for printed circuit mounting.

Contact Data

Switching Power max.	5W	Breakdown Voltage min.	350Vdc
Switching Current max.	0.2A	Contact Capacitance max.	2.0pF
Switching Voltage max.	50Vdc	Initial Contact Resistance max.	150 m Ohms
Life Dry Switching 5×10^7 operations. Switching 100mA at 50V — 5×10^6 operations			

Additional Data

Operate Time max.	1.0 m Secs	
Release Time max.	0.5 m Secs	
Insulation Resistance	Coil to Contact min.	10 ¹⁰ Ohms
Insulation Resistance	Contact to Contact min.	10 ¹⁰ Ohms
Dielectric Strength	Coil to Contact min.	2kV
Dielectric Strength	Contact to Contact min.	500V
Climatic	Epoxy filled for operation over the temperature range 0°C to 70°C at the rated voltages	

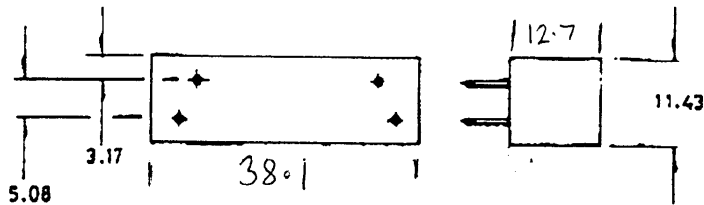
Coil Data

Type	Body Colour	Coil Volts	Coil Power (mW)	Coil Resistance ($\pm 10\%$)	Maximum must operate voltage	Minimum must release voltage
CPR1/A	Red	18 to 30	110 to 300	3.0k Ω	14	3.5
CPR1/B	White	12 to 18	85 to 190	1.7k Ω	10	2.0
CPR1/C	Blue	9 to 12	80 to 145	1.0k Ω	7	1.5
CPR1/D	Green	6 to 9	50 to 115	700 Ω	4.7	1.0
CPR2/A	Red	18 to 30	220 to 600	1.5k Ω	14	3.5
CPR2/B	White	12 to 18	144 to 325	1k Ω	10	2.0
CPR2/C	Blue	9 to 12	230 to 410	350 Ω	7	1.5
CPR2/D	Green	6 to 9	144 to 325	250 Ω	4.7	1.0
CPR3/A	Red	18 to 30	295 to 820	1.1k Ω	14	3.5
CPR3/B	White	12 to 18	240 to 540	800 Ω	10	2.0
CPR3/C	Blue	9 to 12	325 to 575	250 Ω	7	1.5
CPR3/D	Green	6 to 9	240 to 540	150 Ω	4.7	1.0
CPR4/A	Red	18 to 30	360 to 1000	900 Ω	14	3.5
CPR4/B	White	12 to 18	410 to 925	350 Ω	10	2.0
CPR4/C	Blue	9 to 12	325 to 575	250 Ω	7	1.5
CPR4/D	Green	6 to 9	240 to 540	150 Ω	4.7	1.0

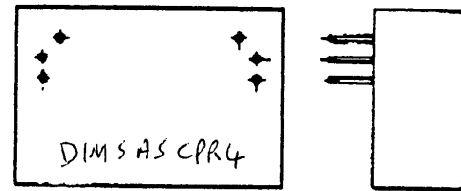
Slide on shields (magnetic screens) are available for all types in the CPR range, add suffix "M" to type number, e.g. CPR1/D/M.

DIMENSIONS AND BASE CONNECTIONS

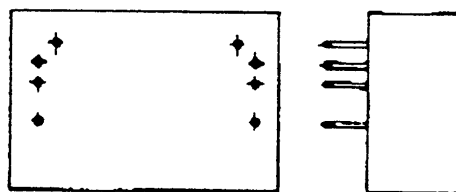
One Contact - CPR1 Range



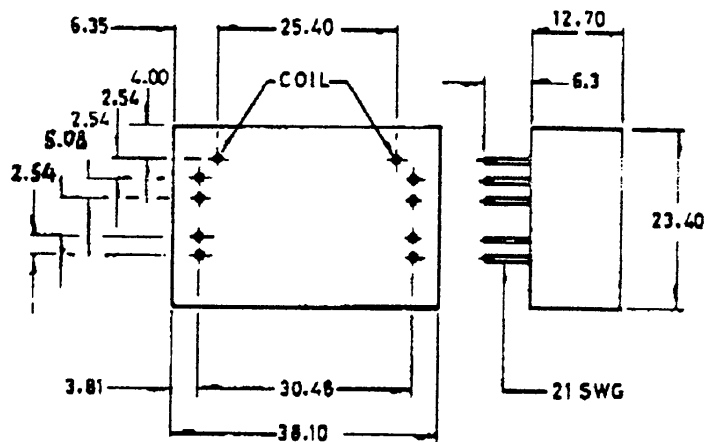
Two Contacts - CPR2 Range



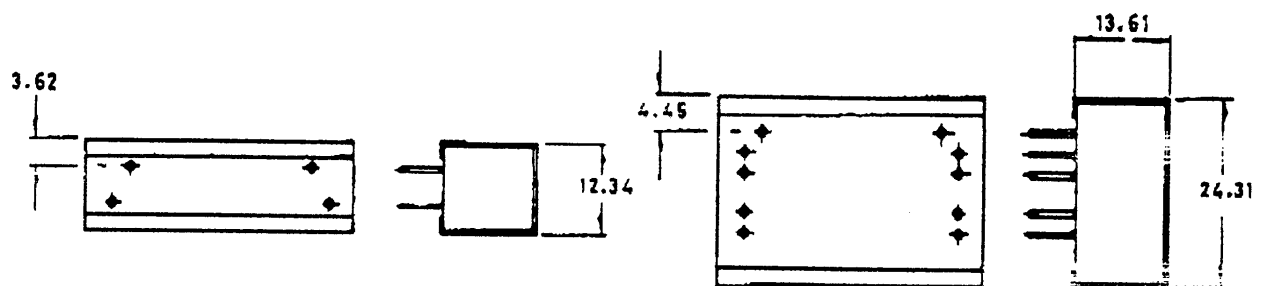
Three Contacts - CPR4 Range



Four Contacts - CPR4 Range



ALL ABOVE DIMENSIONS AS CPR4 RANGE EXCEPT WHERE SHOWN



ABOVE DIMENSIONS OF MAGNETICALLY SCREENED RELAYS SUFFIX M

