

- Ultra High Sensitivity 180~200mW
- 4 pole 2 amp Form C contacts
- UL/CSA recognised
- High Isolation – 1.5kV Coil – Contacts
- Fully sealed for immersion cleaning
- Nitrogen filled for high reliability
- Ultra Small Size
- Conforms to FCC Pt 68-1500 volts
- Non-Latching and Twin Coil Latching Versions (Single Coil Latching also available)



Part Numbers

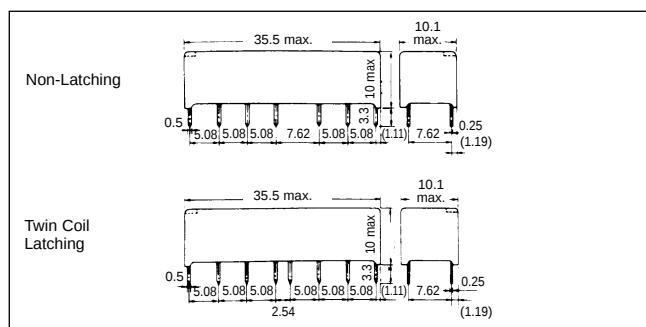
Non-Latching Version	Latching Version	Nominal Coil Voltage	Coil Resistance (Ω)		Must Operate Voltage (Must Set – P Coil)		Must Release Voltage (Must Reset – S Coil)	
			Non-Latching	Latching				
EN4-CW1.5	EN4T-CW1.5	1.5	11	12.5	1.0	(1.0)	0.15	(1.0)
EN4-CW5	EN4T-CW5	5	125	139	3.5	(3.5)	0.50	(3.5)
EN4-CW12	EN4T-CW12	12	720	800	8.4	(8.4)	1.20	(8.4)
EN4-CW24	EN4T-CW24	24	2880	3200	16.8	(16.8)	2.40	(16.8)
EN4-CW48	EN4T-CW48	48	11520	12800	33.6	(33.6)	4.80	(33.6)

Maximum coil voltage 135% at 80°C. Above characteristics at 20°C – Resistance ±10%

Specifications

Contact form		4C (4PDT)	
Contact rating	Maximum switching power	125 VA	60 W
	Maximum switching voltage	250 VAC	220 VDC
	Maximum switching current	2A	
	Maximum carrying current	2A	
	Minimum load (reference value)	10m VDC 0.01mA	
Initial contact resistance		100 mΩ maximum <40 mΩ Typically	
Contact material (fixed/moving)		Silver Palladium + Au overlay/Silver Palladium	
Nominal operating power		200 mW (180 mW latching version)	
Operate time (excluding bounce)		6 mS maximum	
Release time (excluding bounce)		4 mS maximum (6 mS for latching version)	
Insulation resistance		1000 MΩ at 500 VDC	
Breakdown voltage	Between open contacts	1000 VAC (for 1 minute)	
	Between adjacent contacts	1500 VAC (for 1 minute)	
	Between coil and contacts	1500 V (1.2 x 50μs impulse)	
Shock resistance		30 G (misoperating)	
Vibration resistance		10-55Hz 3.3mm pk-pk (misoperating)	
Ambient temperature		-40°C to +80°C (+70°C for latching version)	
Coil temperature rise		30°C maximum at nominal coil voltage	
Life expectancy	Mechanical	20 x 10 ⁶ operations	
	Electrical	2 x 10 ⁶ operations at 0.5A 120 VAC, 5 x 10 ⁶ operations at 1A 24 VDC	
Weight		Approx. 6.7 grams	

Dimensions mm



PCB layout and schematics

