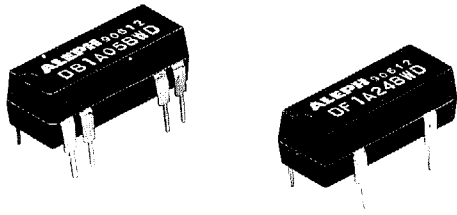


DIP Reed Relays



- Industry standard package
- Transfer molded for environmental protection
- Miniature size
- Compatible with DIP handling, sorting and PCB insertion equipment
- Optional shielding and diodes
- UL models available

COIL RATINGS (TAMB. = +20°C)

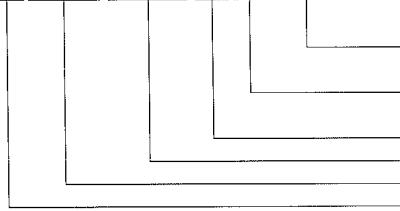
Part Number	Nominal Voltage (VDC)	Coil Resistance (Ω) $\pm 10\%$	Operate Voltage (VDC) max.	Release Voltage (VDC) min.	Schematics
DB 1 A <input type="checkbox"/> BW(D) DA 1 A <input type="checkbox"/> BW(D)	5 12 24	500 850 2200	3.8 9.0 18.0	0.5 1.0 2.0	 DA 1 A <input type="checkbox"/> BW(D) DB 1 A <input type="checkbox"/> BW(D)
DB 2 A <input type="checkbox"/> BW(D) DA 2 A <input type="checkbox"/> BW(D)	5 12 24	200 500 1750	3.8 9.0 18.0	0.5 1.0 2.0	 DA 2 A <input type="checkbox"/> BW(D) DB 2 A <input type="checkbox"/> BW(D)
DB 1 B <input type="checkbox"/> BW(D) DA 1 B <input type="checkbox"/> BW(D)	5 12 24	500 500 1750	3.8 9.0 18.0	0.5 1.0 2.0	 DA 1 B <input type="checkbox"/> BW(D) DB 1 B <input type="checkbox"/> BW(D)
DB 1 C <input type="checkbox"/> CW(D) DA 1 C <input type="checkbox"/> CW(D)	5 12 24	200 500 1750	3.8 9.0 18.0	0.5 1.0 2.0	 DA 1 C <input type="checkbox"/> CW(D) DB 1 C <input type="checkbox"/> CW(D)
DA 1 A <input type="checkbox"/> NW(D) <i>(Mercury)</i>	5 12 24	90 360 1440	3.8 9.0 18.0	0.5 1.0 2.0	 ← UP DA 1 A <input type="checkbox"/> NW(D) DA 1 A <input type="checkbox"/> DW(D)
DA 1 A <input type="checkbox"/> DW(D) <i>(Mercury)</i>	5 12 24	160 500 1440	3.8 9.0 18.0	0.5 1.0 2.0	
DF 1 A <input type="checkbox"/> BW(D)	5 12 24	500 850 2200	3.8 9.0 18.0	0.5 1.0 2.0	 DF 1 A <input type="checkbox"/> BW(D)
DF 1 B <input type="checkbox"/> BW(D)	5 12 24	500 500 1750	3.8 9.0 18.0	0.5 1.0 2.0	 DF 1 B <input type="checkbox"/> BW(D)

Note—(M.S.): Magnetic Shield (E.S.S.): Electrostatic Shield

DA • DB • DF Series

● How to Order

D B 1 A 0 5 B W (D)



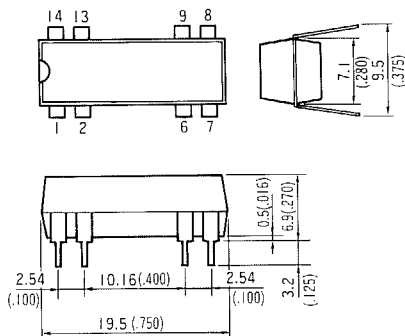
- D: Diode (optional)
- W: Standard X: Magnetic shield (optional on DA 1A, DB 1A, DA 1C, DB 1C, DF 1A)
- Y: Electrostatic shield (optional on DB 1A, DB 1C, DA 1A, DA 1C)
- Z: Magnetic & Electrostatic shield (optional on DB 1A, DB 1C, DA 1A, DA 1C)
- Power—B: 10W C: 3W (1C) D: 50W (Mercury) N: 50W (Mercury high speed)
- Nominal coil voltage—5V, 12V, 24V
- Contact form—1A, 2A, 1B, 1C
- A: 8-pin DIP with pin #13 not connected B: 8-pin DIP F: 4-pin DIP

■ CONTACT RATINGS (resistive loads)

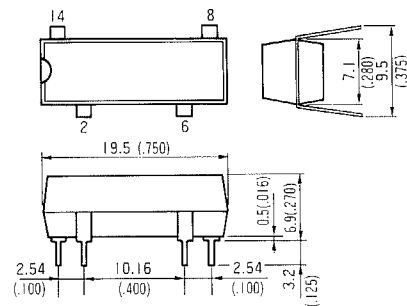
Parameters	DA	DB	DA	DB	DA 1 A ** NW	** DW	DF 1 A ** BW	1 B ** BW
	1 A ** BW	2 A ** BW	1 B ** BW	1 C ** BW	Mercury			
Power (W) max.	10			3	50		10	
Voltage (VDC) max.	200			100	500		200	
Switching Current (A) max.	0.5			0.25	2.0		0.5	
Carry Current (A) max.	1.0			0.5	2.0		1.0	
Contact Resistance (Ω) max. (initial)	0.15			0.15	0.1		0.15 (1A), 0.2 (1B)	
Breakdown Voltage (VDC) min.	Open Contact	250		200	1000		250	
	Contact to Coil	1500		1500	1500		1500	
Insulation Resistance (Ω) min.	Open Contact	10 ¹⁰		10 ⁸	10 ¹⁰		10 ¹⁰	
	Contact to Coil	10 ¹⁰		10 ¹⁰	10 ¹⁰		10 ¹⁰	
Operate Time (mS) max. (incl. bounce)	1.0			2.0	1.0(NW), 2.0(DW)		1.0	
Release Time (mS) max.	0.5			2.5	1.0(NW), 2.0(DW)		0.5	
Electrical Life	Low Level	10 ⁸ (10mVDC, 10μA)		5 × 10 ⁸ (10VDC, 4mA)	10 ⁸ (10VDC, 4mA)		10 ⁸ (10mVDC, 10μA)	
	Rated Load	6 × 10 ⁵ (20VDC, 0.5A)		2 × 10 ⁶ (12VDC, 0.25A)	10 ⁶ (50VDC, 1.0A)		6 × 10 ⁵ (20VDC, 0.5A)	

■ DIMENSIONS Unit : mm (inch)

DA • DB Series



DF Series



* Lead 0.5 × 0.25 (.020 × .010)