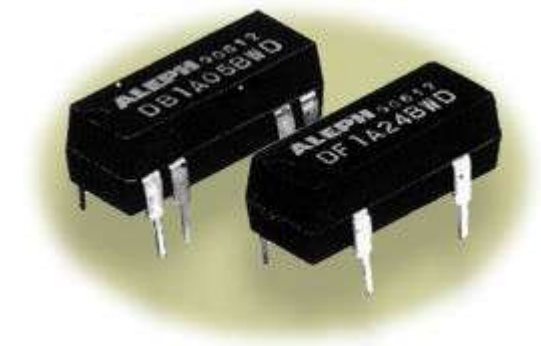


4 PIN DIP/DF Series

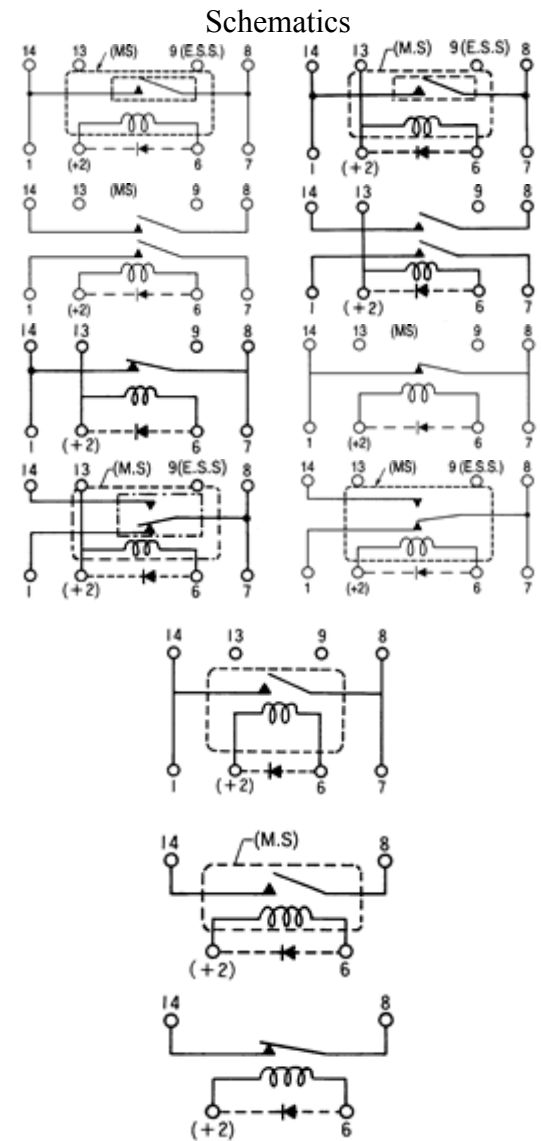
- Industry standard package
- Transfer molded for environmental protection
- Miniature size
- Compatible with DIP handling, sorting and PCB insertion equipment
- Optional shielding and diodes
- UL models available



Coil Ratings

Part Number	Nominal Voltage (VDC)	Coil Resistance (ohms) ±10%	Operate Voltage (VDC) max.	Release Voltage (VDC) min.
DB1A**BW(D)	5	500	3.8	0.5
DA1A**BW(D)	12	850	9.0	1.0
	24	2200	18.0	2.0
DB2A**BW(D)	5	200	3.8	0.5
DA2A**BW(D)	12	500	9.0	1.0
	24	1750	18.0	2.0
DB1B**BW(D)	5	500	3.8	0.5
DA1B**BW(D)	12	500	9.0	1.0
	24	1750	18.0	2.0
DB1C**CW(D)	5	200	3.8	0.5
DA1C**CW(D)	12	500	9.0	1.0
	24	1750	18.0	2.0
DA1A**NW(D)	5	90	3.8	0.5
Mercury	12	360	9.0	1.0
	24	1440	18.0	2.0
DA1A**DW(D)	5	160	3.8	0.5
Mercury	12	500	9.0	1.0
	24	1440	18.0	2.0
DF1A**BW(D)	5	500	3.8	0.5
	12	850	9.0	1.0
	24	2200	18.0	2.0
DF1B**BW(D)	5	500	3.8	0.5
	12	500	9.0	1.0
	24	1750	18.0	2.0

TAMB. = +20°C
(M.S.) : Magnetic Shield
(E.S.S.) : Electrostatic Shield

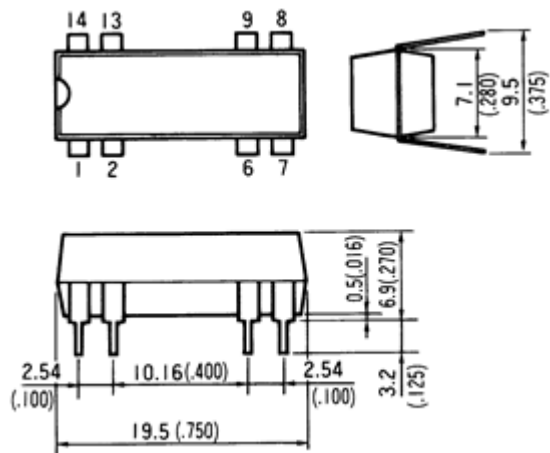


Contact Ratings

Parameters		DA1A**BW DA2A**BW DA1B**BW	DB1A**BW DB2A**BW DB1B**BW	DA1C**BW DB1C**BW	DA1A**NW DA1A**DW Mercury	DF1A**BW DF1B**BW
		10 200 0.5 1.0		3 100 0.25 0.5	50 500 2.0 2.0	10 200 0.5 1.0
Contact Resistance (ohms) 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 (ohms) 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 X 10 ⁸ (10VDC, 4mA)	10 ⁹ (10VDC, 4mA)	10 ⁸ (10mVDC, 10μA)
(resistive loads)	Rated Load	6 X 10 ⁵ (20VDC, 0.5A)		2 X 10 ⁶ (12VDC, 0.25A)	10 ⁶ (50VDC, 1.0A)	6 X 10 ⁵ (20VDC, 0.5A)

Dimensions

DA - DB Series



DF Series

