COIL DATA CHART

	MODEL	Nominal voltage	Coil resistance (±10%)	Must operate voltage*1	Must release voltage*1	Nominal power
	RA-1.5 W-K	1.5 VDC	15Ω	+1.0 VDC	+0.15 VDC	150 mW
	RA- 3 W-K	3 VDC	60Ω	+2.0 VDC	+0.3 VDC	150 mW
	RA-4.5 W-K	4.5 VDC	135Ω	+3.1 VDC	+0.45 VDC	150 mW
be	RA- 5 W-K	5 VDC	167Ω	+3.4 VDC	+0.5 VDC	150 mW
Type	RA- 6 W-K	6 VDC	240Ω	+4.0 VDC	+0.6 VDC	150 mW
Standard	RA- 9 W-K	9 VDC	540Ω	+6.1 VDC	+0.9 VDC	150 mW
anc	RA- 12 W-K	12 VDC	960Ω	+8.1 VDC	+1.2 VDC	150 mW
S.	RA JV K	18 VDC	2,160Ω	+12.3 VDC	+1.8 VDC	150 mW
	F 24 V K	24 VDC	2,880Ω	+16.1 VDC	+2.4 VDC	200 mW
	<a- ,-k<="" 4="" td="" ′=""><td>48 VDC</td><td>11,520Ω</td><td>+32.2 VDC</td><td>+4.8 VDC</td><td>200 mW</td></a->	48 VDC	11,520Ω	+32.2 VDC	+4.8 VDC	200 mW

Note: *1 Specific alu al subject to pulse wave voltage. All values in the able a measured at 20°C.

MODEL , 'nal voltage'1 Coll resistance voltage'1 Set voltage'1 Reset voltage'1 Mominal voltage'1 RAL-15.W-K 1.5 V 300 +1.0 VDC -1.0 VDC 75 mW RAL-3.W-K JDC 1200 +2.1 VDC -2.1 VDC 75 mW RAL-5.W-K 4. VDC 2700 +3.1 VDC -3.1 VDC 75 mW RAL-6.W-K 6.VDC 4. 0 +4.1 VDC -4.1 VDC 75 mW RAL-6.W-K 6.VDC 4. 0 +4.1 VDC -4.1 VDC 75 mW RAL-12.W-K 12.VDC							
No. Number Network Number Network <th></th> <th>MODEL</th> <th></th> <th></th> <th>Set voltage*1</th> <th>Reset voltage*¹</th> <th></th>		MODEL			Set voltage*1	Reset voltage* ¹	
RAL -48 W-K 48 VDC 11,520C 21.0 DC 21.0 VDC 200 mW RAL-D1.5 W-K 1.5 VDC P 150 + VDC 150 mW RAL-D 3 W-K 3 VDC P 600 200 pC 150 mW RAL-D 3 W-K 3 VDC P 600 200 pC 150 mW RAL-D 3 W-K 4.5 VDC P 1350 +3.1 VD 150 mW RAL-D 5 W-K 4.5 VDC P 1670 +3.4 VDC 150 mW RAL-D 6 W-K 6 VDC P 2400 +4.0 VDC 150 mW RAL-D 9 W-K 9 VDC P 5400 +6.1 VDC 150 mW RAL-D 12 W-K 12 VDC P 9600 +8.1 VDC 150 mW S 2400 +12.3 VDC 150 mW S 2.1600 +12.3 VDC RAL-D 18 W-K 18 VDC P 2.8800 +16.1 VDC 150 mW S 2.8800 +16.1 VDC 200 mW S 2.8800 +16.1 VDC 200 mW	e	RAL-1.5 W-K	1.5 /	30Ω	+1.0 VDC	-1.0 VDC	75 mW
RAL -48 W-K 48 VDC 11,520C 21.0 DC 21.0 VDC 200 mW RAL-D1.5 W-K 1.5 VDC P 150 + VDC 150 mW RAL-D 3 W-K 3 VDC P 600 200 pC 150 mW RAL-D 3 W-K 3 VDC P 600 200 pC 150 mW RAL-D 3 W-K 4.5 VDC P 1350 +3.1 VD 150 mW RAL-D 5 W-K 4.5 VDC P 1670 +3.4 VDC 150 mW RAL-D 6 W-K 6 VDC P 2400 +4.0 VDC 150 mW RAL-D 9 W-K 9 VDC P 5400 +6.1 VDC 150 mW RAL-D 12 W-K 12 VDC P 9600 +8.1 VDC 150 mW S 2400 +12.3 VDC 150 mW S 2.1600 +12.3 VDC RAL-D 18 W-K 18 VDC P 2.8800 +16.1 VDC 150 mW S 2.8800 +16.1 VDC 200 mW S 2.8800 +16.1 VDC 200 mW	ding Latching Typ	RAL- 3 W-K	/DC	120Ω	+2.1 VDC	-2.1 VDC	75 mW
RAL -48 W-K 48 VDC 11,520C 21.0 DC 21.0 VDC 200 mW RAL-D1.5 W-K 1.5 VDC P 150 + VDC 150 mW RAL-D 3 W-K 3 VDC P 600 200 pC 150 mW RAL-D 3 W-K 3 VDC P 600 200 pC 150 mW RAL-D 3 W-K 4.5 VDC P 1350 +3.1 VD 150 mW RAL-D 5 W-K 4.5 VDC P 1670 +3.4 VDC 150 mW RAL-D 6 W-K 6 VDC P 2400 +4.0 VDC 150 mW RAL-D 9 W-K 9 VDC P 5400 +6.1 VDC 150 mW RAL-D 12 W-K 12 VDC P 9600 +8.1 VDC 150 mW S 2400 +12.3 VDC 150 mW S 2.1600 +12.3 VDC RAL-D 18 W-K 18 VDC P 2.8800 +16.1 VDC 150 mW S 2.8800 +16.1 VDC 200 mW S 2.8800 +16.1 VDC 200 mW		RAL-4.5 W-K	4 VDC	270Ω	+3.1 VDC	-3.1 VDC	75 mW
RAL -48 W-K 48 VDC 11,520C 21.0 DC 21.0 VDC 200 mW RAL-D1.5 W-K 1.5 VDC P 150 + VDC 150 mW RAL-D 3 W-K 3 VDC P 600 200 pC 150 mW RAL-D 3 W-K 3 VDC P 600 200 pC 150 mW RAL-D 3 W-K 4.5 VDC P 1350 +3.1 VD 150 mW RAL-D 5 W-K 4.5 VDC P 1670 +3.4 VDC 150 mW RAL-D 6 W-K 6 VDC P 2400 +4.0 VDC 150 mW RAL-D 9 W-K 9 VDC P 5400 +6.1 VDC 150 mW RAL-D 12 W-K 12 VDC P 9600 +8.1 VDC 150 mW S 2400 +12.3 VDC 150 mW S 2.1600 +12.3 VDC RAL-D 18 W-K 18 VDC P 2.8800 +16.1 VDC 150 mW S 2.8800 +16.1 VDC 200 mW S 2.8800 +16.1 VDC 200 mW		RAL- 5 W-K	5	335Ω	+3.4 VDC	-3.4 VDC	75 mW
RAL -48 W-K 48 VDC 11,520C 21.0 DC 21.0 VDC 200 mW RAL-D1.5 W-K 1.5 VDC P 150 + VDC 150 mW RAL-D 3 W-K 3 VDC P 600 200 pC 150 mW RAL-D 3 W-K 3 VDC P 600 200 pC 150 mW RAL-D 3 W-K 4.5 VDC P 1350 +3.1 VD 150 mW RAL-D 5 W-K 4.5 VDC P 1670 +3.4 VDC 150 mW RAL-D 6 W-K 6 VDC P 2400 +4.0 VDC 150 mW RAL-D 9 W-K 9 VDC P 5400 +6.1 VDC 150 mW RAL-D 12 W-K 12 VDC P 9600 +8.1 VDC 150 mW S 2400 +12.3 VDC 150 mW S 2.1600 +12.3 VDC RAL-D 18 W-K 18 VDC P 2.8800 +16.1 VDC 150 mW S 2.8800 +16.1 VDC 200 mW S 2.8800 +16.1 VDC 200 mW		RAL- 6 W-K	6 VDC	4L	+4.1 VDC	-4.1 VDC	75 mW
RAL -48 W-K 48 VDC 11,520C 21.0 DC 21.0 VDC 200 mW RAL-D1.5 W-K 1.5 VDC P 150 + VDC 150 mW RAL-D 3 W-K 3 VDC P 600 200 pC 150 mW RAL-D 3 W-K 3 VDC P 600 200 pC 150 mW RAL-D 3 W-K 4.5 VDC P 1350 +3.1 VD 150 mW RAL-D 5 W-K 4.5 VDC P 1670 +3.4 VDC 150 mW RAL-D 6 W-K 6 VDC P 2400 +4.0 VDC 150 mW RAL-D 9 W-K 9 VDC P 5400 +6.1 VDC 150 mW RAL-D 12 W-K 12 VDC P 9600 +8.1 VDC 150 mW S 2400 +12.3 VDC 150 mW S 2.1600 +12.3 VDC RAL-D 18 W-K 18 VDC P 2.8800 +16.1 VDC 150 mW S 2.8800 +16.1 VDC 200 mW S 2.8800 +16.1 VDC 200 mW		RAL- 9 W-K	9 VDC	1	+6.3 VDC	-6.3 VDC	75 mW
RAL -48 W-K 48 VDC 11,520C 21.0 DC 21.0 VDC 200 mW RAL-D1.5 W-K 1.5 VDC P 150 + VDC 150 mW RAL-D 3 W-K 3 VDC P 600 200 pC 150 mW RAL-D 3 W-K 3 VDC P 600 200 pC 150 mW RAL-D 3 W-K 4.5 VDC P 1350 +3.1 VD 150 mW RAL-D 5 W-K 4.5 VDC P 1670 +3.4 VDC 150 mW RAL-D 6 W-K 6 VDC P 2400 +4.0 VDC 150 mW RAL-D 9 W-K 9 VDC P 5400 +6.1 VDC 150 mW RAL-D 12 W-K 12 VDC P 9600 +8.1 VDC 150 mW S 2400 +12.3 VDC 150 mW S 2.1600 +12.3 VDC RAL-D 18 W-K 18 VDC P 2.8800 +16.1 VDC 150 mW S 2.8800 +16.1 VDC 200 mW S 2.8800 +16.1 VDC 200 mW	Win	RAL- 12 W-K	12 VDC	, 3 20Ω	+8.3 VDC	-8.3 VDC	75 mW
RAL -48 W-K 48 VDC 11,520C 21.0 DC 21.0 VDC 200 mW RAL-D1.5 W-K 1.5 VDC P 150 + VDC 150 mW RAL-D 3 W-K 3 VDC P 600 200 pC 150 mW RAL-D 3 W-K 3 VDC P 600 200 pC 150 mW RAL-D 3 W-K 4.5 VDC P 1350 +3.1 VD 150 mW RAL-D 5 W-K 4.5 VDC P 1670 +3.4 VDC 150 mW RAL-D 6 W-K 6 VDC P 2400 +4.0 VDC 150 mW RAL-D 9 W-K 9 VDC P 5400 +6.1 VDC 150 mW RAL-D 12 W-K 12 VDC P 9600 +8.1 VDC 150 mW S 2400 +12.3 VDC 150 mW S 2.1600 +12.3 VDC RAL-D 18 W-K 18 VDC P 2.8800 +16.1 VDC 150 mW S 2.8800 +16.1 VDC 200 mW S 2.8800 +16.1 VDC 200 mW	gle	RAL- 18 W-K	18 VDC	4,320	+12.5 VDC	-12.5 VDC	75 mW
RAL-D1.5 W-K 1.5 VDC P 15Ω + VDC 150 mW RAL-D 3 W-K 3 VDC P 60Ω 2 C, DC 150 mW RAL-D 3 W-K 3 VDC P 60Ω 2 C, DC 150 mW RAL-D 3 W-K 3 VDC P 60Ω 2 C, DC 150 mW RAL-D4.5 W-K 4.5 VDC P 135Ω +3.1 VD 150 mW RAL-D 5 W-K 5 VDC P 167Ω +3.4 VDC 150 mW RAL-D 6 W-K 6 VDC P 240Ω +4.0 VDC 150 mW RAL-D 9 W-K 9 VDC P 540Ω +6.1 VDC 150 mW RAL-D 9 W-K 9 VDC P 540Ω +6.1 VDC 150 mW S 540Ω +8.1 VDC 150 mW S 960Ω +8.1 VDC 150 mW RAL-D 18 W-K 18 VDC P 2,160Ω +12.3 VDC 150 mW S 2,880Ω +16.1	Sing	RAL- 24 W-K	24 VDC	5,7 ,Ω	+1 3 VDC	-16.6 VDC	100 mW
RAL-D 3 W-K 3 VDC P 60Ω 2 G , DC 150 mW RAL-D 3 W-K 3 VDC P 60Ω 2 G , DC 150 mW RAL-D4.5 W-K 4.5 VDC P 135Ω +3.1 VD 150 mW RAL-D4.5 W-K 4.5 VDC P 135Ω +3.1 VD 150 mW RAL-D 5 W-K 5 VDC P 167Ω +3.4 VDC 150 mW RAL-D 6 W-K 6 VDC P 240Ω +4.0 VDC 150 mW RAL-D 9 W-K 9 VDC P 540Ω +6.1 VDC 150 mW RAL-D 12 W-K 12 VDC P 960Ω +8.1 VDC 150 mW RAL-D 18 W-K 18 VDC P 2,160Ω +12.3 VDC 150 mW RAL-D 24 W-K 24 VDC P 2,880Ω +16.1 VDC 200 mW RAL-D 48 W-K 48 VDC P 11,520Ω +32.2 VDC 200 mW		RAL -48 W-K	48 VDC	11,520Ω	21.0 DC	-21.0 VDC	200 mW
RAL-D 3 W-K 3 VDC P 60Ω 2 C DC 150 mW RAL-D4.5 W-K 4.5 VDC P 135Ω +3.1 VD 150 mW RAL-D4.5 W-K 4.5 VDC P 135Ω +3.1 VD 150 mW RAL-D 5 W-K 5 VDC P 167Ω +3.4 VDC 150 mW RAL-D 6 W-K 6 VDC P 240Ω +4.0 VDC 150 mW RAL-D 6 W-K 6 VDC P 240Ω +4.0 VDC 150 mW RAL-D 9 W-K 9 VDC P 540Ω +6.1 VDC 150 mW RAL-D 12 W-K 12 VDC P 960Ω +8.1 VDC 150 mW RAL-D 18 W-K 18 VDC P 2,160Ω +12.3 VDC 150 mW RAL-D 24 W-K 24 VDC P 2,880Ω +16.1 VDC 200 mW RAL-D 48 W-K 48 VDC P 11,520Ω +32.2 VDC 200 mW		RAL-D1.5 W-K	1.5 VDC	Ρ 15Ω	+ VDC		150 mW
Nome S 60Ω ···VDC RAL-D4.5 W-K 4.5 VDC P 135Ω +3.1 VD 150 mW RAL-D 5 W-K 5 VDC P 167Ω +3.4 VDC 150 mW RAL-D 5 W-K 5 VDC P 167Ω +3.4 VDC 150 mW RAL-D 6 W-K 6 VDC P 240Ω +4.0 VDC 150 mW RAL-D 6 W-K 6 VDC P 240Ω +4.0 VDC 150 mW RAL-D 16 W-K 9 VDC P 540Ω +6.1 VDC 150 mW RAL-D 9 W-K 9 VDC P 540Ω +6.1 VDC 150 mW RAL-D 12 W-K 12 VDC P 960Ω +8.1 VDC 15° mW RAL-D 18 W-K 18 VDC P 2,160Ω +12.3 VDC 150 mW RAL-D 24 W-K 24 VDC P 2,880Ω +16.1 VDC 200 mW RAL-D 48 W-K 48 VDC P 11,520Ω +32.2 VDC 200 mW				S 15Ω		+1.0 VDC	
RAL-D4.5 W-K 4.5 VDC P 1350 +3.1 VD 150 mW RAL-D 5 W-K 5 VDC P 1670 +3.4 VDC 150 mW RAL-D 6 W-K 6 VDC P 2400 +4.0 VDC 150 mW RAL-D 9 W-K 9 VDC P 5400 +6.1 VDC 150 mW RAL-D 12 W-K 12 VDC P 9600 +8.1 VDC 150 mW RAL-D 18 W-K 18 VDC P 2,1600 +12.3 VDC 150 mW RAL-D 24 W-K 24 VDC P 2,8800 +16.1 VDC 200 mW RAL-D 48 W-K 48 VDC P 11,5200 +32.2 VDC 200 mW		RAL-D 3 W-K	3 VDC	Ρ 60Ω	00, nr		150 mW
Nome S 135Ω +? VDC RAL-D 5 W-K 5 VDC P 167Ω +3.4 VDC 150 mW RAL-D 6 W-K 6 VDC P 240Ω +4.0 VDC 150 mW RAL-D 9 W-K 9 VDC P 540Ω +6.1 VDC 150 mW RAL-D 12 W-K 12 VDC P 960Ω +8.1 VDC 150 mW RAL-D 18 W-K 18 VDC P 2,160Ω +12.3 VDC 150 mW RAL-D 18 W-K 18 VDC P 2,880Ω +16.1 VDC 200 mW RAL-D 24 W-K 24 VDC P 2,880Ω +16.1 VDC 200 mW				S 60Ω		. `VDC	
RAL-D 5 W-K 5 VDC P 167Ω +3.4 VDC 150 mW RAL-D 6 W-K 6 VDC P 240Ω +4.0 VDC 150 mW RAL-D 6 W-K 6 VDC P 240Ω +4.0 VDC 150 mW RAL-D 9 W-K 9 VDC P 540Ω +6.1 VDC 150 mW RAL-D 12 W-K 12 VDC P 960Ω +8.1 VDC 150 mW RAL-D 12 W-K 12 VDC P 960Ω +8.1 VDC 150 mW RAL-D 12 W-K 12 VDC P 960Ω +8.1 VDC 150 mW RAL-D 12 W-K 12 VDC P 2,160Ω +12.3 VDC 150 mW RAL-D 18 W-K 18 VDC P 2,880Ω +16.1 VDC 200 mW RAL-D 24 W-K 24 VDC P 2,880Ω +16.1 VDC 200 mW RAL-D 48 W-K 48 VDC P 11,520Ω +32.2 VDC 200 mW		RAL-D4.5 W-K	4.5 VDC	Ρ 135Ω	+3.1 VD		150 mW
RAL-D 18 W-K 18 VDC P 2,160Ω +12.3 VDC 150 mW RAL-D 18 W-K 24 VDC P 2,880Ω +16.1 VDC 200 mW RAL-D 24 W-K 24 VDC P 2,880Ω +16.1 VDC 200 mW RAL-D 48 W-K 48 VDC P 11,520Ω +32.2 VDC 200 mW	e			S 135Ω		+? √DC	
RAL-D 18 W-K 18 VDC P 2,160Ω +12.3 VDC 150 mW RAL-D 18 W-K 24 VDC P 2,880Ω +16.1 VDC 200 mW RAL-D 24 W-K 24 VDC P 2,880Ω +16.1 VDC 200 mW RAL-D 48 W-K 48 VDC P 11,520Ω +32.2 VDC 200 mW	Ty	RAL-D 5W-K	5 VDC	Ρ 167Ω	+3.4 VDC		150 mW
RAL-D 18 W-K 18 VDC P 2,160Ω +12.3 VDC 150 mW RAL-D 18 W-K 24 VDC P 2,880Ω +16.1 VDC 200 mW RAL-D 24 W-K 24 VDC P 2,880Ω +16.1 VDC 200 mW RAL-D 48 W-K 48 VDC P 11,520Ω +32.2 VDC 200 mW	ing			S 167Ω		+3.4 VDC	
RAL-D 18 W-K 18 VDC P 2,160Ω +12.3 VDC 150 mW RAL-D 18 W-K 24 VDC P 2,880Ω +16.1 VDC 200 mW RAL-D 24 W-K 24 VDC P 2,880Ω +16.1 VDC 200 mW RAL-D 48 W-K 48 VDC P 11,520Ω +32.2 VDC 200 mW	atch	RAL-D 6 W-K	6 VDC	Ρ 240Ω	+4.0 VDC		150 mW
RAL-D 18 W-K 18 VDC P 2,160Ω +12.3 VDC 150 mW RAL-D 18 W-K 24 VDC P 2,880Ω +16.1 VDC 200 mW RAL-D 24 W-K 24 VDC P 2,880Ω +16.1 VDC 200 mW RAL-D 48 W-K 48 VDC P 11,520Ω +32.2 VDC 200 mW	дГ			S 240Ω		+4.0 VDC	2
RAL-D 18 W-K 18 VDC P 2,160Ω +12.3 VDC 150 mW RAL-D 18 W-K 24 VDC P 2,880Ω +16.1 VDC 200 mW RAL-D 24 W-K 24 VDC P 2,880Ω +16.1 VDC 200 mW RAL-D 48 W-K 48 VDC P 11,520Ω +32.2 VDC 200 mW	ndin	RAL-D 9 W-K	9 VDC	Ρ 540Ω	+6.1 VDC	C	150 mW
RAL-D 18 W-K 18 VDC P 2,160Ω +12.3 VDC 150 mW RAL-D 18 W-K 24 VDC P 2,880Ω +16.1 VDC 200 mW RAL-D 24 W-K 24 VDC P 2,880Ω +16.1 VDC 200 mW RAL-D 48 W-K 48 VDC P 11,520Ω +32.2 VDC 200 mW	Vir			S 540Ω		+6.1 VDC	
RAL-D 18 W-K 18 VDC P 2,160Ω +12.3 VDC 150 mW RAL-D 18 W-K 24 VDC P 2,880Ω +16.1 VDC 200 mW RAL-D 24 W-K 24 VDC P 2,880Ω +16.1 VDC 200 mW RAL-D 48 W-K 48 VDC P 11,520Ω +32.2 VDC 200 mW	Double	RAL-D 12 W-K	12 VDC	Ρ 960Ω	+8.1 VDC		15° mW
RAL-D 18 W-K 18 VDC P 2,160Ω +12.3 VDC 150 mW RAL-D 18 W-K 24 VDC P 2,880Ω +16.1 VDC 200 mW RAL-D 24 W-K 24 VDC P 2,880Ω +16.1 VDC 200 mW RAL-D 48 W-K 48 VDC P 11,520Ω +32.2 VDC 200 mW				S 960Ω		+8.1 VDC	
RAL-D 24 W-K 24 VDC P 2,880Ω +16.1 VDC 200 mW S 2,880Ω +16.1 VDC +16.1 VDC 200 mW RAL-D 48 W-K 48 VDC P 11,520Ω +32.2 VDC 200 mW		RAL-D 18 W-K	18 VDC	Ρ 2,160Ω	+12.3 VDC		150 mW
S 2,880Ω +16.1 VDC RAL-D 48 W-K 48 VDC P 11,520Ω +32.2 VDC 200 mW				S 2,160Ω		+12.3 VDC	
RAL-D 48 W-K 48 VDC P 11,520Ω +32.2 VDC 200 mW		RAL-D 24 W-K	L-D 24 W-K 24 VDC	Ρ 2,880Ω	+16.1 VDC		200 mW
	-			S 2,880Ω		+16.1 VDC	
S 11,520Ω +32.2 VDC		RAL-D 48 W-K	48 VDC	Ρ 11,520Ω	+32.2 VDC		200 mW
				S 11,520Ω		+32.2 VDC	

Note: *1 Specified values are subject to pulse wave voltage. All values in the table are measured at 20°C.

P: Primary coil S: Secondary coil

SPECIFICATIONS

Item			Standard Type	Single Winding Latching Type	Double Winding Latching Type		
			RA-() W-K	RAL-() W-K	RAL-D()W-K		
Contact	Arrangement		2 form C (DPDT)				
	Material		Gold overlay palladium				
	Style		Bifurcated (cross bar)				
	Resistance (initial)		Maximum 100 mΩ (at 1 A 6 VDC)				
	Rating (resistive)		0.5 A 120 VAC or 1 A 24	VDC			
	aximum Carrying Current		2 A				
	Aaxi um Switching Power		60 VA, 24 W				
	l umi	vitching Voltage	250 VAC, 220 VDC				
	S ب Aaxim.	witching Current	2 A				
	Mi, imu Sv	mg_pad*1	0.01 mA 10 mVDC				
	Capacitan (10 MHz)		Approximately 1.5 pF (between open contacts), 1.0 pF (adjacent contacts) Approximately 1.7 pF (between coil and contacts)				
Coil	Nominal Power (20°C'		50 to 200 mW	75 to 200 mW	150 to 200 mW		
	Operate Power (at)		0 to ^ר 0 mW	40 to 50 mW	70 to 90 mW		
	Operating Temperature		-/ C to 90°C (no frost) (refer to the CHARACTERISTIC DATA)				
Time Value	e Operate (at nominal voltage)		Jaxim' ô n.s	Maximum 6 ms (set)			
	Release (at nominal voltage)		Mə` .um 4 r	Maximum 6 ms (reset)			
Life	Mechanical		2 × 10 ⁷ or _ation himum				
	Electrical		2 × 10 ⁵ ops. r . (' 5 Å 20 ^V AC), 5 × 10 ⁵ ops. min. (1 A 24 VDC)				
Other	Vibration	Misoperation	10 to 55 Hz (dout inplified of 5.0 mm)				
	Resistance	Endurance	10 to 55 Hz (double ar	tude s.0 m)			
	Shock	Misoperation	500 m/s² (11 ±1 ms)				
	Resistance	Endurance	1,000 m/s ² (6 ±1 ms)				
	Weight		Approximately 3.7 g				

■ INSULATION

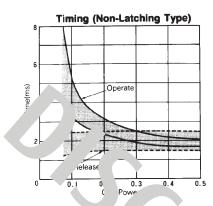
Item		Standard	Single latch	Double la ch
Isolation (initial)		Minimum 1,000 MΩ (at 500VDC)		
Dielectric	open contacts	1,000VAC 1 min.,		
Strength	coil and contacts/ adjacent contact	1,500VAC 1 min.,		
Surge Voltage		1500V (coil-contact) (10/160 µs standard wave)		

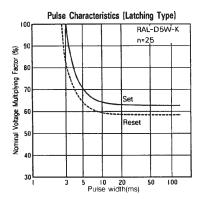
SAFETY STANDARDS

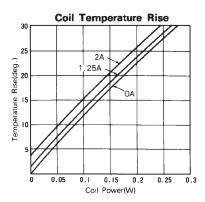
Туре	Compliance	Contact rating
UL	UL 478, UL 508 E 45026	Flammability: UL 94-V0 (plastics) 0.5A, 120VAC (resistive)
CSA	C22.2 No. 14 LR 35579	2A, 30VDC (resistive) 0.5A, 60VDC (resistive)

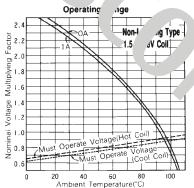
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CHARACTERISTIC DATA

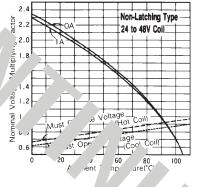




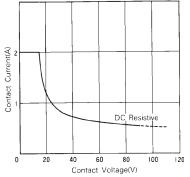






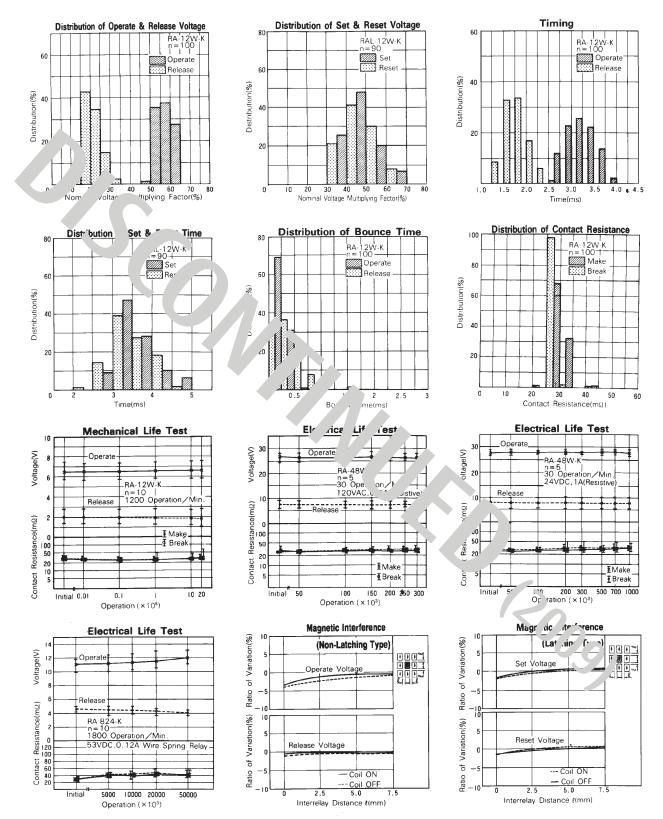




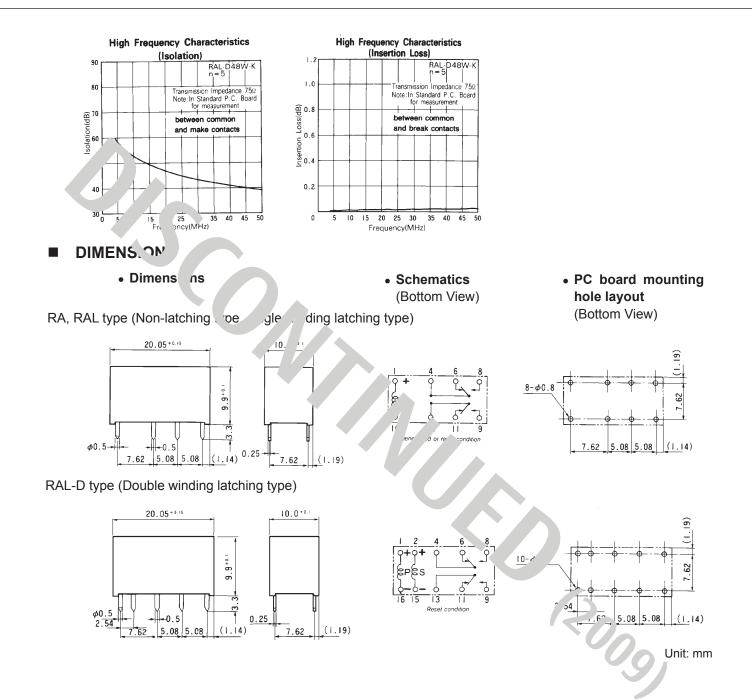


Life Curves

REFERENCE DATA



RA SERIES



RoHS Compliance and Lead Free Relay Information

1. General Information

- Relays produced after the specific date code that is indicated on each data sheet are lead-free now. Most of our signal and power relays are lead-free. Please refer to Lead-Free Status Info. (http://www.fujitsu.com/us/downloads/MICRO/fcai/relays/lead-free-letter.pdf)
- Lead free solder paste currently used in relays is Sn-3.0Ag-0.5Cu.
- All signal and most power relays also comply with RoHS. Please refer to individual data shere he lays that are RoHS compliant do not contain the 5 hazardous materials that are estrived by RoHS directive (lead, mercury, chromium IV, PBB, PBDE).
- nas / in / initial that using lead-free relays in leaded assembly process will not cause any process in free relays in leaded assembly process will not cause any process in the relation of the relation of
- "LF" is r ked each outer and inner carton. (No marking on individual relays).
- To avoid ler ded lays / lead-free sample, etc.) please consult with area sales office.
- We will ship , d ays as long as the leaded relay inventory exists.

Note: Cadmium was e empted PoHSon October 21, 2005. (Amendment to Directive 2002/95/EC)

2. Recommended I ad r ee Solder Profile

• Recommended solder past 1-3.f of 0.50 u.

Reflow Solder condition

Flow Solder condition:

Pre-heating: maximum 120°C Soldering: dip within 5 sec. at 260°C soler bath

Solder by Soldering Iron:

Soldering Iron Temperature: maximum 360°C Duration: maximum 3 sec.

We highly recommend that you confirm your actual solder conditions

3. Moisture Sensitivity

• Moisture Sensitivity Level standard is not applicable to electromechanical realys.

4. Tin Whisker

• Dipped SnAgCu solder is known as low risk tin whisker. No considerable length whisker was found by our in house test.

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