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

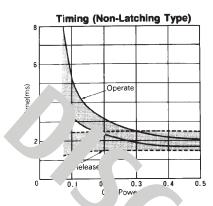
| Item | | Standard | Single latch | Double la ch |
|---------------------|--|--|--------------|--------------|
| Isolation (initial) | | Minimum 1,000 MΩ (at 500VDC) | | |
| Dielectric | open contacts | 1,000VAC 1 min., | | |
| Strength | coil and contacts/ adjacent contact | 1,500VAC 1 min., | | |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

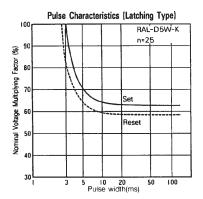
SAFETY STANDARDS

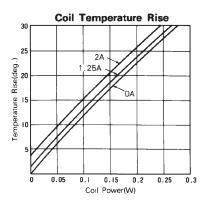
| Туре | Compliance | Contact rating |
|------|---------------------------|---|
| UL | UL 478, UL 508 E 45026 | Flammability: UL 94-V0 (plastics) 0.5A, 120VAC (resistive) |
| CSA | C22.2 No. 14 LR 35579 | 2A, 30VDC (resistive) 0.5A, 60VDC (resistive) |

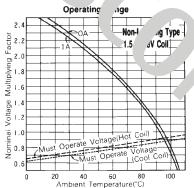
5

CHARACTERISTIC DATA

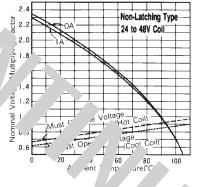




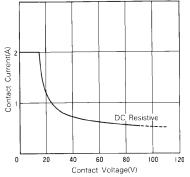






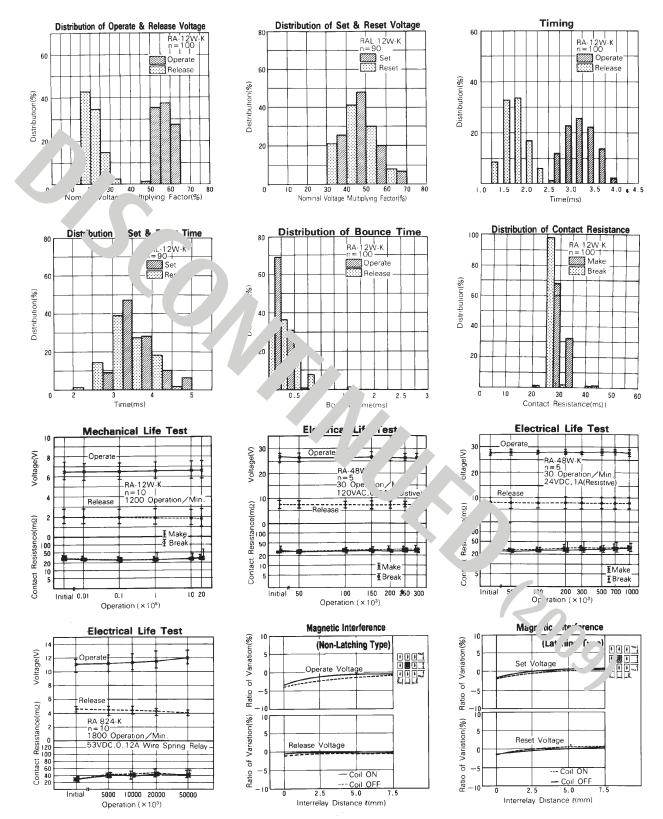




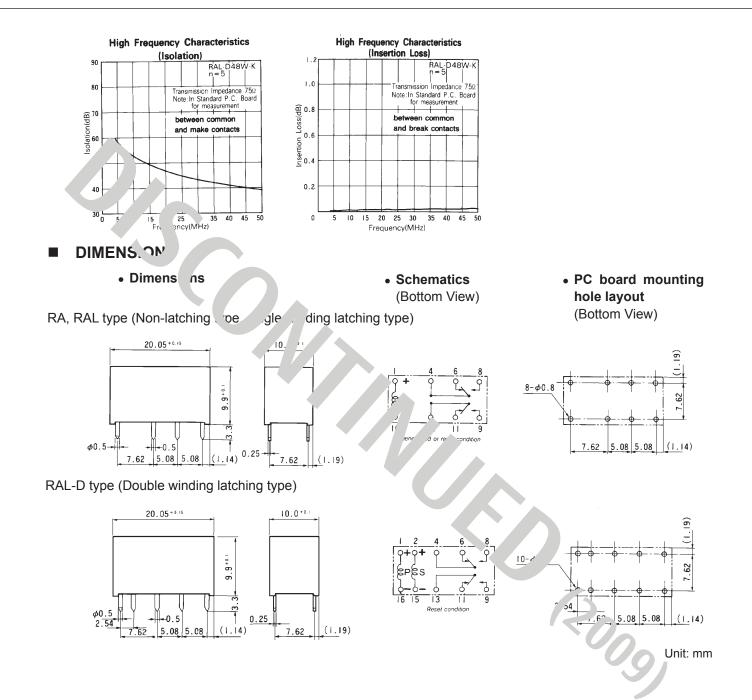


Life Curves

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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