
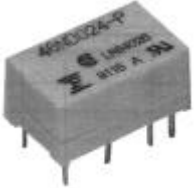
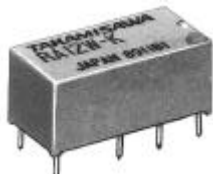


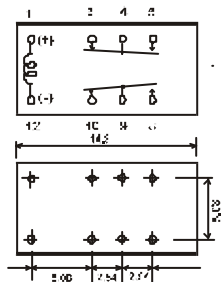


## FUJITSU TAKAMISAWA RELAY SELECTION GUIDE

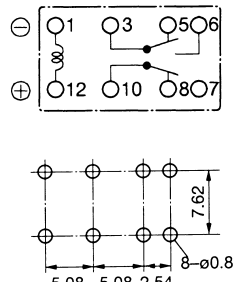
## POWER RELAYS

Series Name	NA	FBR46	RA	RA4	RY
Overview					
W x L x H (mm)	7.4 x 14.9 x 9.7	9.8 x 15.9 x 11.4	10.0 x 20.36 x 3.9	10.3 x 35.24 x 9.9	9.6 x 20.2 x 7.5
Unit Mass (Approx)	1.8g	2.5g	3.7g	5.7g	5.0g
Contact Arrangement	2c (2 Form C)	2c (2 Form C)	2c (2 Form C)	1c (4 Form C)	2c (2 Form C)
Contact Rating (A)	(2A Carry) 2A	(1.25A Carry) 1A	(2A Carry) 2A	(2A Carry) 2A	(2A Carry) 1A, 2A
Minimum Switching Load (ref)	10mVDC 0.01mA	10mVDC 0.01mA	10mVDC 0.01mA	10mVDC 0.01mA	10mVDC 0.01mA
Contact Rating (Resistive Load)	30VDC 1A 125VAC 0.5A	30VDC 1A 125VAC 0.5A	24VDC 1A 120VAC 0.5A	28VDC 1A 120VAC 0.5A	RY-W,WZ 24VDC 1A 120VAC 0.5A RY-WF 24VDC 1A 120VAC 0.5A RY-WFZ 30VDC 2A 125VAC 0.5A
Coil Voltage (DC)	1.5 to 24V (48V)	3 to 24V	1.5 to 48V	1.5 to 48V	4.5 to 48V
Nominal Power (DC)	0.1 to 0.3W	0.15 to 0.25W	0.075 to 0.2W	0.09 to 0.2W	0.15 to 0.58W
Dielectric Strength	Open Contacts 1000 VAC Coil and Contacts 1,500 VAC (NA,NAL) 1,000 VAC (NAL-D)	750 VAC/ 1000 VAC 1000 VAC	1,000 VAC 1,500 VAC	1,000 VAC 1,500 VAC	500 VAC (W,WZ,W=F) 1,000 VAC (W=F) 1,500 VAC
Surge Strength (Coil and Contacts)	2,500 V (NA,NAL) 1,500 V (NAL-D)	1500 V/ 2500 V	1,500 V	1,500 V	1,500 V
Expected Life	Mechanical 100 x 10 <sup>5</sup> ops (NA), 10 x 10 <sup>6</sup> ops (NAL,NAL-D) Electrical (Rated Load) 500 x 10 <sup>3</sup> ops (DC), 200 x 10 <sup>3</sup> ops (AC)	50 x 10 ops	20 x 10 <sup>6</sup> ops. 500 x 10 <sup>3</sup> ops (DC), 200 x 10 <sup>3</sup> ops (AC)	20 x 10 <sup>6</sup> ops. 500 x 10 <sup>3</sup> ops (DC), 200 x 10 <sup>3</sup> ops (AC)	20 x 10 <sup>6</sup> ops (W) 10 x 10 <sup>6</sup> ops (WF,WZ,W=Z) 100 x 10 <sup>3</sup> ops (DC 30V 2A), 200 x 10 <sup>3</sup> ops (AC 20V 0.5A), 500 x 10 <sup>3</sup> ops (DC 24V 1A)
Safety Standards	UL, CSA, FCC68, Bellcore	UL, CSA, FCC68, Bellcore	UL, CSA, FCC68	UL, CSA, FCC68	UL, CSA, FCC68
Remarks	Plastic Sealed Type Latching type avail Double Latching type available.	Plastic Sealed Type Latching type available	Plastic Sealed Type Latching type avail Dual-curve relay available	Plastic Sealed Type Latching type avail	Plastic Sealed Type

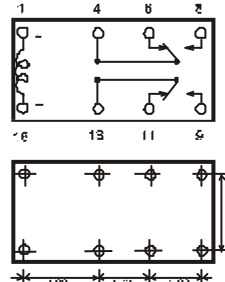
## FUJITSU TAKAMISAWA RELAYS



Part Number	Voltage
NA-5WK	5V
NA-12WK	12V

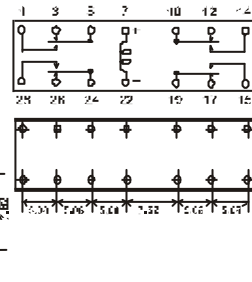


Part Number	Voltage
FBR46NDO12P	12V
FBR46NDO24P	24V

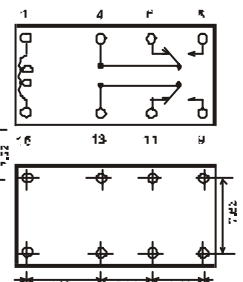


Part Number	Voltage
RA-5WK	5V
RA-12WK	12V
RA-24WK	24V

Same as:  
RSA Series



Part Number	Voltage
RA4-5WK	5V
RA4-12WK	12V
RA4-24WK	24V



Part Number	Voltage
RY-6W-K	6V
RY-12W-K	12V
RY-24W-K	24V

Same as:  
RSA Series