


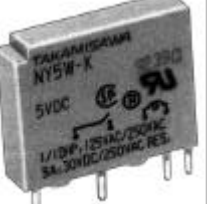

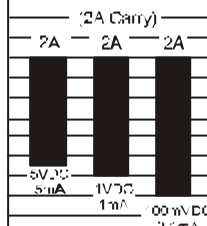
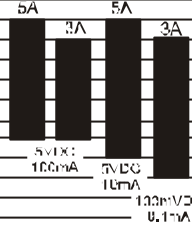
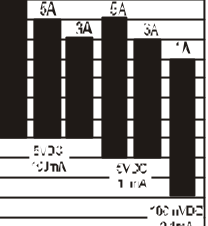
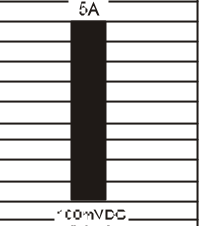
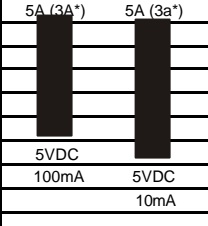
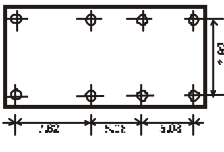
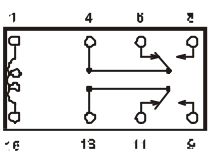


## FUJITSU TAKAMISAWA RELAY SELECTION GUIDE

## POWER RELAYS

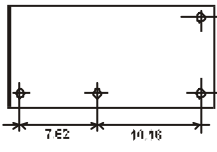
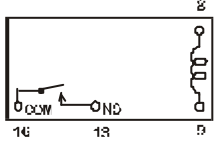
Series Name	FBR240	JY	LZ	NY	VE
Overview					
W x L x H (mm)	9.6 x 20.0 x 10.0	10.0 x 20.0 x 12.5	13.4 x 21.7 x 14.8	5.0 x 20.0 x 17.0	10.5 x 20.5 x 20.5
Unit Mass (Approx)	1.2g	5.0g	7.7g	3.5g	8.0g
Contact Arrangement	2c (2 Form C)	1a (1 Form A)	1a, 1c (1 Form A, C)	1a (1 Form A)	1a, 1c (1 Form A, C)
Contact Rating (A)	 <p>(2A Carry) 2A, 2A, 2A</p>	 <p>(5A Carry) 5A, 3A, 5A, 3A</p>	 <p>(10A Carry) 10A, 5A, 3A, 5A, 3A, 1A</p>	 <p>(5A Carry) 5A</p>	 <p>(7A Carry) 5A (3A*), 5A (3A*)</p>
Minimum Switching Load (rel.)	<p>5VDC 5mA 1VDC 1mA 0VDC 0.1mA</p>	<p>5VDC 100mA 5VDC 10mA 100mVDC 0.1mA</p>	<p>5VDC 5mA 5VDC 1mA 100mVDC 0.1mA</p>	<p>5VDC 10mA 5VDC 0.1mA</p>	<p>5VDC 100mA 5VDC 10mA</p>
Contact Rating (Resistive Load)	30 VDC 1A 125 VAC 0.5A	(5A Type) 30 VDC/250 VAC 5A (3A Type) 30 VDC/250 VAC 3A	(5 in 10 A Type) 24 VDC/120 VAC 10A (1 to 3A Type) 30 VDC/120 VAC 3A	30 VDC 5A 250 VAC 5A	VE(-) H5 250 VAC 5A VE(-) H 250 VAC 5 A/3 A*
Coil Voltage (DC)	3 to 48V	4.5 to 48 V	1.5 to 24 V	4.5 to 24V	5 to 48V
Normal Power (DC)	0.5 to 0.58 W	0.2 to 0.38 W	0.33W/0.45 to 0.6 W	0.17 W	0.25W/0.36W
Dielectric Strength	<p>Open Contacts: 500 VAC</p> <p>Coil and Contacts: 500 VAC/1,000 VAC</p>	750 VAC 2,000 VAC	750 VAC 2,000 VAC	750 VAC 2,000 VAC	750 VAC (1c) 1000 VAC (1a) 2000 VAC
Surge Strength (Coil and Contacts)	1,500 V	4,000 V/5,000 V	4,000 V/5,000 V	4,000 V	4000 V/6000 V
Expected Life	<p>Mechanical: 20 x 10<sup>6</sup> ops.</p> <p>Electrical (Rated Load): 500 x 10<sup>6</sup> ops. (DC) 100 x 10<sup>6</sup> ops. (AC)</p>	<p>Mechanical: 20 x 10<sup>6</sup> ops.</p> <p>Electrical: 100 x 10<sup>6</sup> ops.</p>	<p>Mechanical: 20 x 10<sup>6</sup> ops.</p> <p>Electrical: 100 x 10<sup>6</sup> ops.</p>	<p>Mechanical: 20 x 10<sup>6</sup> ops.</p> <p>Electrical: 33 x 10<sup>6</sup> ops. (AC250V 5A) 130 x 10<sup>6</sup> ops. (DC 30V 5A) 150 x 10<sup>6</sup> ops. (AC250V 3A)</p>	<p>Mechanical: 10 x 10<sup>6</sup> ops.</p> <p>Electrical: 100 x 10<sup>6</sup> ops. (VE) 50 x 10<sup>6</sup> ops. (VE-S)</p>
Safety Standards	UL, CSA, FCC68	UL, CSA, VDE, FCC68	UL, CSA, SEV	UL, CSA	UL, CSA, VDA
Remarks	Plastic Sealed Type available	Plastic Sealed Type Socket available	Plastic Sealing Type	Plastic Sealed Type Socket available IEC-1010 type avail	Plastic Sealed Type *VE(-) H NC contact

**FUJITSU  
TAKAMISAWA  
RELAYS**

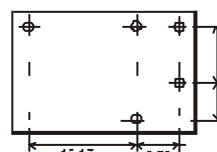
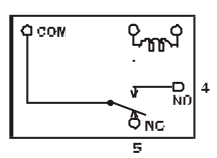


Part Number	Voltage
FBR244ND006	6V
FBR244ND012	12V
FBR244ND024	24V

Same as:  
RY Series  
RSA Series

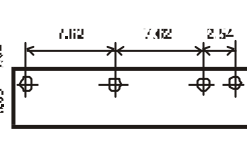
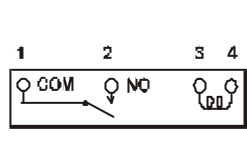


Part Number	Voltage
JY-12H-K	12V
JY-24H-K	24V

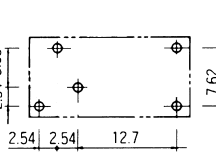
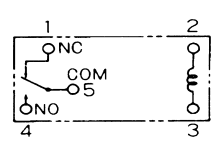


Part Number	Voltage
LZ-5H	5V
LZ-12H	12V
LZ-24H	24V

Same as:  
NT72C Series  
H100S Series



Part Number	Voltage
NY-5W-K	5V
NY-6W-K	6V
NY-12W-K	12V
NY-24W-K	24V



Part Number	Voltage
VE-6H	6V
VE-12H	12V