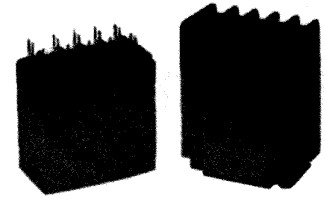


G5V-2

Low Signal Relay

Features

- Ideal for 3-phase motor control applications
- No contact chattering for momentary voltage drops up to 50% of rated voltage
- Withstanding more than 4 kV between contacts that are different in polarity and between the coil and contacts
- Push-to-test button is a standard feature to check contact operation



Contact Data

Contact ratings

NO: 25 A, 220 VAC (24 A, 230 VAC) (Resistive – $\cos \phi = 1$ /Inductive – $\cos \phi = 0.4$); 25 A, 30 VDC (Resistive)

NC: 8 A, 220 VAC (7.5 A, 230 VAC) (Resistive – $\cos \phi = 1$ /Inductive – $\cos \phi = 0.4$); 8 A, 30 VDC (Resistive)

Maximum operating voltage

250 VAC (Resistive – $\cos \phi = 1$ /Inductive – $\cos \phi = 0.4$); 125 VDC (Resistive)

Maximum operating current

NO: 25 A

NC: 8 A

Maximum switching capacity

NO: 5,500 VA (Resistive – $\cos \phi = 1$ /Inductive – $\cos \phi = 0.4$); 750 W DC

NC: 1,760 VA (Resistive – $\cos \phi = 1$ /Inductive – $\cos \phi = 0.4$); 240 W DC

Minimum permissible load 100mA, 24 VDC

Coil Data (% of rated voltage)

Pickup voltage 75% max.

Dropout voltage 15% min.

Maximum voltage 110%

Characteristic Data

Initial contact resistance 50mΩ max.

Insulation resistance 1,000MΩ min. (at 500 VDC)

Dielectric strength

Between coil and contacts: 4,000 VAC, 50/60 Hz for 1 minute

Between contacts of different polarity: 4,000 VAC, 50/60 Hz for 1 minute

Between contacts of same polarity: 2,000 VAC, 50/60 Hz for 1 minute

Service life

Mechanical: 1,000,000 operations min.

Electrical: 100,000 operations min.

Construction Data

Termination PC board terminals or screw terminals

Weight

PCB terminal type: 4.9 oz. (140 g)

Screw terminal type: 5.8 oz. (165 g)

Packaging method Trays

Ordering Information

Part number	Rated voltage (V)	Coil res. (Ohms)	Power	Contact rating	Type
G7J-4A-P -DC12	12 DC	72	2.0 W	25 A	4PST-NO with PCB
-DC24	24 DC	288	Approx.	25 A	Terminals, Mounting Bracket
-AC100/120	100/120 AC	—	1.8 to 2.6 VA	25 A	Optional
-AC200/240	200/240 AC	—	Approx.		
G7J-4A-B -DC12	12 DC	72	2.0 W	25 A	4PST-NO with Screw
-DC24	24 DC	288	Approx.	25 A	Terminals, Mounting Bracket
-AC100/120	100/120 AC	—	1.8 to 2.6 VA	25 A	Required
-AC200/240	200/240 AC	—	Approx.		
G7J-3A1B-P-DC12	12 DC	72	2.0 W	25 A/8 A	3PST-NO/SPST-NC with PCB
-DC24	24 DC	288	Approx.	25 A/8 A	Terminals, Mounting Bracket
-AC100/120	100/120 AC	—	1.8 to 2.6 VA	25 A/8 A	Optional
-AC200/240	200/240 AC	—	Approx.		
G7J-3A1B-B-DC12	12 DC	72	2.0 W	25 A/8 A	3PST-NO/SPST-NC with Screw
-DC24	24 DC	288	Approx.	25 A/8 A	Terminals, Mounting Bracket
-AC100/120	100/120 AC	—	1.8 to 2.6 VA	25 A/8 A	Required
-AC200/240	200/240 AC	—	Approx.		
G7J-2A2B-P-DC12	12 DC	72	2.0 W	25 A/8 A	DPST-NO/DPST-NC with PCB
-DC24	24 DC	288	Approx.	25 A/8 A	Terminals, Mounting Bracket
-AC100/120	100/120 AC	—	1.8 to 2.6 VA	25 A/8 A	Optional
-AC200/240	200/240 AC	—	Approx.		
G7J-2A2B-B-DC12	12 DC	72	2.0 W	25 A/8 A	DPST-NO/DPST-NC with Screw
-DC24	24 DC	288	Approx.	25 A/8 A	Terminals, Mounting Bracket
-AC100/120	100/120 AC	—	1.8 to 2.6 VA	25 A/8 A	Required
-AC200/240	200/240 AC	—	Approx.		

Note: 1. These relays need a W-bracket (sold separately) for mounting. (R99-04-FOR-G5F)

2. Relay and bracket packed together can be ordered by adding "WJ" to above part numbers.