



4JB5-2

4JB5-2 Space & MIL-Spec Relay

- This product is designed to switch 50 Vd.c. system voltage, fill the gaps between domestic and foreign varieties, is a military standard product, and all technical indicators meet the requirements of GJB65B general specifications. Suitable for aerospace, aviation electrical equipment switching circuits.

Category: Magnetic Latching Relay

Description

4JB5-2 Miniature Magnetic Latching Relays

Environmental Characteristics

No.	Parameter	Environmental Condition			
		⌀, G			

1	Quality Grade		II		IV		G5B	Aerospace	GJB
2	Temperature range	(°C)	-55 ~ 85						-65 ~ 125
3	Relative Humidity		(40±2) °C, 90% ~ 95%						—
4	Low Pressure	(kPa)	0.67 ~ 0.27		0.67 ~ 0.13		0.67 ~ 0.27		4
5	Sinusoidal vibration	(Hz)	10 ~ 2000						
		(m/s ²)	147	196					
6	Random vibration	(m/s ²) ² /Hz	—	25	—		20		
7	Shock	(m/s ²)	490	735	784		980		735
8	Constant Acceleration	(m/s ²)	490	735	490		735		

Main Characteristics

(The following main technical indicators are listed in the GJB and CAST grade product specifications. For other quality grade product parameters, please refer to the respective specifications.)

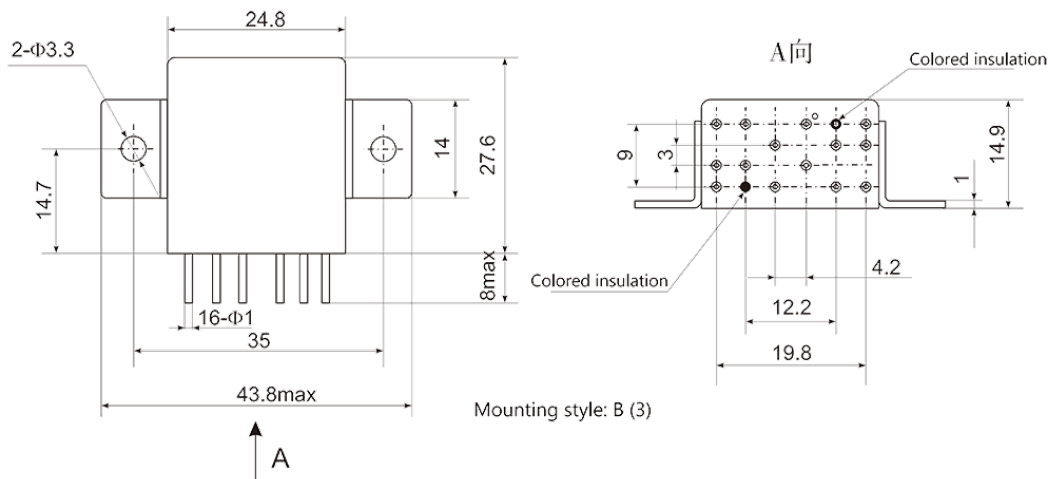
Contact arrangement		4PDT	Action Time (ms)		≤10
Coil Power (W)		1.4	Release time (ms)		—
Leak Rate (Pa.cm ³ /s)		≤1×10 ⁻³	Contact load	Resistive I	5A, 28 Vd.c.
Contact resistance (Ω)	Initial	≤0.03		Resistive II	3A, 50 Vd.c.
	After Life	≤0.1		Inductive	0.2A, 28 Vd.c., 200mH
Insulation resistance (MΩ)	Normal	≥10000(100Vd.c.)		Lamp	0.2A, 28 Vd.c.
	High Temp./ Humidity	≥100(100Vd.c.)		Low level	10μA ~ 50μA, 10mV ~ 50mV
Dielectric withstand voltage (50Hz)	Normal	500 Vr.m.s	Life time (cycles)		Grade I: 1×10 ⁵
	Low pressure	250 Vr.m.s			Grade II: 1×10 ⁴
Weight(g)		≤50	Overload Rating		Resistive, 10A, 28 Vd.c.
			Failure Rate		L level

Electrical Specification

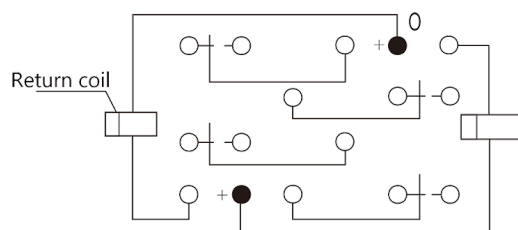
(The following main technical indicators are listed in the GJB and CAST grade product specifications. For other quality grade product parameters, please refer to the respective specifications.)

Specification number	Coil Voltage		20°C			Overall temperature range	
	Normal	Max	Coil resistance (1±10%) Ω	Operating voltage (max)	Release voltage (min)	Operating voltage (max)	Release voltage (min)
028	28	30	560	18	—	26(24)	—

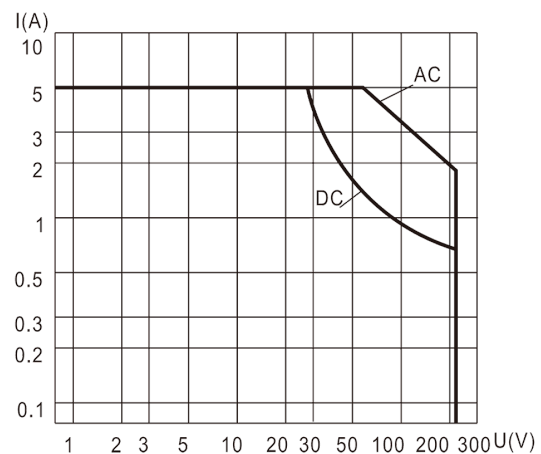
Dimensions



Circuit Diagram



Resistive Load Diagram



Order Mark

- GJB grade products:

Example: J65 /RY20031-028 L/3 2 4JB5-2

J	65	/	RY20031	—	028	L	/	3	2	4JB5-2
Military sign	General specification		Detailed specification No.		Coil voltage	Failure rate		Mounting style	Terminal type	Product number

Detailed specification: Q/RY20031-2003

- CAST grade products:

Example: 4JB5-2- 28BZ1

4JB5-2	—	28	B	Z1
Product number		Coil voltage	Mounting style	Quality Level

Detailed specification: CASTPS06/002A-2008

- (G5B) Grade military products:

Example: 4JB5-2/II28 B

4JB5-2	/	II	28	B
Product number		Environmental rating	Coil voltage	Mounting style

Detailed Specification: Q/RYJ0115-91

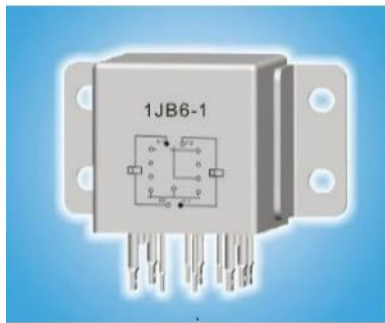
- G and J grade products:

Example: 4JB5-2/II28 B

4JB5-2	/	II	28	B
Product number		Environmental rating	Coil voltage	Mounting style

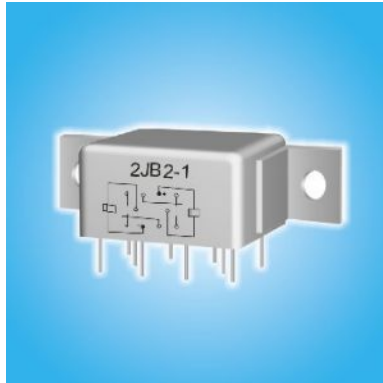
Detailed specification: RY0.453.004JT

Related products



1JB6-1

Magnetic Latching Relay



2JB2-1

Magnetic Latching Relay



4JRB-4

Magnetic Latching Relay



2JB5-1

Magnetic Latching Relay