New Cube & Slim Type Relay

New Cube Relay K708 Series

Part Number Description

K708 - ❶ ❷ ❸ ❹

❶	**Contact Arrangement**	1PL: 1C, 1a+1b				2PL: 2C, 2a+2b
❷	**Option**	None: LED Indicator				D: LED Indicator + surge suppression diode
❸	**Function**	None: Standard				T: Test Button
❹	**Coil Voltage**	6VDC* 24VAC*	12VDC* 110VAC*	24VDC 230VAC	48VDC*	110VDC*

* maked voltages are on demand only

General Specification

Contact data	**Arrangement**		1 formC (SPDT) 1a+1b	2 form C (DPDT) 2a+2b	
	Contact material		Ag alloy Gold-plated		
	Initial contact resistance		50mΩ		
	Rated load, resistive		1C :12A 250VAC/30VDC	2C : 8A 250VAC/30VDC	
	Max. carry current		12A	8A	
	Max. switching capacity		360W/3,000VA	240W/2,000VA	
	Max. switching voltage		30VDC/250VAC		
	Min. switching rating[1)]		100mA 5VDC		
Coil data	**Rated voltage**		6VDC	12VDC	24VDC
			48VDC	110VDC	
			24VAC	110VAC	220/240VAC
	Max. voltage		정격전압의 110%		
	Rated power consumption[2)]		DC : 0.53W	AC : 1.0VA	
	Operate voltage[3)]		DC : 75% of Nominal Voltage		
			AC : 80% of Nominal Voltage		
	Release voltage[4)]		DC : 10% of Nominal Voltage DC		
			AC : 30% of Nominal Voltage AC		
General data	**Operate time**		20ms max. at rated voltage		
	Release time		10ms max. at rated voltage		
	Intial insulation resistance		1,000MΩ min.(at 500VDC)		
	Dielectric strength	**Between open contacts**	1,000Vrms 1 minute		
		Between adjacent poles	3,000Vrms 1 minute		
		Between contact points and Coil	5,000Vrms 1 minute		
	Expected Life	**Mechanical**	Min. 10,000,000		
		Electrical	Min. 100,000		
	Ambient temperature		-40 ~ +55°C (with no Condensing)		
	Ambient humidity		35% ~ 85% RH		
	Mounting method		Plug in		
	Weight		20g approx.		

1) Min. Switching Load mentioned above are reference values. Therefore it is recommended to perform the confirmation test with the actual load before production since reference values may vary according to switching frequencies, environmental conditions and expected reliability levels.

2), 3), 4) The values depend on coil voltage. All values in the chart are measured at 23℃

Note: The above figures are initial values.

☞ Specifications and materials can be changed without prior notice.



Part Number Description

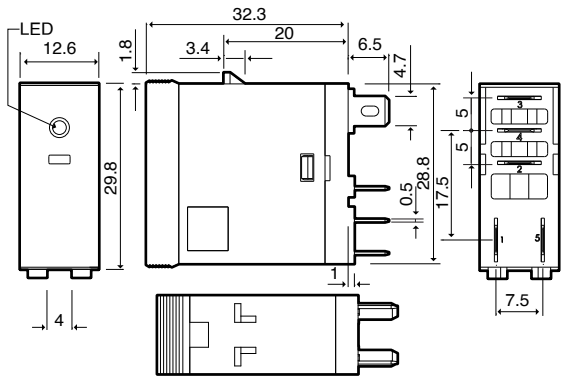
	Contact Arrange-ment	Socket	Rated Voltage	Part Number			
				LED IIndicator		LED Indicator + surge suppression diode	
				Standard	Test Button	Standard	Test Button
	**1 form C SPDT 1a+1b**	 KPX13	24VAC	K708-1PL 24VAC	K708-1PLT 24VAC		
			110VAC	K708-1PL 110VAC	K708-1PLT 110VAC		
		 KPX12	220/240VAC	K708-1PL 230VAC	K708-1PLT 230VAC		
			6VDC	K708-1PL 6VDC	K708-1PLT 6VDC	K708-1PLD 6VDC	K708-1PLDT 6VDC
		 KPX12-P	12VDC	K708-1PL 12VDC	K708-1PLT 12VDC	K708-1PLD 12VDC	K708-1PLDT 12VDC
			24VDC	K708-1PL 24VDC	K708-1PLT 24VDC	K708-1PLD 24VDC	K708-1PLDT 24VDC
		 KPX-05-PU	48VDC	K708-1PL 48VDC	K708-1PLT 48VDC	K708-1PLD 48VDC	K708-1PLDT 48VDC
			110VDC	K708-1PLT 110VDC	K708-1PL 110VDC	K708-1PLD 110VDC	K708-1PLDT 110VDC
	**2 form C DPDT 2a+2b**	 KPX23	24VAC	K708-2PL 24VAC	K708-2PLT 24VAC		
			110VAC	K708-2PL 110VAC	K708-2PLT 110VAC		
		 KPX22	220/240VAC	K708-2PL 230VAC	K708-2PLT 230VAC		
			6VDC	K708-2PL 6VDC	K708-2PLT 6VDC		
		 KPX22-P	12VDC	K708-2PL 12VDC	K708-2PLT 12VDC	K708-2PLD 12VDC	K708-2PLDT 12VDC
			24VDC	K708-2PL 24VDC	K708-2PLT 24VDC	K708-2PLD 24VDC	K708-2PLDT 24VDC
		 KPX-08-PU	48VDC	K708-2PL 48VDC	K708-2PLT 48VDC	K708-2PLD 48VDC	K708-2PLDT 48VDC
			110VDC	K708-2PL 110VDC	K708-2PLT 110VDC	K708-2PLD 110VDC	K708-2PLDT 110VDC

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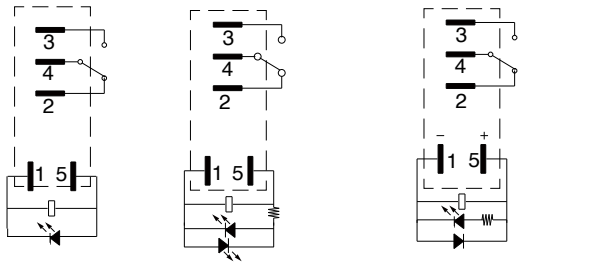
New Cube Relay K708 Series

Dimension (mm) and schematic

K708-1PL and variations	
Standard K708-1PL K7081PLD	Test Button K708-1PLT K7081PLDT



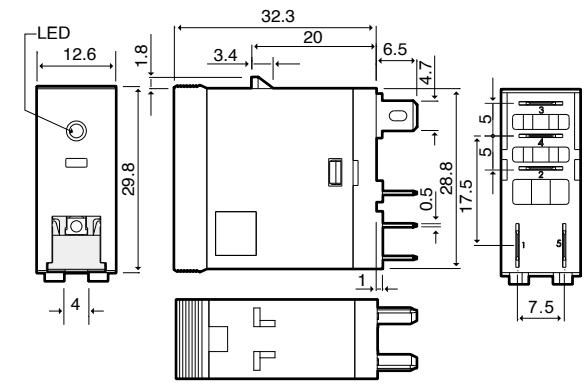
(Bottom View)



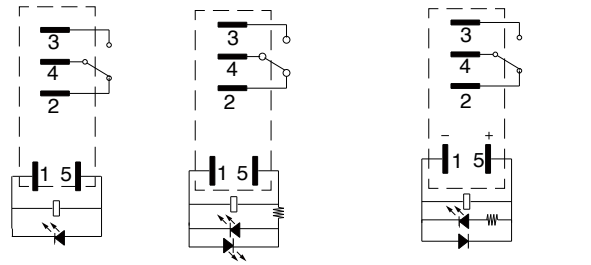
LED (AC)
K708-1PL

non-polarity
LED (DC)
K708-1PL

NOTICE: polarity exists
careful wiring necessary
LED + Diode (DC) K708-1PLD



(Bottom View)



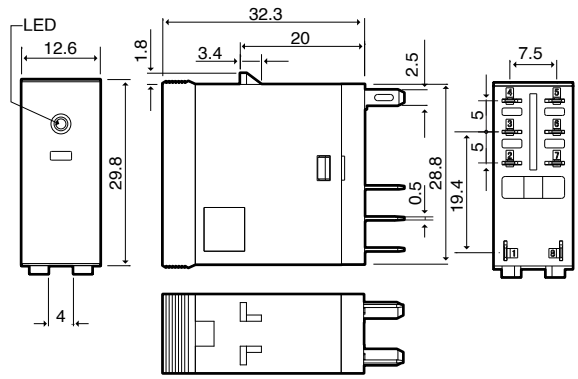
LED (AC)
K708-1PL

non-polarity
LED (DC)
K708-1PL

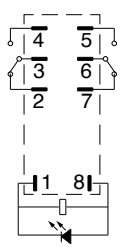
NOTICE: polarity exists
careful wiring necessary
LED + Diode (DC)
K708-1PLD

Dimension (mm) and schematic

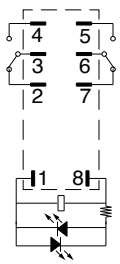
K708-2PL and varia tions	
Standard K708-2PL K708-2PLD	Test Button K708-2PLT K708-2PLDT



(Bottom View)

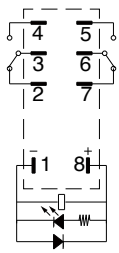


LED (AC)
K708-2PL



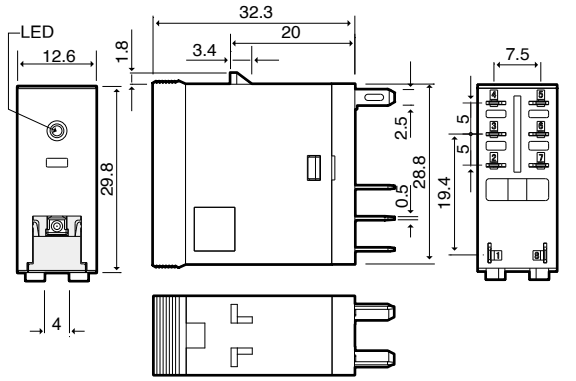
non-polarity

LED (DC)
K708-2PL

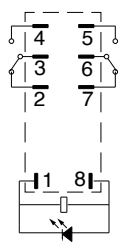


NOTICE: polarity exists
careful wiring necessary

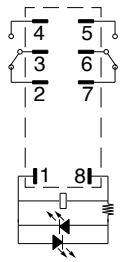
LED + Diode (DC)
K708-2PLD



(Bottom View)

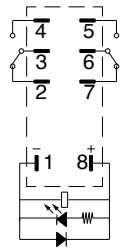


LED (AC)
K708-2PL



non-polarity

LED (DC)
K708-2PL



NOTICE: polarity exists
careful wiring necessary

LED + Diode (DC)
K708-2PLD