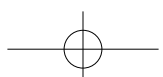


New Cube Relay

K708

KACOM | **KASYS**





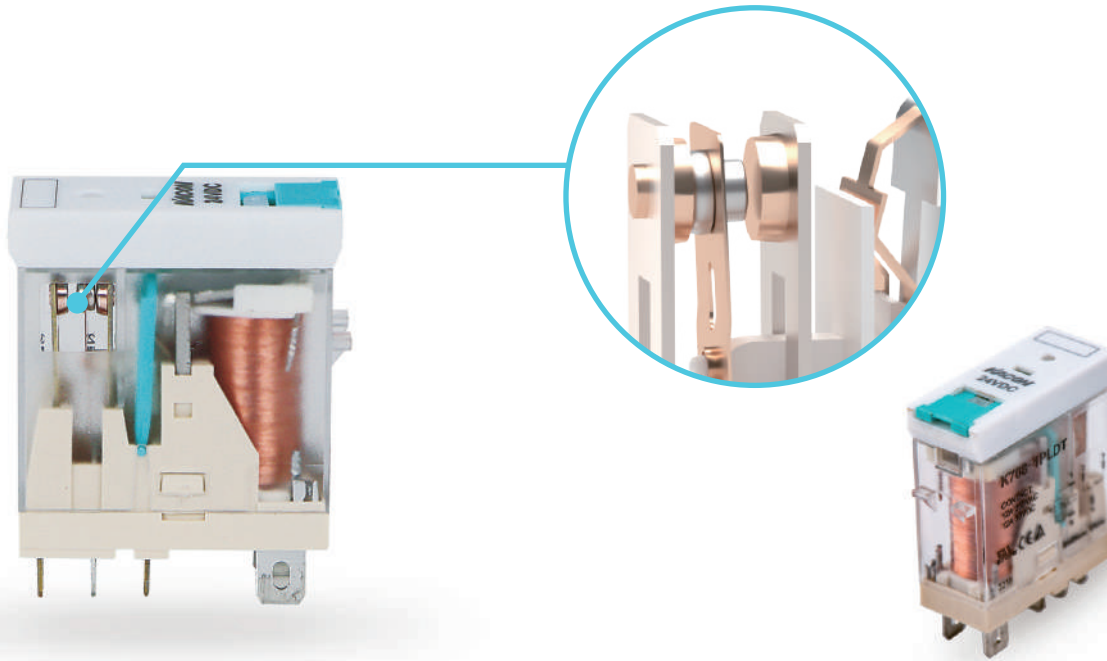
Features 특징점

New Cube 12A Interface Relay



Ag Alloy Gold plated

Ag Alloy gold plated contacts for the precise minimum current switching capacity.



DC Type



AC Type

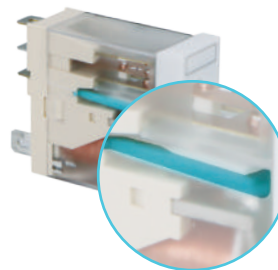


LED Indicator LED

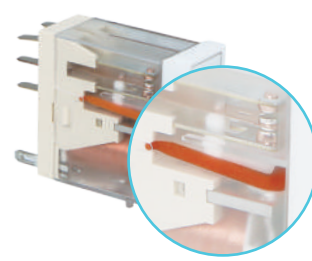
Easy operation check with LED indicator.

DC : ● AC : ●

DC Type



AC Type



Mechanical Action Indicator

Colored indicators allow visual check on the relay.

DC : ■ AC : ■

Test Button
opened
contact a

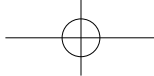
Test Button
closed
contact b



Test Button

The opened test button enables contacts to remain in the position of the a+b circuit for during a test and during for a maintenance check.

In real use, the test button has to remain closed.



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	100mA 5VDC	

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.

Coil data

	6VDC	12VDC	24VDC
Rated voltage	48VDC	110VDC	
	24VAC	110VAC	220/240VAC
Max. voltage	110% of rated voltage		
Rated power consumption²⁾	DC : 0.53W	AC : 1.0VA	
Operate voltage³⁾	DC : 75% of rated voltage		
	AC : 80% of rated voltage		
Release voltage⁴⁾	DC : 10% of rated voltage DC		
	AC : 30% of rated voltage AC		

^{2), 3), 4)} The values depend on coil voltage. All values in the chart are measured at 23°C

General data

Operate time	20ms max. at rated voltage	
Release time	10ms max. at rated voltage	
Initial insulation resistance	1,000MΩ min.(at 500VDC)	
Dielectric strength	Between open contacts	1,000Vrms 1 minute 1,000Vac
	Between adjacent poles	3,000Vrms 1 minute 3,000Vac
	Between contact points and Coil	5,000Vrms 1 minute 5,000Vac
Expected Life	Mechanical	Min. 10,000,000
	Electrical	Min. 100,000
Ambient temperature	-40 ~ +55°C with no condensing	
Ambient humidity	5% ~ 85% RH	
Mounting method	Plug in	
Weight	20g approx.	

Note: The above figures are initial values.

☞ **FA** : K708-1PL, K708-2PL, K708-1PLT, K708-2PLT.

July-August : K708-1PLD, K708-2PLD, K708-1PLDT, K708-2PLDT surge suppression diode types in process ☞ Specifications and materials can be changed without prior notice.

Part Number Description


K708	-	1	2	3	4
1 Contact Arrangement		1PL: 1C, 1a+1b	2PL: 2C, 2a+2b		
2 Option		None: LED Indicator	D: LED Indicator + surge suppression diode		
3 Function		None: Standard	T: Test Button		
4 Coil Voltage		6VDC* 24VAC*	12VDC* 110VAC*	24VDC 230VAC	48VDC* 110VDC*

* maked voltages are on demand only

Part number description is provided for reference, part number can not be arbitrarily composed. Refer to the part numbers shown in the table below. Special designs to customer specifications are possible; please contact kacon.

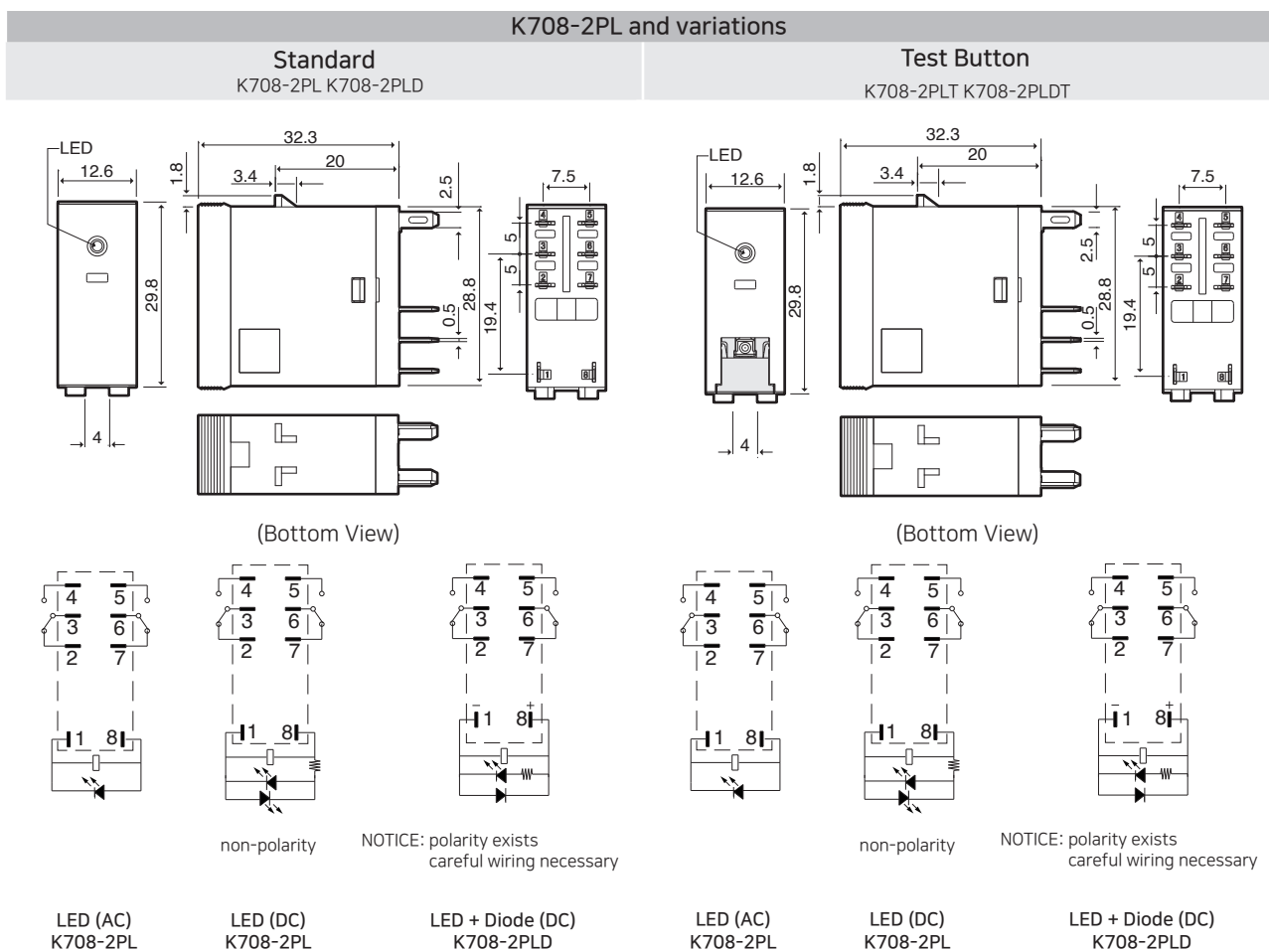
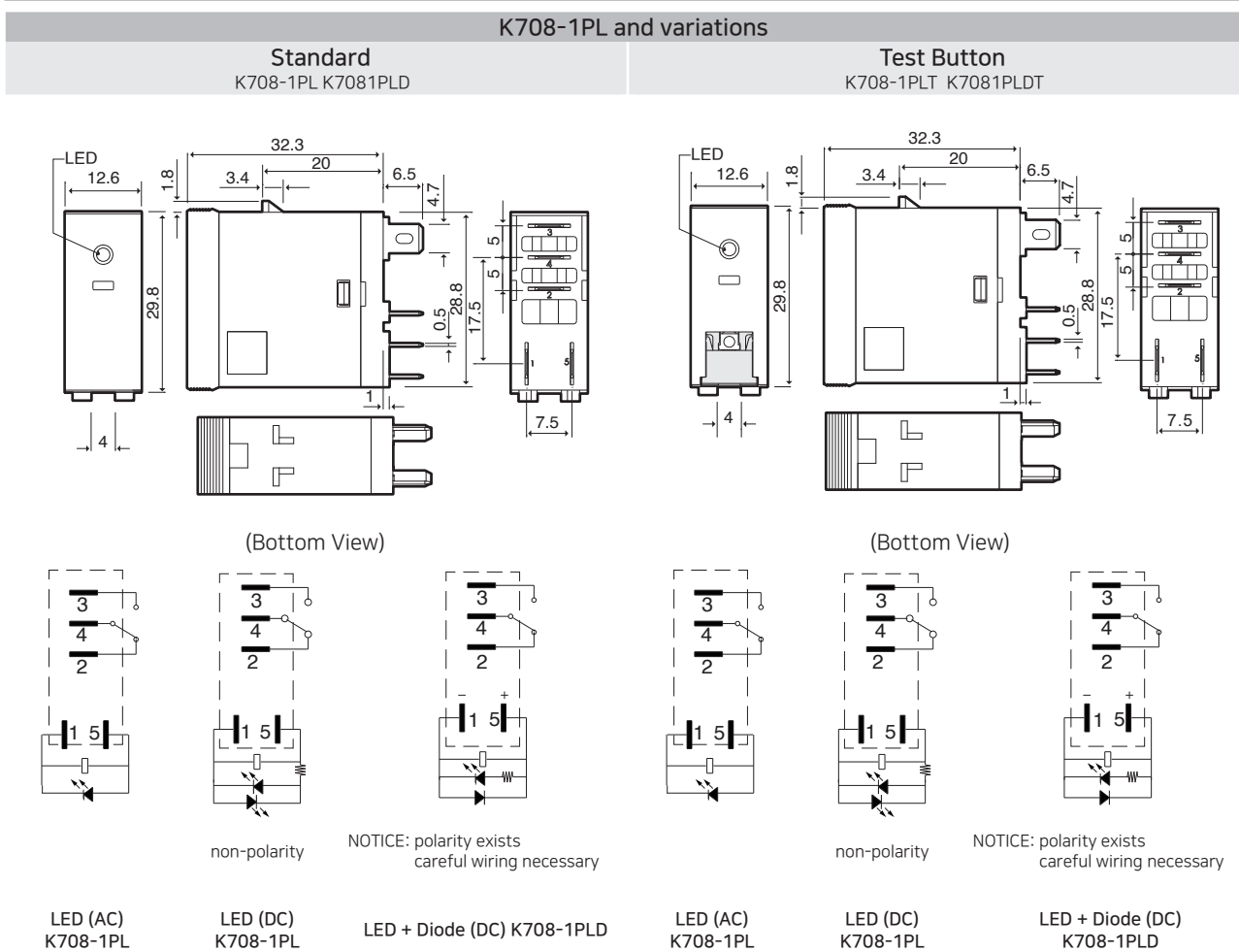
제품구분도 Product selection

Contact Arrangement	Socket	Rated Voltage	LED Indicator		LED Indicator + surge suppression diode	
			Standard	Test Button	Standard	Test Button
1 form C SPDT 1a+1b		24VAC	K708-1PL 24VAC	K708-1PLT 24VAC		
		110VAC	K708-1PL 110VAC	K708-1PLT 110VAC		
		220/240VAC	K708-1PL 230VAC	K708-1PLT 230VAC		
		6VDC	K708-1PL 6VDC	K708-1PLT 6VDC	K708-1PLD 6VDC	K708-1PLDT 6VDC
		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
		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	

Contact Arrangement	Socket	Rated Voltage	LED Indicator		LED Indicator + surge suppression diode	
			Standard	Test Button	Standard	Test Button
2 form C DPDT 2a+2b		24VAC	K708-2PL 24VAC	K708-2PLT 24VAC		
		110VAC	K708-2PL 110VAC	K708-2PLT 110VAC		
		220/240VAC	K708-2PL 230VAC	K708-2PLT 230VAC		
		6VDC	K708-2PL 6VDC	K708-2PLT 6VDC		
		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
		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	


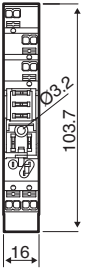
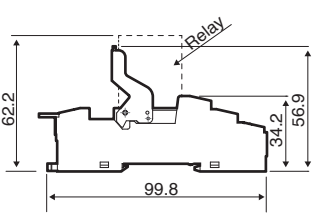

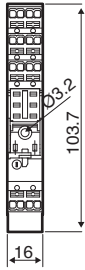
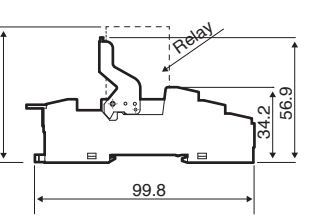

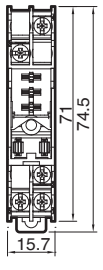
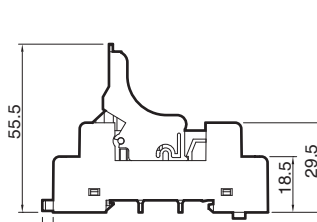

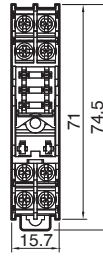
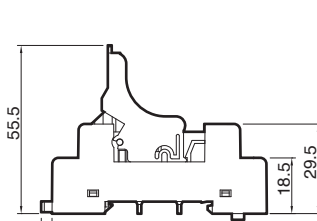

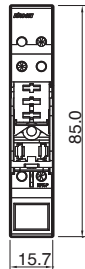
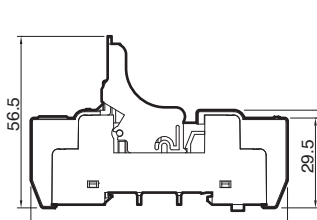

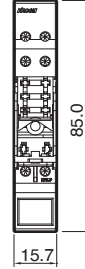
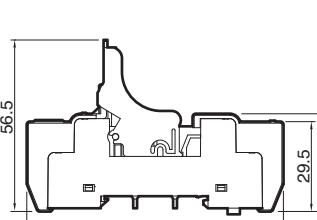


Dimension (mm) and schematic



Socket 소켓


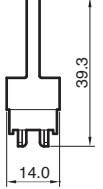
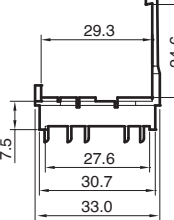
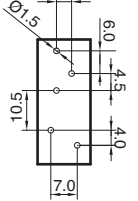
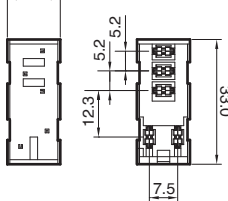

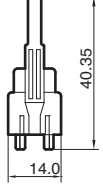
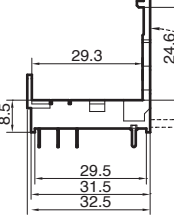
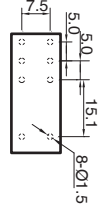
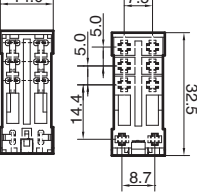


		Dimension		
 <p>KPX-05-PU</p>	Material	Body: PA6		
	Relay	K708-1PL		
	Rated Voltage	300VAC 16A		
	Dielectric Strength	2500VAC 1min.		
	Terminal bolt	Push-In Plus		
	Certification	CE, UL, ROHS		
 <p>KPX-08-PU</p>	Material	Body: PA6		
	Relay	K708-2PL		
	Rated Voltage	300VAC 10A		
	Dielectric Strength	2500VAC 1min.		
	Terminal bolt	Push-In Plus		
	Certification	CE, UL, ROHS		
 <p>KPX12</p>	Material	Body: PA66		
	Relay	K708-1PL		
	Rated Voltage	250VAC 12A MAX		
	Dielectric Strength	4.0kVrms 1min		
	Terminal bolt	M3.0		
	Certification	CE, UL, ROHS		
 <p>KPX22</p>	Material	Body: PA66		
	Relay	K708-2PL		
	Rated Voltage	250VAC 8A MAX		
	Dielectric Strength	4.0kVrms 1min		
	Terminal bolt	M3.0		
	Certification	CE, UL, ROHS		
 <p>KPX12-P</p>	Material	Body: PA66 Cover: PC		
	Relay	K708-1PL		
	Rated Voltage	250VAC 12A		
	Dielectric Strength	4.0kVrms 1min		
	Terminal bolt	M3.0		
	Certification	CE, UL, ROHS		
 <p>KPX22-P</p>	Material	Body: PA66 Cover: PC		
	Relay	K708-2PL		
	Rated Voltage	250VAC 8A MAX		
	Dielectric Strength	4.0kVrms 1min		
	Terminal bolt	M3.0		
	Certification	CE, UL, ROHS		



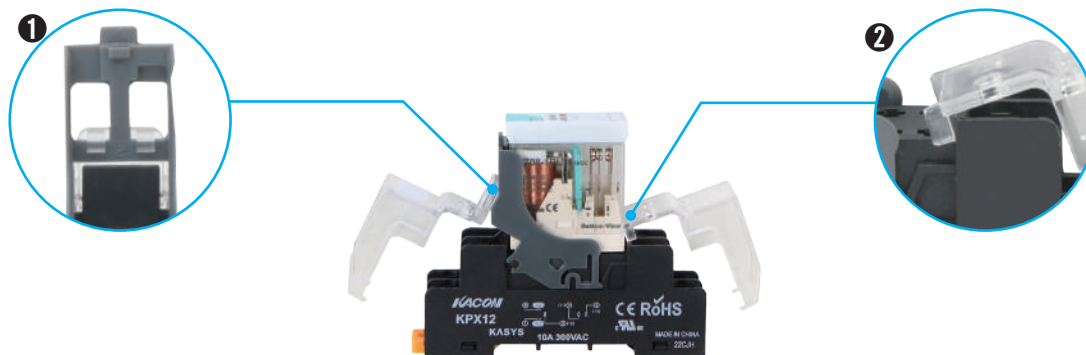
Socket 소켓



		Dimension			
 KPX13	Material	Body : PA6			
	Relay	K708-1PL			
	Rated Voltage	250VAC 16A			
	Dielectric Strength	2.5kVrms 1min			
	Terminal bolt	-			
	Certification	CE, UL			
					
 KPX23	Material	Body : PA6			
	Relay	K708-2PL			
	Rated Voltage	250VAC 12A			
	Dielectric Strength	2.5kVrms 1min			
	Terminal bolt	-			
	Certification	CE, UL			
					

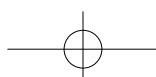
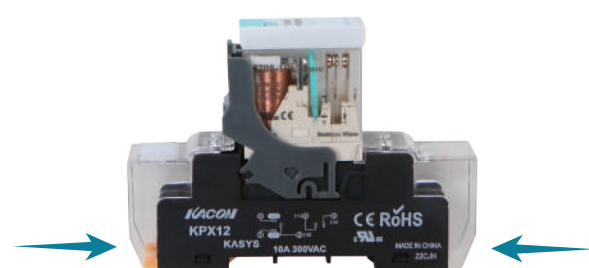
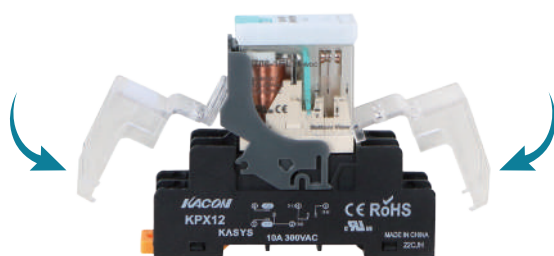
Safety protection cover installation method

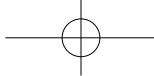
- ① Front part: After installing the relay, hang the hook of the safety protection cover on the socket hook groove.
- ② Rear part: After installing the relay, hang the hook of the safety protection cover on the protrusion of the socket.



2. When the safety cover is fully engaged, push the underside to make a 'click' sound.

3. Push the bottom part to fully engage to complete the tightening.





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