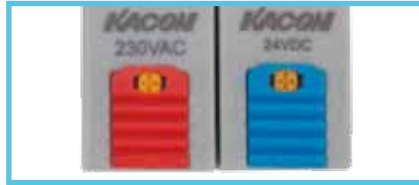


더 얇게 · 더 안전하게

슬림·컴팩트 디자인 Relay & 컬러 볼트 적용 Socket,
감전방지 안전보호커버



Test Button

- 식별이 용이

AC : Red Button

DC : Blue Button

색상 적용으로 전압구별이 용이 합니다.

- 스위치 방식의(On/Off) 구조

접점 동작 테스트 및 유지보수가 용이 합니다.

동작표시 LED(Indicator)

AC : Red / DC : Green 의 동작표시 LED가 내장되어 있어 동작 확인이 용이 합니다.



컬러 볼트 적용

전원 입력단자에 컬러 볼트를 적용하여 오배선을 방지할 수 있습니다.



접점구성

1 form C, 2 form C 접점구성.

기명판 일체형 감전방지 안전보호커버

감전방지 안전보호커버 장착으로 안전합니다.

접점 사양 Contact Ratings

접점구성 Contact Arrangement	1N/O + 1N/C	2N/O + 2N/C
접점재질 Contact Material	Ag alloy (24K Gold Plt.)	
최대정격전류 (저항부하) Maximum Rated Current (Resistance Load)	10A / 250VAC (1P 1N/O+1N/C)	5A / 250VAC (2P 2N/O+2N/C)
최대통전전류 Maximum Switching Current	10A (1P 1N/O+1N/C)	5A (2P 2N/O+ 2N/C)
최대개폐용량 Maximum Switching Capacity	3,000VA (1P 1N/O + 1N/C)	2,000VA (2P 2N/O + 2N/C)
최소 스위칭 정격 * Minimum Switching Current*	100mA 5VDC	
초기접촉저항 Initial Contact Resistance	100mΩ(1A 6VDC)	

코일 사양 Coil Ratings

전압사양 Coil Voltage	6VDC	12VDC	24VDC
	48VDC	110VDC	
소비전력 Coil Consumption	24VAC	100/110VAC	220/240VAC
	DC(W) : 0.53 AC(VA) : 1.0		
최소동작전압 Minimum Pick-up Voltage	DC : 정격 전압의 75% (75% of Nominal Voltage)		
	AC : 정격 전압의 80% (80% of Nominal Voltage)		
최대차단전압 Maximum Dropout Voltage	DC : 정격 전압의 10% (10% of Nominal Voltage DC)		
	AC : 정격 전압의 30% (30% of Nominal Voltage AC)		

일반 사양 General Ratings

동작시간 Operating Time	20ms 이하		
차단시간 Release Time	10ms / 일반형	20ms / 다이오드	
절연저항 Insulation Resistance	1,000MΩ (500VDC)		
내전압 Dielectric Strength	접점간	1,000Vrms 1분 (Between Contact Points : 1,000Vrms 1 minute)	
	이극접점간	3,000VAC 1분 (Between poles : 3,000Vrms 1 minute)	
	접점과 코일간	5,000Vrms 1분 (Between Contact Points and Coil : 5,000Vrms 1 minute)	
수명 Life Cycle	기계적 (Mechanical)	10,000,000 이상 (Min. 1,000,000)	
	전기적 (Electrical)	100,000 이상 (Min. 100,000)	
내진동 Vibration Resistant	오동작	10 ~ 55Hz (복진폭 1.5mm)	
	내구성	10 ~ 55Hz (복진폭 1.5mm)	
내충격 Shock Resistant	오동작	98 m/s ²	
	내구성	980 m/s ²	
사용주위온도 Ambient Temperature	-40 ~ +55°C (결로현상 없을 것) (with no Condensing)		
사용주위습도 Ambient Humidity	35% ~ 85% RH		

☞ 주의 : 위 수치는 초기값입니다.

☞ 사양 및 재질은 품질 향상을 위해 예고없이 변경 될 수 있습니다.

* 위에 언급된 최소 스위칭 정격은 참고 값 입니다. 참고 값은 개폐 빈도, 환경조건, 예상되는 신뢰성 수준에 따라 다양하기 때문에 제품생산 전에 실제의 부하를 가지고 확인테스트를 할 것을 권장합니다.

☞ Please refer to the attention section.

☞ Specifications and materials can be changed without prior notice for the enhancement of the quality.

* The minimum switching current is indicated as a standard value. The actual minimum switching rate is variable factor according to the make and break frequency, environmental condition and anticipated credibility level. Therefore, it is recommended that tests be done to test actual load value before the production process.

K706 형명구분도 (Part Number Description)

K706

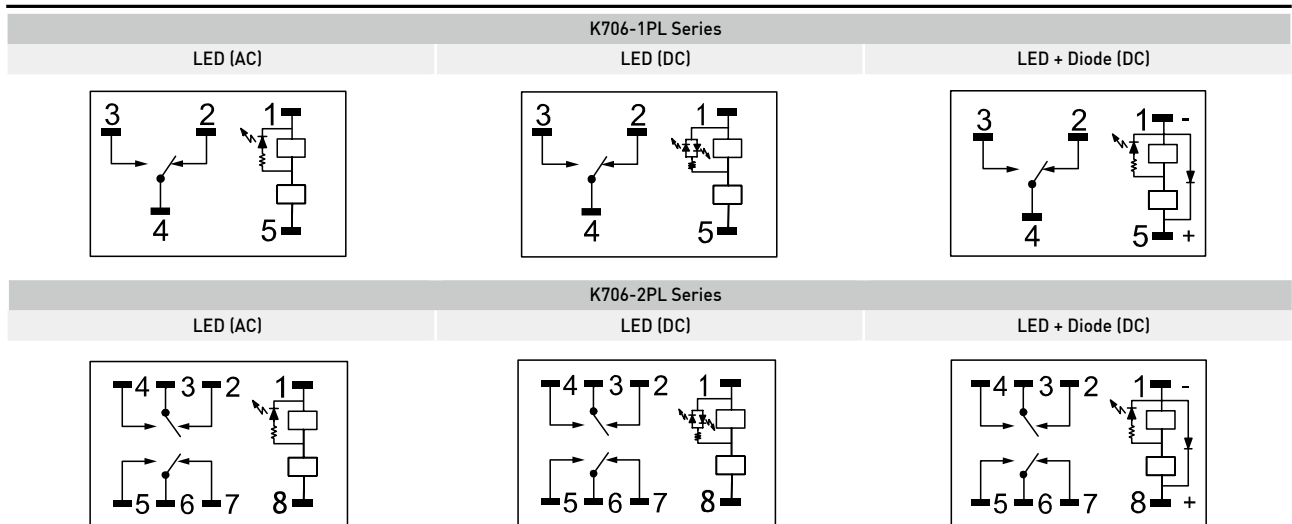
- ① ② ③ ④

① 접점구성 Contact Arrangement	1PL : 1N/O + 1N/C	2PL : 2N/O + 2N/C			
② 옵션 Option	D : Diode 장착형(DC만 해당)	무 : None			
③ 기능 Function	T : Test Button Type (AC : Red, DC : Blue)	무 : None			
④ 코일전압 Coil Voltage	6VDC 24VAC	12VDC 110VAC	24VDC 230VAC	48VDC	110VDC

제품구분도 (Product selection)

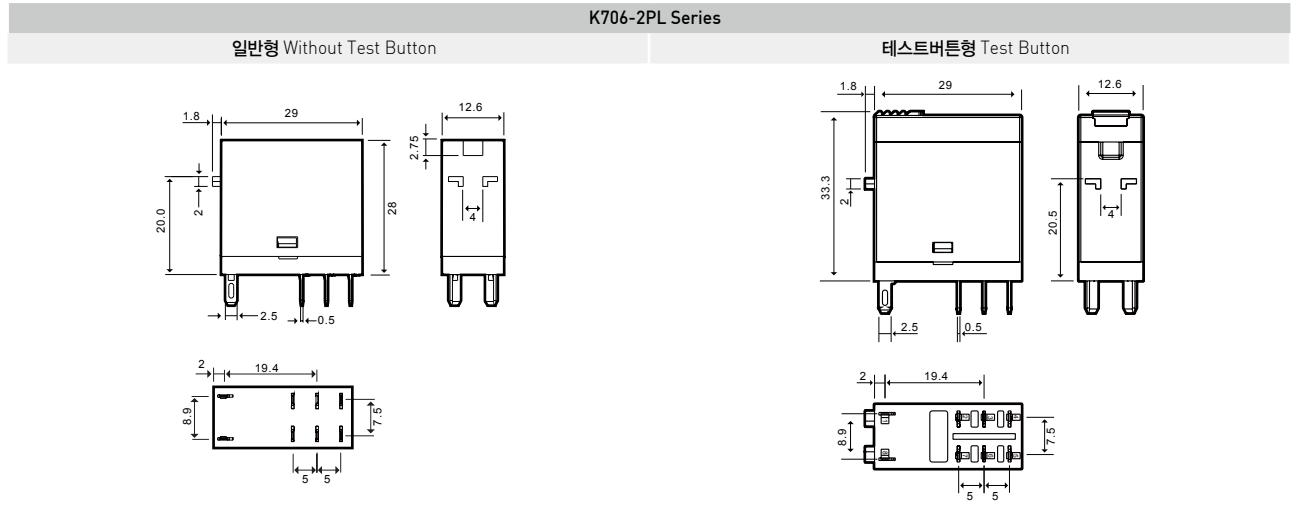
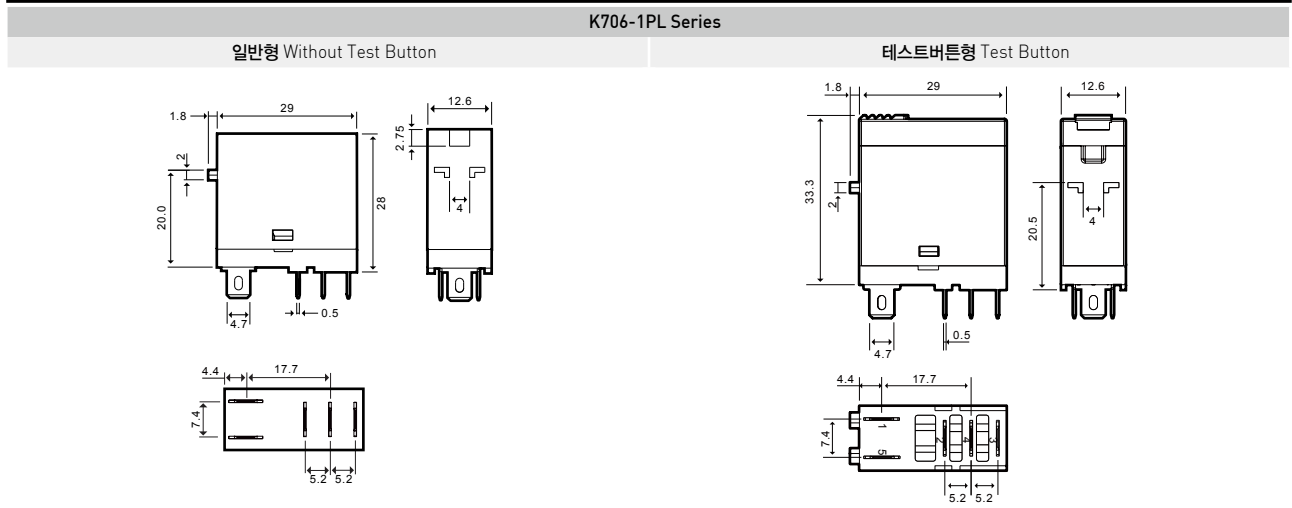
제품구분도	접점 구성 Contact Arrangement	사용 소켓 Socket	정격 전압 Rated Voltage	품명 Part Number						
				LED + 다이오드 LED + Diode		LED				
				테스트버튼형 Test Button	일반형 Without Test Button	테스트버튼형 Test Button	일반형 Without Test Button			
	1극 1 form C (1N/O + 1N/C)	KPX12 KPX12-P	24VAC			K706-1PLT 24VAC	K706-1PL 24VAC			
			100/110VAC			K706-1PLT 110VAC	K706-1PL 110VAC			
			220/240VAC			K706-1PLT 230VAC	K706-1PL 230VAC			
			6VDC	K706-1PLDT 6VDC	K706-1PLD 6VDC	K706-1PLT 6VDC	K706-1PL 6VDC			
			12VDC	K706-1PLDT 12VDC	K706-1PLD 12VDC	K706-1PLT 12VDC	K706-1PL 12VDC			
			24VDC	K706-1PLDT 24VDC	K706-1PLD 24VDC	K706-1PLT 24VDC	K706-1PL 24VDC			
			48VDC	K706-1PLDT 48VDC	K706-1PLD 48VDC	K706-1PLT 48VDC	K706-1PL 48VDC			
			110VDC	K706-1PLDT 110VDC	K706-1PLD 110VDC	K706-1PLT 110VDC	K706-1PL 110VDC			
				2극 2 form C (2N/O + 2N/C)	KPX22 KPX22-P	24VAC			K706-2PLT 24VAC	K706-2PL 24VAC
						100/110VAC			K706-2PLT 110VAC	K706-2PL 110VAC
220/240VAC						K706-2PLT 230VAC	K706-2PL 230VAC			
6VDC						K706-2PLT 6VDC	K706-2PL 6VDC			
12VDC	K706-2PLDT 12VDC	K706-2PLD 12VDC				K706-2PLT 12VDC	K706-2PL 12VDC			
24VDC	K706-2PLDT 24VDC	K706-2PLD 24VDC				K706-2PLT 24VDC	K706-2PL 24VDC			
48VDC	K706-2PLDT 48VDC	K706-2PLD 48VDC				K706-2PLT 48VDC	K706-2PL 48VDC			
110VDC	K706-2PLDT 110VDC	K706-2PLD 110VDC				K706-2PLT 110VDC	K706-2PL 110VDC			

회로도 (Wiring diagram)



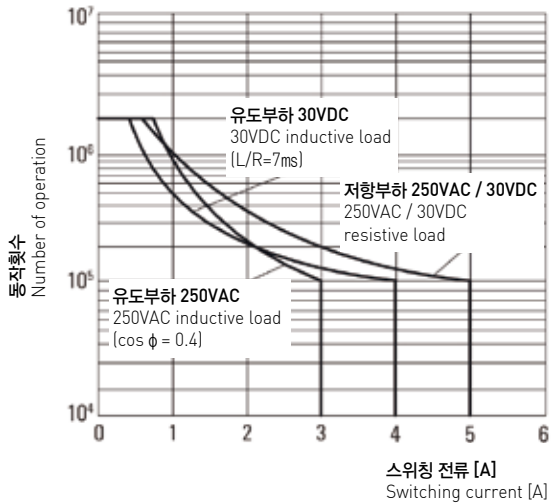
외형치수도 (Dimension)

(mm)

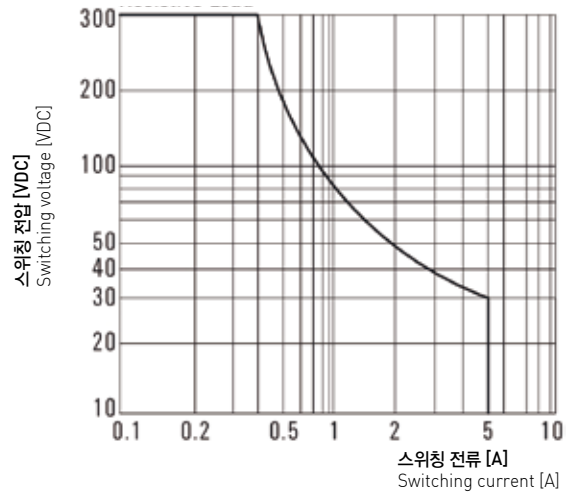


특성데이터 (Reference Data)

내구성 곡선
Life cycle curve



최대 DC 부하 개폐 용량
DC load breaking capacity

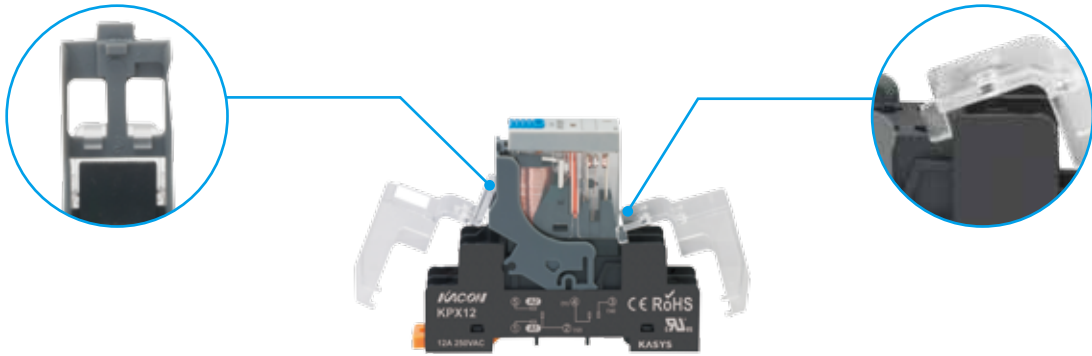




품명 Part Number	KPX12	KPX22	KPX12-P	KPX22-P
재질 Material	Body : PA66	Body : PA66	Body : PA66 / Cover : PC	Body : PA66 / Cover : PC
사용 릴레이 Relay	K706-1PL	K706-2PL	K706-1PL	K706-2PL
치수 Size (W x D x H)	15.7 x 74.5 x 55.5mm	15.7 x 74.5 x 55.5mm	15.7 x 85.0 x 56.5mm	15.7 x 85.0 x 56.5mm
정격전압 Rated Voltage	250VAC 12A MAX 690VAC	250VAC 8A MAX 690VAC	250VAC 12A MAX 690VAC	250VAC 8A MAX 690VAC
내전압 Dielectric Strength	4.0kVrms 1min	4.0kVrms 1min	4.0kVrms 1min	4.0kVrms 1min
단자부 볼트 Terminal bolt	M3.0	M3.0	M3.0	M3.0
인증 현황 Certification	CE, UL, ROHS	CE, UL, ROHS	CE, UL, ROHS	CE, UL, ROHS

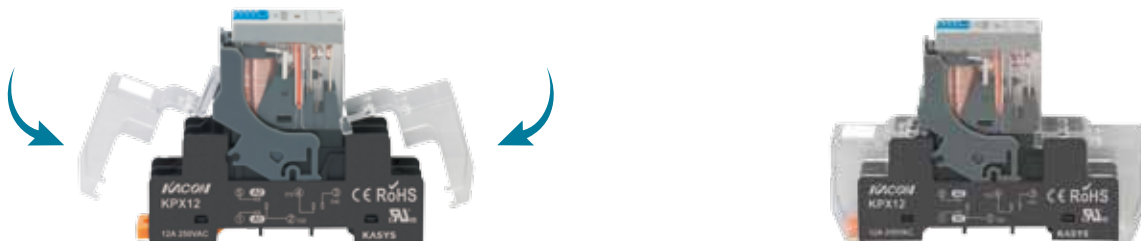
안전보호커버 장착 방법 (Safety Cover User Instructions)

- 전면부 : 릴레이 장착후 소켓 후크홈 부분에 안전보호커버의 고리 부분을 걸어 줍니다.
 - 후면부 : 릴레이 장착후 안전보호커버의 고리 부분을 소켓의 돌출부에 걸어 줍니다.
 - Front side:After relay assembled,put the cover ring on the socket hook.
 - Rear side:After relay assembled,put the cover ring on the socket convex part.




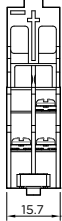
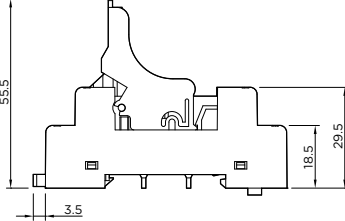
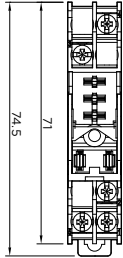

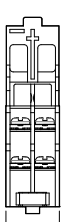
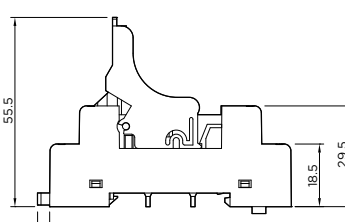
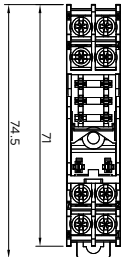

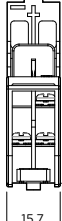
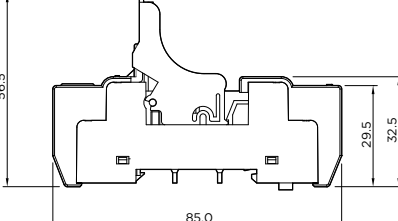
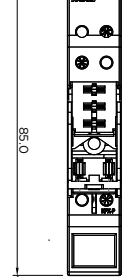

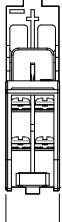
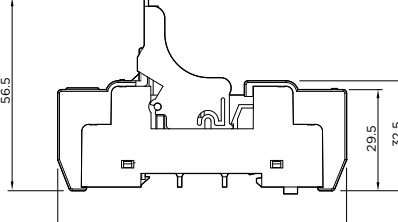
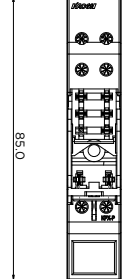
- 안전보호커버의 고리 체결이 완료되면 밑 부분을 '딸깍' 소리가 나도록 밀어 줍니다.
 - Push safety cover until the "dada" sound come .

- 하단부분이 완전히 결합되도록 밀어주어 체결을 완료 합니다.
 - Check safety cover to make lower part contact completely .



외형치수도(Dimension)

(mm)

품명 (Part Number)	외형치수 (Dimension)		
 <p data-bbox="336 595 400 622">KPX12</p>	 <p data-bbox="692 566 724 586">15.7</p>	 <p data-bbox="823 443 839 477">55.5</p> <p data-bbox="887 555 911 586">3.5</p> <p data-bbox="839 510 863 544">18.5</p> <p data-bbox="839 555 863 586">29.5</p>	 <p data-bbox="1369 360 1393 383">COM</p> <p data-bbox="1369 394 1393 416">NO</p> <p data-bbox="1369 528 1393 551">NC</p> <p data-bbox="1369 562 1393 584">COIL</p> <p data-bbox="1254 443 1270 477">74.5</p> <p data-bbox="1254 465 1270 499">71</p>
 <p data-bbox="336 954 400 981">KPX22</p>	 <p data-bbox="692 925 724 945">15.7</p>	 <p data-bbox="823 801 839 835">55.5</p> <p data-bbox="887 936 911 967">3.5</p> <p data-bbox="839 891 863 925">18.5</p> <p data-bbox="839 936 863 967">29.5</p>	 <p data-bbox="1369 719 1393 741">COM</p> <p data-bbox="1369 752 1393 775">NO</p> <p data-bbox="1369 909 1393 931">NC</p> <p data-bbox="1369 943 1393 965">COIL</p> <p data-bbox="1254 801 1270 835">74.5</p> <p data-bbox="1254 824 1270 857">71</p>
 <p data-bbox="325 1312 405 1339">KPX12-P</p>	 <p data-bbox="692 1283 724 1303">15.7</p>	 <p data-bbox="791 1160 807 1193">56.5</p> <p data-bbox="887 1294 911 1326">3.5</p> <p data-bbox="839 1249 863 1283">29.5</p> <p data-bbox="839 1294 863 1326">32.5</p> <p data-bbox="839 1303 863 1337">85.0</p>	 <p data-bbox="1369 1077 1393 1099">COM</p> <p data-bbox="1369 1111 1393 1133">NO</p> <p data-bbox="1369 1245 1393 1267">NC</p> <p data-bbox="1369 1279 1393 1301">COIL</p> <p data-bbox="1254 1160 1270 1193">85.0</p>
 <p data-bbox="325 1671 405 1697">KPX22-P</p>	 <p data-bbox="692 1641 724 1662">15.7</p>	 <p data-bbox="791 1518 807 1552">56.5</p> <p data-bbox="887 1653 911 1684">3.5</p> <p data-bbox="839 1608 863 1641">29.5</p> <p data-bbox="839 1653 863 1684">32.5</p> <p data-bbox="839 1662 863 1695">85.0</p>	 <p data-bbox="1369 1435 1393 1458">COM</p> <p data-bbox="1369 1469 1393 1491">NO</p> <p data-bbox="1369 1626 1393 1648">NC</p> <p data-bbox="1369 1659 1393 1682">COIL</p> <p data-bbox="1254 1541 1270 1574">85.0</p>