



### Features

- 10 A switching capability
- 1 Form A configurations
- Plastic sealed and flux proofed types available
- Environmental friendly product(RoHS compliant)
- UL insulation system: Class F

### Typical Applications

Home Appliances, Air-conditioning, Industrial control

## CHARACTERISTICS

Contact arrangement	1A		Contact rating (Resistance load)	2F:5A 250VAC/30VDC
Contact material	Ag alloy			2F-L:3A 250VAC/30VDC
Contact resistance	100mΩ(1A 6VDC)			2FH:10A 250VAC/30VDC
Electrical life	1×10 <sup>5</sup> ops			2FH-L:8A 250VAC/30VDC
Mechanical life	1×10 <sup>7</sup> ops		Operate time	Sensitive:Max.:15ms
Max. switching current	10A			Standard:Max.:10ms
Max. switching voltage	265VAC/30VDC		Release time	Max.:4ms
Max. switching power	2F:1200VA, 150W		Ambient temp.	Standard: -40℃~ +85℃
	2F-L:720VA, 90W			Sensitive: -40℃~+105℃
	2FH:2500VA, 280W		Humidity	20~85%RH
	2FH-L:1800VA, 200W			Shock resistance
Insulation resistance	1000MΩ,500VDC		Destructive 100G	
Dielectric strength	Coil & contacts	A: 4000VAC 1min	Vibration resistance	1.5mmD.A., 10Hz to 55Hz
		B: 3000VAC 1min		Termination
	Open contacts	750VAC 1min		

## COIL DATA

20℃

### Standard type (450mV)

Coil voltage	Nominal Voltage VDC	Nominal Current mA	Coil Resistance Ω±10%	Pick-up Voltage VDC	Drop-out Voltage VDC	Coil Power W	Max. Allowable Overdrive VDC
005	5	90.9	55	3.75	0.25	0.45	130% Nominal Voltage
006	6	75.0	80	4.5	0.3		
009	9	50.0	180	6.75	0.45		
012	12	37.5	320	9	0.6		
024	24	18.8	1280	18	1.2		
048	48	9.4	5100	36	2.4		

Sensitive type (200mV)

Coil voltage	Nominal Voltage VDC	Nominal Current mA	Coil Resistance $\Omega \pm 10\%$	Pick-up Voltage VDC	Drop-out Voltage VDC	Coil Power W	Max. Allowable Overdrive VDC
005	5	40.0	125	3.75	0.25	0.2	130% Nominal Voltage
006	6	33.3	180	4.5	0.3		
009	9	22.2	405	6.75	0.45		
012	12	16.7	720	9	0.6		
024	24	8.6	2800	18	1.2		

ORDERING INFORMATION

	<b>LKK 2F/</b>	<b>012</b>	<b>1H</b>	<b>S</b>	<b>L</b>	<b>1</b>	<b>E</b>	<b>F</b>	<b>XXX</b>
<b>Relay Type</b>	2F:Standard 2FH:High Capacity								
<b>Coil Voltage</b>	5,6,9,12,18,24,48VDC								
<b>Contact Arrangement</b>	1H: 1 Form A								
<b>Construction</b>	S:Plastic sealed Nil:Flux Proofed								
<b>Coil Power</b>	L:Sensitive Nil:Standard								
<b>Contact Material</b>	Nil:AgNi 1: AgCdO 2: AgSnO <sub>2</sub>								
<b>Dielectric Strength</b>	Nil:Class A(4000VAC) E:Class B(3000VAC)								
<b>Insulation Class</b>	Nil: A(105°C) F: F(155°C)								
<b>Customer Special Code:</b>									

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

