



Relays & Solenoids

NAIS_PCB Relays

Detailed product specifications are available on: us.100y.com.tw



FEATURES

1. High switching capacity: 10 A 277V AC
2. High insulation resistance between contact and coil
 - 1) Creepage distance and clearances between contact and coil: Min. 6 mm .236 inch (In compliance with IEC65)
 - 2) Surge withstand voltage between contact and coil: 10,000 V or more
3. High noise immunity realized by the card separation structure between contact and coil

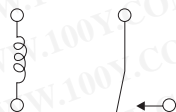
4. Popular terminal pitch in AV equipment field
5. Space-saving slim type
Base area: Width 11 × Length 24 mm
Width .433 × Length .945 inch
6. Conforms to the various safety standards
UL/CSA, VDE, TÜV and SEMKO, SEV approved



TYPICAL APPLICATIONS

- Audio visual equipment TVs, VTRs
- Office equipment LBP, CRT
- Home appliances Refrigerator, Air conditioner

Schematic (Bottom view)



SPECIFICATIONS

Contact		1 Form A
Arrangement		1 Form A
Initial contact resistance, max. (By voltage drop 6 V DC 1 A)		Max. 100 mΩ
Contact material		AgSnO ₂ type
Rating (resistive load)	Nominal switching capacity	10 A 277 V AC, 5 A 30V DC
	Max. switching power	2,770 VA, 150W
	Max. switching voltage	277 V AC, 30 V DC
	Max. switching current	10 A (AC), 5A (DC)
Min. switching capacity ^{#1}		100 mA, 5 V DC

Characteristics

Max. operating speed		20 cpm (at rated load)
Initial insulation resistance* ¹		Min. 1,000 MΩ (at 500 V DC)
Shock resistance	Functional* ⁵	Min. 200 m/s ² {approx. 20 G}
	Destructive* ⁶	Min. 1,000 m/s ² {approx. 100 G}
Vibration resistance	Functional* ⁷	10 to 55Hz at double amplitude of 1.5mm
	Destructive	10 to 55Hz at double amplitude of 1.5mm
Unit weight		Approx. 12 g .42 oz

Coil

Nominal operating power	530 mW
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Part No.	Product No.	Manufacturer	Description	Coil Voltage	Type
46969	LKP1aF-12V	NAIS	10 A SLIM POWER RELAY	12V	LK-P



FEATURES

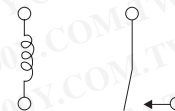
1. High sensitivity: 250mW
The power-saving relay is highly sensitive at the nominal operating power of 250 mW (530 mW power consumption on LK relays).
2. High insulation resistance between contact and coil
 - 1) Creepage distance and clearances between contact and coil: Min. 6 mm .236 inch (In compliance with IEC65)
 - 2) Surge withstand voltage between contact and coil: 10,000 V or more
3. High noise immunity realized by the card separation structure between contact and coil

4. Popular terminal pitch in AV equipment field
5. Space-saving slim type
Base area: Width 11 × Length 24 mm
Width .433 × Length .945 inch
6. Conforms to the various safety standards
UL/CSA, VDE, TÜV and SEMKO SEV approved

TYPICAL APPLICATIONS

- Audio visual equipment
- Office equipment
- Home appliances

Schematic (Bottom view)



SPECIFICATIONS

Contact		1 Form A
Arrangement		1 Form A
Initial contact resistance, max. (By voltage drop 6 V DC 1 A)		Max. 100 mΩ
Contact material		AgSnO ₂ type
Rating (resistive load)	Nominal switching capacity	5 A 277 V AC, 1.385 VA
	Max. switching power	277 V AC
	Max. switching voltage	5 A (AC)
	Max. switching current	100 mA, 5 V DC
Min. switching capacity ^{#1}		100 mA, 5 V DC

Characteristics

Max. operating speed		20 cpm (at rated load)
Initial insulation resistance* ¹		Min. 1,000 MΩ (at 500 V DC)
Shock resistance	Functional* ⁵	Min. 200 m/s ² {approx. 20 G}
	Destructive* ⁶	Min. 1,000 m/s ² {approx. 100 G}
Vibration resistance	Functional* ⁷	10 to 55Hz at double amplitude of 1.5mm
	Destructive	10 to 55Hz at double amplitude of 1.5mm
Unit weight		Approx. 12 g .42 oz

Coil

Nominal operating power	250 mW
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Part No.	Product No.	Manufacturer	Description	Coil Voltage	Type
46966	LKS1aF-12V	NAIS	250 mW SLIM POWER RELAY	12V	LK-S RELAYS



FEATURES

- Space saver — Flat series and vertical series
- High contact reliability due to bifurcated contacts — 2C: 5 A 250 V AC, 4C: 5 A 125 V AC, 4 A 250 V AC
- Latching types available
- Low operating power — 2C: 200 mW, 4C: 400 mW (Single side stable)
- Soldering flux inflow prevented by terminal location
- Amber sealed types available
- High breakdown voltage for transient protection — 1,000 Vrms between open contacts, contact sets

TYPICAL APPLICATIONS

Use NC Relays for power control up to 5 A or —Tape recorders, temperature controls, video tape recordersTelecommunications equipment, measuring controls, copiersDate processing equipment, computer peripheralsAutomatic vendors, copiers, automatic storage controls, N.C. Machines

