



Relays & Solenoids

NAIS_PCB Relays

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



SPECIFICATIONS

Contacts

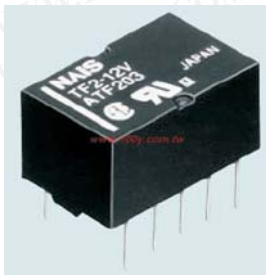
Arrangement	1 Form A 1 Form B 2 Form A	
Contact material	Gold flash over silver alloy	
Initial contact resistance, max.	30 mΩ	
Rating (resistive)	Max. switching power	2,000 VA, 150 W
	Max. switching voltage	380 V AC, 30 V DC
	Max. switching current	8 A



Characteristics (at 25 °C 77 ° F 50% Relative humidity)

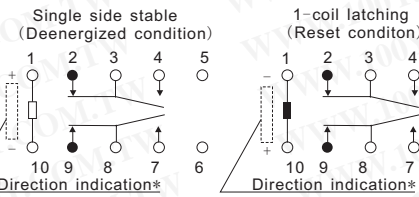
Max. operating speed	20 cpm (at rated load)	
Initial insulation resistance* ¹	1,000 MΩ (at 500 V DC)	
Shock resistance	Functional* ⁵	Min. 196 m/s ² {20 G}
	Destructive* ⁶	Min. 980 m/s ² {100 G}
Vibration resistance	Functional* ⁷	117.6 m/s ² {12 G}, 10 to 55 Hz at double amplitude of 2 mm
	Destructive	176.4 m/s ² {18 G}, 10 to 55 Hz at double amplitude of 3 mm
Unit weight	Approx. 10g .353 oz	

Part No.	Product No.	Manufacturer	Description	Contact Arrangement	Contact Rating	Coil Voltage	Recognized Safety	Outline L*W*H	Type
36754	ST1-DC12V	NAIS	PCB Relays	8A	380V-AC1	12VDC	UL,VDE,CSA	30*9*11mm	ST1
12954	ST1-DC24V	NAIS	PCB Relays	8A	380V-AC1	24VDC	UL,VDE,CSA	30*9*11mm	ST1
36748	ST1-DC3V	NAIS	PCB Relays	8A	380V-AC1	3VDC	UL,VDE,CSA	30*9*11mm	ST1
36756	ST1-DC48V	NAIS	PCB Relays	8A	380V-AC1	48VDC	UL,VDE,CSA	30*9*11mm	ST1
36749	ST1-DC5V	NAIS	PCB Relays	8A	380V-AC1	5VDC	UL,VDE,CSA	30*9*11mm	ST1
36750	ST1-DC6V	NAIS	PCB Relays	8A	380V-AC1	6VDC	UL,VDE,CSA	30*9*11mm	ST1
36752	ST1-DC9V	NAIS	PCB Relays	8A	380V-AC1	9VDC	UL,VDE,CSA	30*9*11mm	ST1
47954	ST2-1.5V	NAIS	NAIS_PCB Relays	2 Form A		1.5V	UL,VDE,CSA	30*9*11mm	ST2

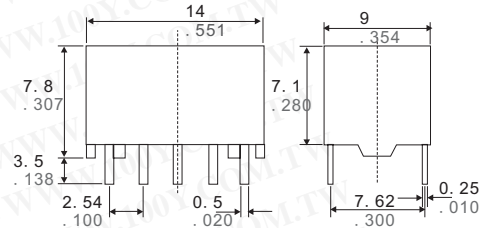
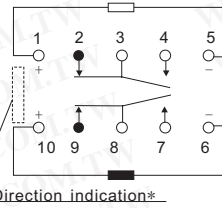


FEATURES

- **High sensitivity:**
80mW nominal operating power (single side stable 3-12V type)
- **Surge voltage withstand: 1500V FCC Part 68**
- **Minimal magnetic interference allows high density mounting**
- **Sealed construction allows automatic cleaning**
- **Self-clinching terminal also available**



2-coil latching (Reset condition)



Standard PC board terminal



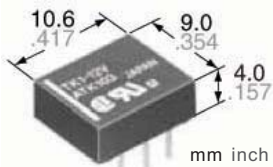
SPECIFICATIONS

Contacts

Arrangement	2 Form C	
Initial contact resistance, max. (By voltage drop 6V DC 1A)	50mΩ	
Contact material	Gold-clad silver	
Rating	Nominal switching capacity (resistance load)	1A 30V DC, 0.5A 125V AC
	Max. switching power (resistive load)	30W, 62.5VA
	Max. switching voltage	110V DC, 125V AC
	Max. switching current	1A
	Min. switching capacity* ¹	10 μA 10mV DC

Initial insulation resistance* ¹	Min. 1,000MΩ(at 500V DC)	
Shock resistance	Functional* ⁵	Min. 490m/s ² {50G}
	Destructive* ⁶	Min. 980m/s ² {100G}
Vibration resistance	Functional* ⁷	176.4m/s ² {18G}, 10 to 55Hz at double amplitude of 3mm
	Destructive	294m/s ² {30G}, 10 to 55Hz at double amplitude of 5mm
Unit weight	Approx. 2g .071 oz	

Part No.	Product No.	Manufacturer	Description	Coil Voltage	Type
35806	TF24-24V	NAIS	SMALL POLARIZED RELAY WITH HIGH SENSITIVITY	24V	TF



FEATURES

- **Low profile 4 mm .157 inch height**
- **High contact capacity: 2 A**
- **Surge withstand voltage between contact and coil: 2,500 V (Telcordia)**

SPECIFICATIONS

Contacts

Arrangement	1 Form C	
Initial contact resistance, max. (By voltage drop 6 V DC 1 A)	50 mΩ	
Contact material	Gold-clad silver	
Rating	Nominal switching capacity (resistive load)	2 A 30 V DC
	Max. Switching power (resistive load)	60 W
	Max. switching voltage	220 V DC
	Max. switching current	2 A
	Min. switching capacity (Reference value)* ¹	10 μA 10 mV DC

Initial insulation resistance* ¹	Min. 1,000 MΩ (at 500 V DC)	
Initial breakdown voltage	Between open contacts	750 Vrms for 1 min. (Detection current: 10 mA)
	Between contact and coil	1,500 Vrms for 1 min. (Detection current: 10 mA)
Shock resistance	Functional* ⁵	Min. 750 m/s ² {75 G}
	Destructive* ⁶	Min. 1,000 m/s ² {100 G}
Vibration resistance	Functional* ⁷	196 m/s ² {20G}, 10 to 55 Hz at double amplitude of 3.3 mm
	Destructive	294 m/s ² {30G}, 10 to 55 Hz at double amplitude of 5 mm
Unit weight	Approx. 1 g .035 oz.	

Part No.	Product No.	Manufacturer	Description	Coil Voltage	Type
46917	TK1-L2-H-5V	NAIS	ULTRA LOW PROFILE 2 A POLARIZED RELAY	5V	TK

