

Relays & Solenoids

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

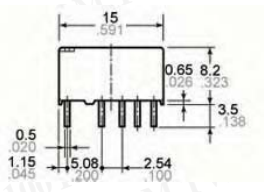
NAIS_PCB Relays



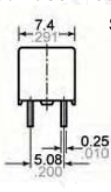
FEATURES

- Breakdown voltage between contacts and coil: 2,000 V
- Surge withstand between contacts and coil: 2,500 V
- High contact capacity: 2 A 30 V DC
- Surface-mount type available

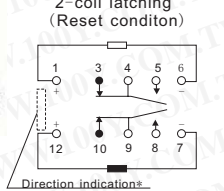
Coil latching type



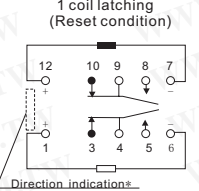
Standard PC board terminal



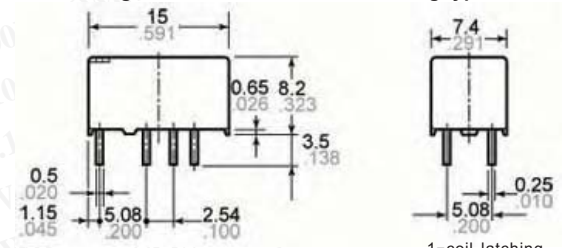
Schematic (Bottom view) 2-coil latching (Reset condition)



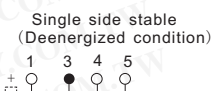
Schematic (Top view) 1 coil latching (Reset condition)



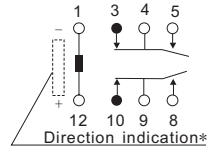
Single side stable and 1 coil latching type



Schematic (Bottom view) Single side stable (Deenergized condition)



1-coil latching (Reset condition)

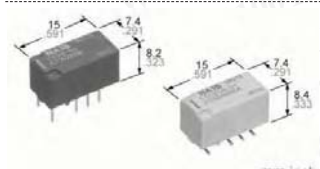


SPECIFICATIONS

Contact		2 Form C
Arrangement		2 Form C
Initial contact resistance, max. (By voltage drop 6 V DC 1 A)		100 mΩ
Contact material		Gold-clad silver alloy
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 * 1	10 μA 10 mV DC

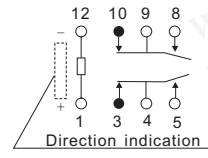
Characteristics		
Initial insulation resistance* ¹	Functional* ⁵	Min. 1,000 MΩ (at 500 V DC)
	Destructive* ⁶	Min. 750 m/s ² {75 G}
Shock resistance	Functional* ⁵	Min. 1,000 m/s ² {100 G}
	Destructive* ⁶	Min. 1,000 m/s ² {100 G}
Vibration resistance	Functional* ⁷	196 m/s ² {20 G}, 10 to 55 Hz at double amplitude of 3.3 mm
	Destructive	294 m/s ² {30G}, 10 to 55 Hz at double amplitude of 5 mm
Unit weight		Approx. 2 g .071 oz

Part No.	Product No.	Manufacturer	Description	Contact Arrangement	Contact Rating	Coil Voltage	Recognized Safety	Outline L*W*H	Type
36679	TX2-DC1.5V	NAIS	PCB Relay	2 Form C	2A/30VDC 0.3A/110VAC	1.5VDC	UL, CSA	15*7.4*8.2mm	TX2
14543	TX2-DC12V	NAIS	PCB Relay	2 Form C	2A/30VDC 0.3A/110VAC	12VDC	UL, CSA	15*7.4*8.2mm	TX2
36685	TX2-DC24V	NAIS	PCB Relay	2 Form C	2A/30VDC 0.3A/110VAC	24VDC	UL, CSA	15*7.4*8.2mm	TX2
36680	TX2-DC3V	NAIS	PCB Relay	2 Form C	2A/30VDC 0.3A/110VAC	3VDC	UL, CSA	15*7.4*8.2mm	TX2
36681	TX2-DC4.5V	NAIS	PCB Relay	2 Form C	2A/30VDC 0.3A/110VAC	4.5VDC	UL, CSA	15*7.4*8.2mm	TX2
36682	TX2-DC5V	NAIS	PCB Relay	2 Form C	2A/30VDC 0.3A/110VAC	5VDC	UL, CSA	15*7.4*8.2mm	TX2
36683	TX2-DC6V	NAIS	PCB Relay	2 Form C	2A/30VDC 0.3A/110VAC	6VDC	UL, CSA	15*7.4*8.2mm	TX2
36684	TX2-DC9V	NAIS	PCB Relay	2 Form C	2A/30VDC 0.3A/110VAC	9VDC	UL, CSA	15*7.4*8.2mm	TX2

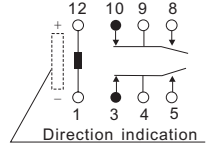


Schematic (Top view)

Single side stable (Deenergized condition)



1 coil latching (Reset condition)



SA type Surface-mount terminal

FEATURES

- Approved to the supplementary insulation class in the EN standards (En41003).
- The insulation distance between the contact and coil meet the supplementary insulation class of the EN41003 standards as required for equipment connected to the telephone lines in Europe.
- Satisfies the following conditions:
 - Clearances: 2.0 mm .079 inch or more
 - Creepage distance: 2.5 mm .098 inch or more
- 2,000 V breakdown voltage between contact and coil.
- The body block construction of the coil that is molded by plastic offers a high breakdown voltage of 2,000 V between contact and coil, and 1,000 V between open contacts.

Contact		2 Form C
Arrangement		2 Form C
Initial contact resistance, max. (By voltage drop 6 V DC 1 A)		100 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 * 1	10 μA 10 mV DC
Nominal operating power	Single side stable	200 mW (1.5 to 12 V DC) 230 mW (24 V DC)
	1 coil latching	150 mW (1.5 to 12 V DC) 170 mW (24 V DC)

- Outstanding surge resistance. Surge withstand between open contacts: 1,500 V 10x160 μ sec. (FCC part 68) Surge withstand between contact and coil: 2,500 V 2x10 μsec. (Bellcore)
- High sensitivity 200 mW.
- High contact capacity: 2 A 30 V DC (Standard type)
- Surface-mount type also available.
- M.B.B. type also available
- The use of gold-clad twin crossbar contacts ensures high contact reliability.
- Outstanding vibration and shock resistance. Functional shock resistance: 750 m/s² {75G} Destructive shock resistance: 1,000 m/s² {100G} Functional vibration resistance: 10 to 55 Hz (at double amplitude of 3.3 mm .130 inch) Destructive vibration resistance: 10 to 55 Hz (at double amplitude of 5 mm .197 inch)
- Sealed construction allows automatic washing.

Characteristics		
Initial insulation resistance* ¹	Functional* ⁵	Min. 1,000 MΩ (at 500 V DC)
	Destructive* ⁹	Min. 750 m/s ² {75 G}
Shock resistance	Functional* ⁵	Min. 1,000 m/s ² {100 G}
	Destructive* ⁹	Min. 1,000 m/s ² {100 G}
Vibration resistance	Functional* ¹⁰	10 to 55 Hz at double amplitude of 3.3 mm
	Destructive	10 to 55 Hz at double amplitude of 5 mm
Unit weight		Approx. 2 g .071 oz.

Part No.	Product No.	Manufacturer	Description	Contact Arrangement	Contact Rating	Coil Voltage	Outline L*W*H	Type
36666	TXD2SA-1.5V-Z	NAIS	HIGH INSULATION RELAY	2 Form C	2A 30VDC	1.5VDC	15*7.4*8.2mm	Standard surface-mount terminal
36677	TXD2SA-12V-Z	NAIS	HIGH INSULATION RELAY	2 Form C	2A 30VDC	12VDC	15*7.4*8.2mm	Standard surface-mount terminal
36678	TXD2SA-24V-Z	NAIS	HIGH INSULATION RELAY	2 Form C	2A 30VDC	24VDC	15*7.4*8.2mm	HIGH INSULATION RELAY
36668	TXD2SA-3V-Z	NAIS	HIGH INSULATION RELAY	2 Form C	2A 30VDC	3VDC	15*7.4*8.2mm	Standard surface-mount terminal
36669	TXD2SA-4.5V-Z	NAIS	HIGH INSULATION RELAY	2 Form C	2A 30VDC	4.5VDC	15*7.4*8.2mm	Standard surface-mount terminal
23134	TXD2SA-5V-Z	NAIS	HIGH INSULATION RELAY	2 Form C	2A 30VDC	5VDC	15*7.4*8.2mm	Standard surface-mount terminal
36674	TXD2SA-6V-Z	NAIS	HIGH INSULATION RELAY	2 Form C	2A 30VDC	6VDC	15*7.4*8.2mm	Standard surface-mount terminal
36676	TXD2SA-9V-Z	NAIS	HIGH INSULATION RELAY	2 Form C	2A 30VDC	9VDC	15*7.4*8.2mm	Standard surface-mount terminal



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