



Relays & Solenoids

Matsushita_PCB Relays

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



FEATURES

- Sealed to meet the combination pro-cess of automatic wave soldering and cleaning needs
- Latching types available
- High switching capacity and high sensitivity in subminiature size 150 mW pick-up, 8 A inrush capacity: 51 A for 1a1b, 35 A for 2a
- High shock and vibration resistance Shock: 20 G, Vibration: 10 to 55 Hz at double amplitude of 2 mm

SPECIFICATIONS

Contacts

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

Inrush current capability: 51 A (TV-3 equivalence) for 1a1b
35 A (TV-1 equivalence) for 2a

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)

Temperature rise (at 60 ° C): Max. 55 ° C with nominal coil

voltage and at 8 A switching current

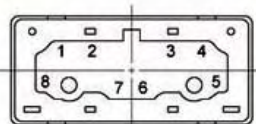
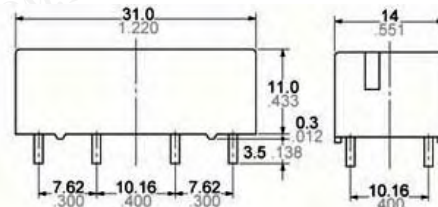
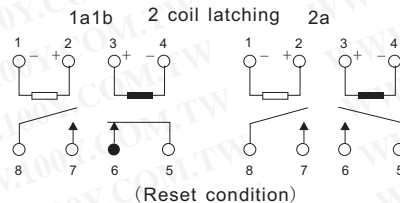
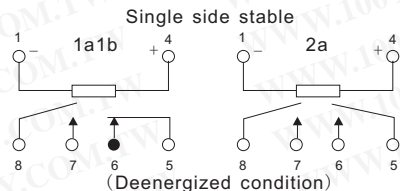
Unit weight: Approx. 10g .353 oz

Initial breakdown voltage* 2

Between contact sets: 2,000 Vrms

Between open contacts: 1,200 Vrms

Between contacts and coil: 3,750 Vrms



Surge voltage between coil and contact* 3: Min. 6,000 V

Operate time* 4 (at nominal voltage): Max. 15 ms (Approx. 10 ms)

Release time (without diode)* 4 (at nominal voltage): Max. 10 ms (Approx. 8 ms)

Set time* 4 (latching) (at nominal voltage): Max. 10 ms (Approx. 8 ms)

Reset time* 4 (latching) (at nominal voltage): Max. 10 ms (Approx. 8 ms)

Part No.	Product No.	Manufacturer	Description	Outline L*W*H	Contact Arrangeme nt	Contact Rating	Coil Voltage	Recognized Safety	Type
30472	ST1-DC12V	MATSUSHITA	ST-RELAYS	31*14*11.3mm	1 Form A, 1 Form B	380VAC,30VDC,8A	DC12V	VDE,CSA	ST

TTI_PCB Relays

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



MAIN FEATURES

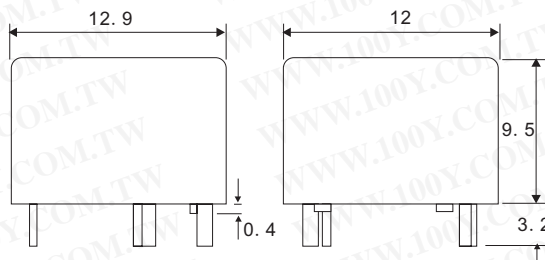
- Ultraminiaturized design, extremely light weight
- 30A maximum continuous current

APPLICATIONS

- Motor control
- Interval wiper control
- Lamp control
- Rear window and seat heating

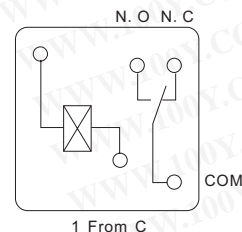
PERFORMANCE (at initial value)

Item	Type	TR20
Operation time		3ms. Typical
Release time		1.5ms. Typical
Insulation Resistance		100MΩ,at 500VDC, 50%RH
Dielectric strength		500Vrms, 1Min.
Shock resistance		30g, 6ms
Vibration Resistance		6g, 10-500Hz
Drop Resistance		1M height drop on concrete
Power consumption		0.55W approx.
Ambient Temperature		Operating: -40°C to 105°C; Storage: -40°C to 155°C
Weight		4g approx.



CONTACT RATING

Item	Type	TR20
Form		1 Form A/1Form C
Max. Switching Current	Make	100A
	Break	NO: 30A 14VDC NC: 25A 14VDC
Material		Ag alloy
Initial contact resistance		100M max. at 0.1A, 6VDC
Max. Continuous current		N. C 25A/N. O 30A
Max. switching voltage		16VDC
Min. Load		0.5A, 12VDC
Service life	Mechanical	10 ⁶ ops
	Electrical	10 ⁵ ops



Part No.	Product No.	Manufacturer	Description	Outline L*W*H	Contact Arrangement	Contact Rating	Coil Voltage	Recognized Safety	Type
22857	TR20-12D-SC-CL	TTI	TTI Relay	12* 9.5mm	1 Form C	25A/14VDC	12VDC	CUL	TR20



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