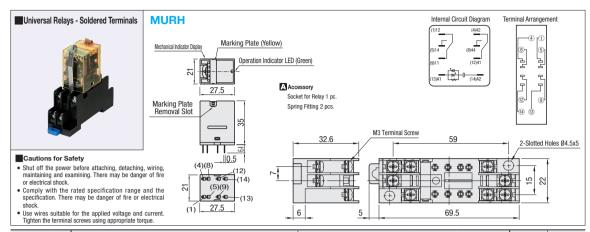
Universal Relays, Terminal Blocks

Soldered Terminals



Part Number		Rated Coil *1				Contact Rating					Unit Price	Volume Discount Rate
Part Number		Rated Currer	nt (mA)±15%	Rated Voltage Coil Resistance (Ω)		Number of	umber of Allowable Contact Rating		Allowable Contact Power Load Current with		05.1 0	10~20
Туре	No.	50Hz	60Hz	AC (V) ±10% (at 20°C) Poles Cont		Contact Current	Voltage (V)	(Resistance Load)	Resistive Load	Qty. 1~9	10~20	
MURH	10	9.2~11.0	7.8~9.0	100~110	3,460	-2 Poles	10A	AC250 DC30	AC2500VA 10A			
WUKH	20	4.6~5.5	4.0~4.6	200~220	14,080			AC250 DC30	DC300W	TUA		

^{*} Operating Properties of One Rated Coil (rated values at 20°C): Maximum Applied Voltage: 110%; Minimum Rated Operation: 80% or less; Return Voltage: 30% or more. For orders larger than indicated quantity, please check with WOS. Note) The rated current value includes the current of operation indicator LED.

Properties

Contact Material	Ag Alloy	Maximum ON/OFF Frequency	Electrical: 1,800 times/h, Mechanical: 18,000 times/h			
Contact Resistance *1	50mΩ or Less	Vibration Resistance	Endurance: Frequency 10 ~ 55Hz, Half Wave 0.5mm Malfunction: Frequency 10~55Hz, Half Wave 0.5mm			
Minimum Operation Load *2	DC24V, 5mA (Reference Value)	Impact Resistance	Endurance: 1,000m/s², Malfunction: 150m/s²			
Response Time *3	20ms or Less	Mechanical Durability	AC: 50 million times or more, DC: 100 million times or more.			
Recovery Time *3	20ms or Less	Electrical Durability *3	AC250V: Resistive Load 10A=100,000, 5A=500,000 times.			
Power Consumption	0.9-1.2VA(60Hz) 1.1-1.4VA(50Hz)	Operating Ambient Temp. *4	-55 ~ +60°C (No Freezing)			
Insulation Resistance	100MΩ or more DC500V mega	Operating Ambient Humidity	5 ~ 85%RH (No Condensation)			
Withstand Voltage	AC2500V, 1min (between the same pole contact circuit. AC1000V, 1min.)	Mass (approx.)	35g			

MSNDTD



- *1. Measurement Condition: DCSI, 1A, depending on the voltage descent method.

 *2. M measurement Condition: The value at ONOFF frequency 120 times/min. Failure modulus P level (Reference)

 *3. Measurement Condition: When rated voltage is applied (at 20°C), Bounce is excluded.

· The terminal block is made of special resin (unsaturated polyester resin), which can be used at high temperature.

Use it when several heater lead wires are connected with the temperature controller.

Although the use in atmosphere with temperature over 80°C causes product label

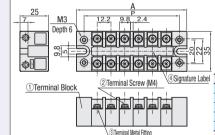
Training the continual block to be loosened, there is no mechanical problem. Also, use heat resistant wires (more than 200°C) for wiring.

Tighten the terminal screw regularly (approx. once a year).

- *4. When 100% of rated voltage is applied.

■Features





MSNDTK (Cover Type)

MMaterial No. Name of Parts Surface Treatment Standards Terminal Block Unsaturated Polyester Resin UL94V-0 Zinc Plating (Trivalent Chromate) Carbon Steel Terminal Screw erminal Metal Fitting Nickel Plating Brass Signature Label Fiber (White) Cover Phenol Plate (Black) MSNDTK (Cover Type) is included with 4 pcs. of M3 screws.

Part Number				T	Man	- (m)	MSN	DTD	MSNDTK	
Part Numb	Α	P	Terminal Screws	Mass (g)		Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate	
Туре	No.			OCICWS	MSNDTD	MSNDTK	Qty. 1 ~ 9	10~20	Qty. 1 ~ 9	10~20
	2	48.5	35.5	4	72	79				
MSNDTD	3	60.5	47.5	6	91	99				
MISINDID	4	73	60	8	110	119				
MSNDTK	6	97	84	12	148	159				
MIGNOIK	8	121.5	108.5	16	187	201				
	10	146	133	20	225	241				

⑤Cover (MSNDTK only)

No. indicates number of poles

Por orders larger than indicated quantity, please check with WOS.

■Rating and Performance

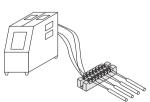
Rated Insulation Voltage 250V Rated Current 20A Applicable Wire 5.5mm ²	Terminal Screw M4 (Recommended Tightening Torque: 1.4 ~ 1.8N · m)								
Insulation Resistance DC500V mega 100MΩ or more	Withstand Voltage AC2000V, Normal for 1 minute								
Operating Temp., Humidity Range -10~150°C, 45~85%RH (No Freezing or Condensation)									
Conforming Standard IIS C 2811 Industrial Terminal Block									

*Use under atmospheric pressure (at an altitude 2,000m or less).





One temperature controller can be connected to several heaters.



Two crimping terminal can be used for one terminal.