

## FEATURES

- Dielectric strength 2500Vrms
- I/O modules for interface between CPU
- External input devices or loads

## PRECAUTIONS

1. Soldering must be completed within 10 seconds at 260°C or less or within 5 seconds at 350°C or less.
2. To output module, the SSR case serves to dissipate heat. Install the relays so that they are adequately ventilated. If poor ventilation is unavoidable, reduce the load current by half.
3. When using the MS8 (output module) series for an AC load with a peak voltage of more than 450V, connect the load terminals of the relay to an inrush absorber (varistor). The recommended varistor voltage, 440 to 470V.

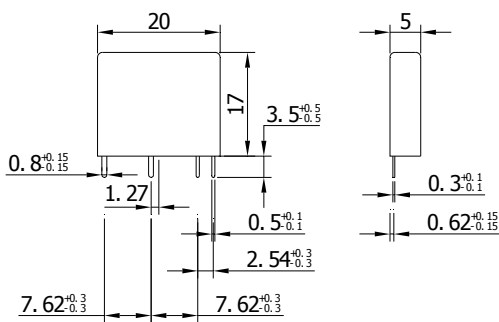
## OUTPUT MODULE

	Item	AC output module	DC output module	Remark
	Nominal voltage (DC)	3V, 5V, 12V, 24V	5V, 12V, 24V	
Input side	Operate voltage range	±20% of nominal voltage		
	Must operate voltage	80% of nominal voltage		
	Must release voltage	Min. 1VDC		
	Maximum input current	Max. 15mA (at 120% of nominal voltage)		
	Load voltage range	24 to 265Vrms	3 to 30VDC	
	Maximum load current	1.0Arms	1.0A	see characteristic data
Output side	Surge current	5A (10ms)	2A (10ms)	
	Max. off-state leakage current	1.5mArms	0.1mA (at 30VDC)	
	Max. on-state voltage drop	1.2Vrms	1.2V	at max. load current
Maximum operate time		1ms		
Maximum release time		1/2 cycle + 1ms	1ms	
Insulation resistance		Min. 1000MΩ (at 500VDC)		for input-output
Dielectric strength		2500Vrms 1 min.		
Operating temperature range		- 30°C to +85°C		
Storage temperature		- 40°C to +100°C		
Case color		Black	Red	

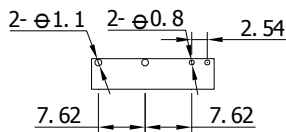
## ORDERING INFORMATION

<u>MS8</u>	-	<u>12D</u>	-	<u>220</u>	<u>D</u>	<u>1</u>	<u>T</u>
Model No.	Input Voltage	Load Voltage	Load Voltage Form	Load Current	Output Component		
MS8	05D: 5VDC 12D: 12VDC 24D: 24VDC	30: 30V 220: 220V	D: DC A: AC	1: 1A	T: Transistor Nil: TRIAC output		

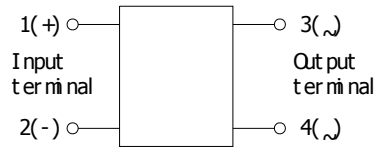
## Dimensions(unit: mm)



### PCB Layout



### Schematic AC output type



### DC output type

