

**RoHS
Compliant**



Features

- Microminiature relay
Dimensions: 18.2mm×10.2mm×15.5mm
- 16A switching capacity
- Contact: 1 Form A
- Reinforced insulation between coil and contact
- Dielectric strength of 4000V between coil and contacts
- TV-5, TV-8 rating

Specification

Contact Data		
Contact Form	1 Form A	
Contact Material	Ag Alloy	
Contact Rating	Resistive: 16A 250V AC TV-5 250V AC TV-8 250/125V AC	
Contact Resistance	Max. 100mΩ (6V DC 1A)	
Load	Max. Switching Voltage	250V AC/30V DC
	Max. Switching Current	16A
	Max. Switching Power	4000VA,480W
	Min. Switching Load	5V DC, 100mA
Life*2	Electrical	50,000 operations
	Mechanical	1,000,000 operations
Coil Data		
Nominal Coil Power	200mW,450mW	
General Data		
Insulation Resistance	Min.1000MΩ 500V DC	
Dielectric Strength	Between open contacts	1,000V AC, 1min
	Between coil and contacts	4,000V AC ,1min
Operate Time	Max. 10ms	
Release Time	Max. 5ms	
Operating Temperature	-40°C to +85°C	
Humidity	35-95%RH,+40°C	
Shock Resistanc	Endurance	1,000m/s ²
	Misoperation	100m/s ²
Vibration Resistance	Endurance	10-55Hz,1.5mm double amplitude
	Misoperation	
Weight	Approximately 6g	

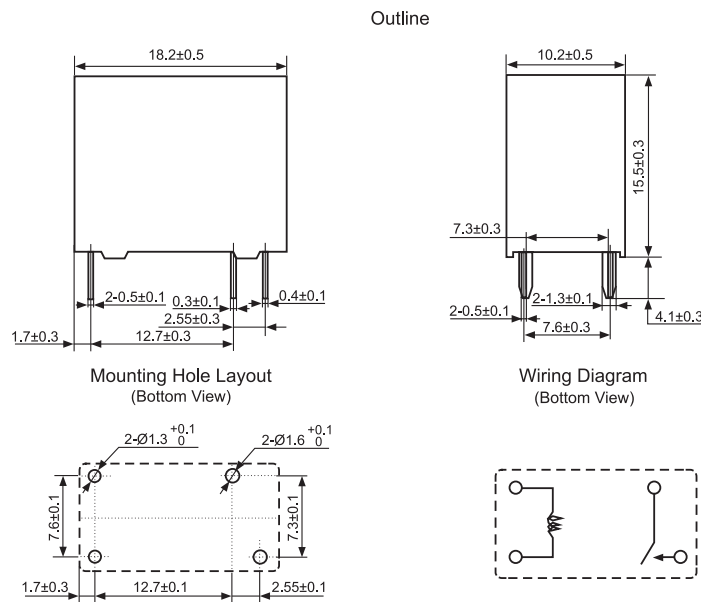
Note:Data shown are of initial value

Coil Data

Ambient Temperature: 23°C

Model	Nominal Voltage V DC	Coil Resistance Ω +/-10%	Operate Voltage \leq V DC	Reset Voltage \leq V DC	Coil Power mW
MPHRS3FT-S-DC5V-A	5	55.6	3.5	0.5	450
MPHRS3FT-S-DC24V-A	24	1280	16.8	2.4	
MPHRS3FTH-S-DC5V-A	5	125	3.75	0.5	200
MPHRS3FTH-S-DC24V-A	24	2880	18	2.4	

Outline, Wiring Diagram, Mounting Hole Layout



Part Number Table

Description	Part Number
Power Relay, PCB Type, NO, 0.45W, 16 Amp, 5V DC	MPHRS3FT-S-DC5V-A
Power Relay, PCB Type, NO, 0.45W, 16 Amp, 24V DC	MPHRS3FT-S-DC24V-A
Power Relay, PCB Type, NO, 0.2W, 16 Amp, 5V DC	MPHRS3FTH-S-DC5V-A
Power Relay, PCB Type, NO, 0.2W, 16 Amp, 24V DC	MPHRS3FTH-S-DC24V-A

Dimensions : Millimetres

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