

**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

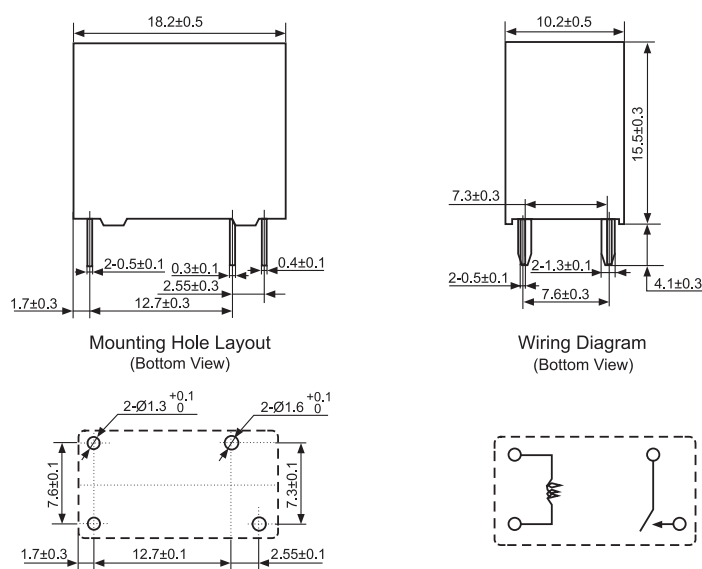
Coil Data

Ambient Temperature: 23°C

Model	Nominal Voltage V DC	Coil Resistance $\Omega \pm 10\%$	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

Outline



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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