

RoHS
Compliant



Features

- Compact structure, Light weight
- Dimensions: 15.5mm × 12.2mm × 13.9mm
- Max.Continuous Current: 35A/10min. 25A/1h
- Comply to IEC 60335-1
- UL Class F insulation

Specification

Contact Data		
Contact Form	1 Form A, 1 Form B, 1 Form C	
Contact Material	Ag Alloy	
Contact Rating	NO/NC:10A /6A 250V AC, 28V DC	
Contact Resistance	Max. 100mΩ (6V DC 1A)	
Load	Max. Switching Voltage	250V AC/28V DC
	Max. Switching Current	10A
	Max. Switching Power	2500VA, 280W
	Min. Switching Load	5V DC, 100mA
Life	Electrical	50,000 operations
	Mechanical	10,000,000 operations
Coil Data		
Nominal Coil Power	0.36W, 0.45W, 0.64W, 0.8W	
General Data		
Insulation Resistance	Min. 1000MΩ 500V DC	
Dielectric Strength	Between open contacts	750V AC, 1min
	Between coil and contacts	1,500V AC, 1min
Operate Time	Max. 10ms	
Release Time	Max. 10ms	
Operating Temperature	-40°C to +105°C	
Humidity	35 to 95%RH, +40°C	
Shock Resistanc	Endurance	1,000m/s ²
	Misoperation	100m/s ²
Vibration Resistance	Endurance	10 to 55Hz, 1.5mm double amplitude
	Misoperation	10 to 55Hz, 1.5mm double amplitude
Weight	Approximately 6g	

Note:Data shown are of initial value

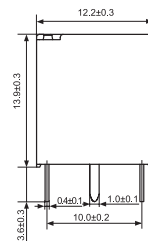
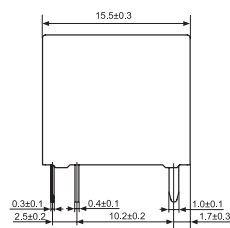
Coil Data

Model	Nominal Voltage V DC	Coil Resistance $\Omega \pm 10\%$	Operate Voltage $\leq V$ DC	Release Voltage $\geq V$ DC	Coil Power mW
MPHRS5G-S-DC5V-A	5	55	3.5	0.5	0.45
MPHRS5G-S-DC24V-A	24	1280	16.8	2.4	
MPHRS5G-S-DC5V-C	5	55	3.5	0.5	
MPHRS5G-S-DC24V-C	24	1280	16.8	2.4	

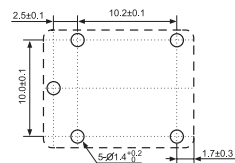
Outline, Wiring Diagram, Mounting Hole Layout

1 Form C

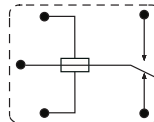
Outline



Mounting Hole Layout
(Bottom View)

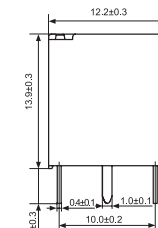
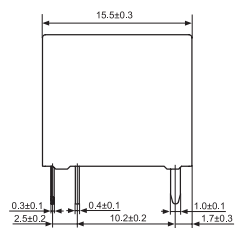


Wiring Diagram
(Bottom View)

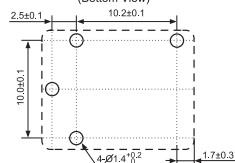


1 Form A

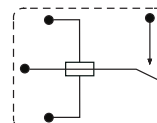
Outline

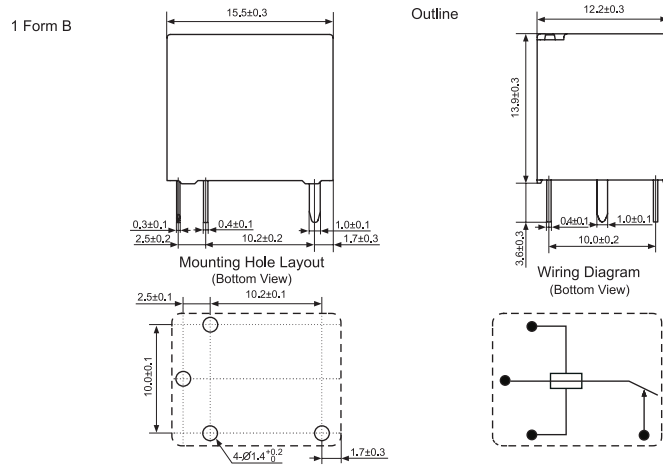


Mounting Hole Layout
(Bottom View)



Wiring Diagram
(Bottom View)





Part Number Table

Description	Part Number
Power Relay, PCB Type, NO, 10 Amp, 5V DC	MPHRS5G-S-DC5V-A
Power Relay, PCB Type, NO, 10 Amp, 24V DC	MPHRS5G-S-DC24V-A
Power Relay, PCB Type, NO/NC, 10/6 Amp, 5V DC	MPHRS5G-S-DC5V-C
Power Relay, PCB Type, NO/NC, 10/6 Amp, 24V DC	MPHRS5G-S-DC24V-C

Dimensions : Millimetres

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