

HRS3FT

POWER RELAY

Features

- Microminiature relay
Dimensions: 18.2×10.2×15.5(mm)
- 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

Safety Approval

NO.CQC12002076143



NO.50223752 C US NO.E164730

Relay Picture**ORDERING INFORMATION****HRS3FT** H - S - DC12V - A

Model	Coil Power	Enclosure	Coil Voltage	Contact Form
	H - High Sensitivity (200mW) Blank - Standard (450mW)	S - Plastic Sealed Type	DC3V,DC5V, DC6V, DC9V, DC12V, DC24V	A - 1 Form A

Remarks: Regular type venting hole unsealed(Flux proofed)

SPECIFICATION**CONTACT DATA**

Contact Form	1 Form A	
Contact Material	Ag Alloy	
Contact Rating	Resistive: 16A250VAC TV-5 250VAC TV-8 250/125VAC	
Contact Resistance	Max. 100mΩ(6VDC 1A)	
Load	Max. Switching Voltage	250VAC/30VDC
	Max. Switching Current	16A
	Max. Switching Power	4000VA,480W
	Min. Switching Load	5VDC, 100mA
Life	Electrical	50,000 operations
	Mechanical	1,000,000 operations

COIL DATA

Nominal Coil Power	200mW,450mW
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SAFETY APPROVAL

File Number	Contact Form	Power Consumption	Coil Voltage	Contact Rating	Remarks
UL E164730	A	0.45W/0.2W	5V,6V,9V,12V,24V	16A 250VAC GP	Ambient Temperature: 85°C
	A	0.45W/0.2W	5V,6V,9V,12V,24V	TV-5 250VAC	Ambient Temperature: 40°C
	A	0.45W/0.2W	5V,6V,9V,12V,24V	TV-8 250/125VAC	Ambient Temperature: 45°C
TUV 50223752	A	0.45W/0.2W	3V,5V,6V,9V,12V,24V	16A 250VAC Res	Ambient Temperature: 85°C
CQC 12002076143 (GB/T 21711.1-2008)	A	0.45W/0.2W	3V,5V,6V,9V,12V,24V	16A 250VAC Res	Ambient Temperature: 85°C

Specifications subject to change without notice

ISO9001、IATF16949、ISO14001 Approved

HKE HRS3FT-61

Insulation Resistance	Min. 1000MΩ 500VDC	
Dielectric Strength	Between open contacts	1,000VAC, 1min
	Between coil and contacts	4,000VAC, 1min
Operate Time	Max. 10ms	
Release Time	Max. 5ms	
Operating Temperature	-40°C to +85°C	
Humidity	35~95%RH, +40°C	
Shock Resistance	Endurance	1,000m/s ²
	Misoperation	100m/s ²
Vibration Resistance	Endurance	10~55Hz, 1.5mm double amplitude
	Misoperation	10~55Hz, 1.5mm double amplitude
Weight	Approximately 6.0g	

Note:Data shown are of initial value

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POWER RELAY

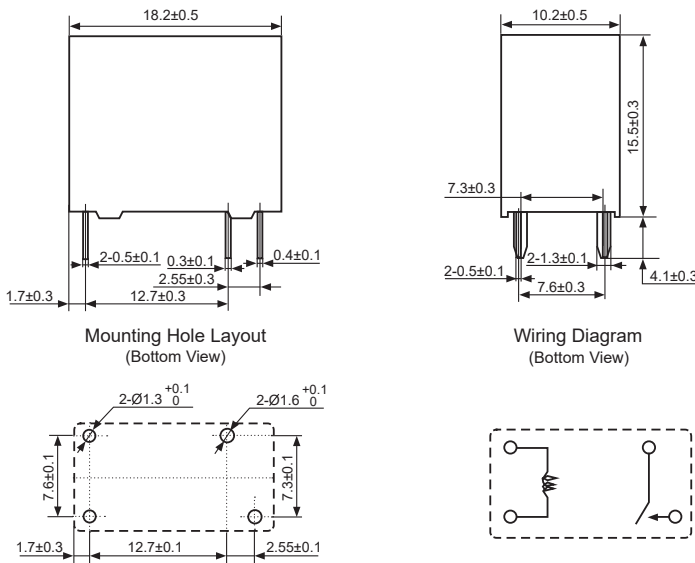
COIL DATA

Ambient Temperature: 23°C

Model	Nominal Voltage VDC	Coil Resistance Ω ±/-10%	Operate Voltage \leq VDC	Release Voltage \geq VDC	Coil Power mW
HRS3FT-S-DC3V-A	3	20.0	2.1	0.3	450
HRS3FT-S-DC5V-A	5	55.6	3.5	0.5	
HRS3FT-S-DC6V-A	6	80	4.2	0.6	
HRS3FT-S-DC9V-A	9	180	6.3	0.9	
HRS3FT-S-DC12V-A	12	320	8.4	1.2	
HRS3FT-S-DC24V-A	24	1280	16.8	2.4	
HRS3FTH-S-DC3V-A	3	45.0	2.25	0.3	200
HRS3FTH-S-DC5V-A	5	125	3.75	0.5	
HRS3FTH-S-DC6V-A	6	180	4.5	0.6	
HRS3FTH-S-DC9V-A	9	405	6.75	0.9	
HRS3FTH-S-DC12V-A	12	720	9.0	1.2	
HRS3FTH-S-DC24V-A	24	2880	18.0	2.4	

OUTLINE, WIRING DIAGRAM, MOUNTING HOLE LAYOUT (UNIT: mm)

Outline



ISO9001、IATF16949、ISO14001 Approved