

HK115FH

MINIATURE HIGH POWER RELAY



Features

- Low height: 15.8 mm
- 16A max switching capability
- 5kV dielectric strength (between coil and contacts)
- Creepage distance: 10mm
- Outline Dimensions: (29.6 x 12.7 x 15.8) mm
- Plastic sealed and flux proofed types available
- Environmental friendly product (RoHS compliant)

■ CONTACT DATA

Contact Form	1A 1B 1C
Contact Material	Silver Alloy
Contact Ratings	16A 250VAC 30VDC
Max Switching Voltage	440VAC/125VDC
Max Switching Current	16A
Max Switching Power	4000VA /480W
Contact Resistance	100MΩ(at 1A 6VDC)
Electrical Life	1X105Ops(30Ops/min)
Mechanical Life	1X107Ops(300Ops/min)

■ GENERAL DATA

Insulation Resistance		100MΩ 500VDC
Dielectric Strength	Between coil & contacts	5000VAC 1min
	Between open contacts	1000VAC 1min
Operate Time		Max. 15ms
Release Time		Max. 8ms
Temperature Range		- 40℃ to +70℃
Shcok Resistance	Functional	98m/s ² (10g)
	Destructive	980m/s ² (100g)
Vibration Resistance		10 to 55Hz 1.5mm
Humidity		35% to 85% RH
Weight		Approx. 13g
Safety Standard		CQC CUL TÜV

■ COIL DATA

Nominal Voltage (VDC)	Coil Resistance at 20℃ ± 10%(Ω)	Max Operate Voltage (VDC)	Min Release Voltage (VDC)	Max Applicate Voltage (VDC)
	0.4W			
5	62.5	3.75	0.50	6.50
6	90.0	4.50	0.60	7.80
12	360	9.00	1.20	15.60
24	1440	18.00	2.40	31.20
48	5760	36.00	4.80	62.40
60	7500	45.00	6.00	78.00

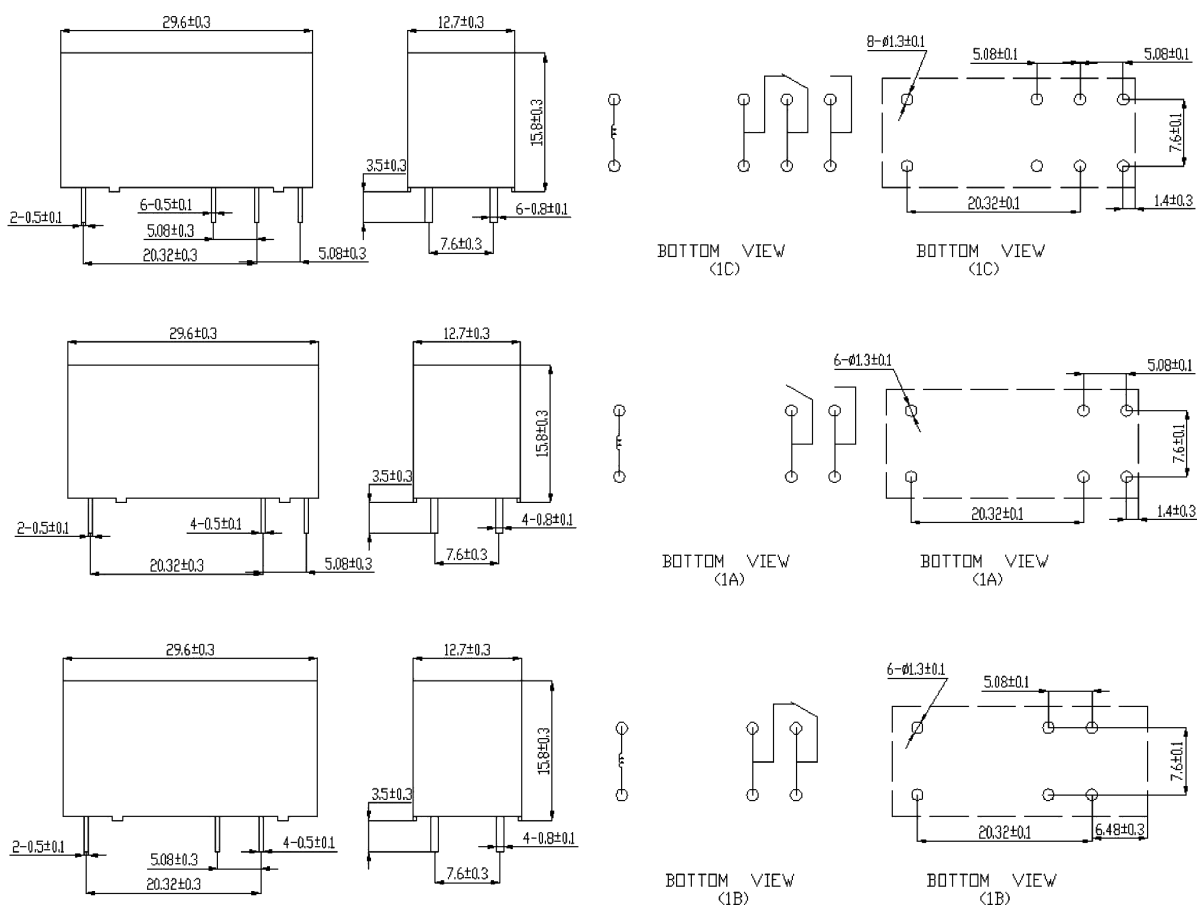
ORDERING INFORMATION

HK115FH	-	DC	12V	-	S	X	X	X	X	
									Special request code	G:RoHS
									Mounting termination	NIL:PCB
									Contact Form	C A B NIL:C
									Coil Power	NIL :0.4W
									Type of Sealing	NIL: Flow Solder Type S: Plastic Sealed Type
									Coil Voltage	5V 6V 12V 24V 48V 60V
									Coil Type	DC
									Type	HK115FH

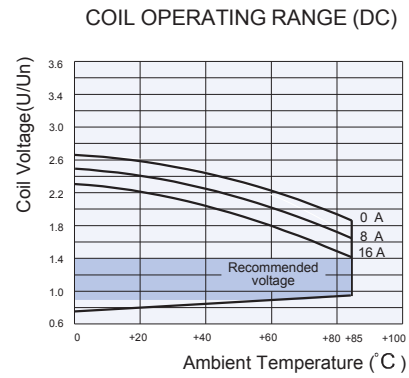
Notes: 1) We recommend flux proofed types for a clean environment (free from contaminations like H₂S, SO₂, NO₂, dust, etc.).
We suggest to choose plastic sealed types and validate it in real application for an unclean environment (with contaminations like H₂S, SO₂, NO₂, dust, etc).
If water cleaning is required after the relay is assembled on PCB, please contact us for suggestion about suitable parts.
2) For gold plated type, the min. switching current and min. switching voltage is 10mA 5VDC.

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

Unit: mm



CHARACTERISTIC CURVES



Notes: The use of a relay with an energising voltage other than the rated coil voltage may lead to reduced electrical life. An energising voltage over the above range may damage the insulation of relay coil.

Disclaimer

This datasheet is for the customers' reference. All the specifications are subject to change without notice. We could not evaluate all the performance and all the parameters for every possible application. Thus the user should be in a right position choose the suitable product for their own application. If there is any query, please contact Huike for the technical service. However, it is the user's responsibility to determine which product should be used only.