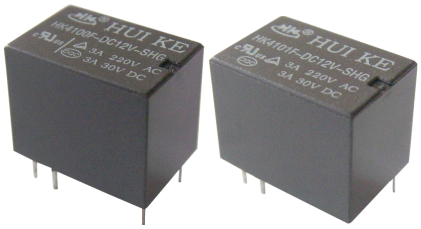
HK4100F/4101F SUBMINIATURE SIGNAL RELAY



Features

- 3A switching capability
- 1 Form C ,B&Aconfiguration
- Standard PCB layout
- Plastic sealed and flux proofed types available
- Environmental friendly product (RoHS compliant)
- Outline Dimensions: (15.5 x 10.5 x 11.8) mm

■ CONTACT DATA

Contact Form	1C 1A 1B
Contact Material	Silver Alloy
Contact Ratings	3A 250VAC/3A 30VDC
Max Switching Voltage	300VAC/60VDC
Max Switching Current	3A
Max Switching Power	750VA /90W
Contact Resistance	100MΩ(at 1A 6VDC)
Electrical Life	$1X10^5$Ops(30Ops/min)
Mechanical Life	$1X10^7$Ops(300Ops/min)

■ GENERAL DATA

Insulation Resistance		100MΩ 500VDC
Dielectric Strength	Between coil & contacts	1000VAC 1min
	Between open contacts	500VAC 1min
Operate Time		Max. 10ms
Release Time		Max. 5ms
Temperature Range		- 25℃ to +70℃
Shock 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. 3.5g
Safety Standard		CUL TüV CQC

■ COIL DATA

Nominal Voltage (VDC)	Coil Resistance at 20℃ ± 10%(Ω)			Max Operate Voltage (VDC)	Min Release Voltage (VDC)	Max Applicate Voltage (VDC)
	0.15W	0.20W	0.36 W			
3	60	45	25	2.25	0.30	3.90
5	167	125	70	3.75	0.50	6.50
6	240	180	100	4.50	0.60	7.80
9	540	405	225	6.75	0.90	11.70
12	960	720	400	9.00	1.20	15.60
24	3840	2880	1600	18.00	2.40	31.20

ORDERING INFORMATION

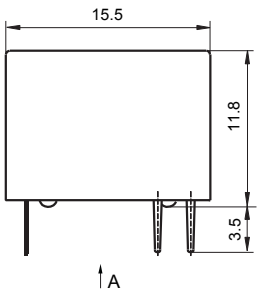
HK4100F HK4101F	-	DC	6V	-	S	D	1A	X	X	

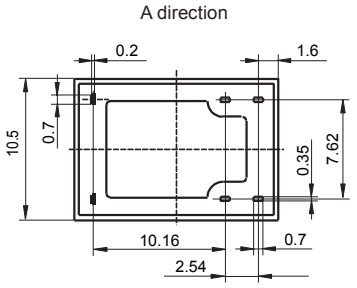
Special request code	G:RoHS
Mounting termination	NIL:PCB
Contact Form	1C 1A NIL:1C
Coil Power	NIL:0.36W D:0.15W H:0.2W
Type of Sealing	NIL: Flow Solder Type S: Plastic Sealed Type
Coil Voltage	3V,5V,6V,9V,12V,24V
Coil Type	DC
Type	HK4100F/HK4101F

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

Unit: mm

Outline Dimensions

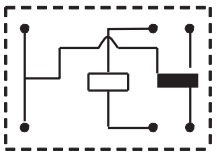




(Bottom view)

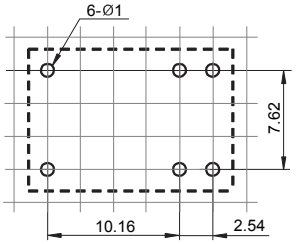
Wiring Diagram

(Bottom view)



PCB Layout

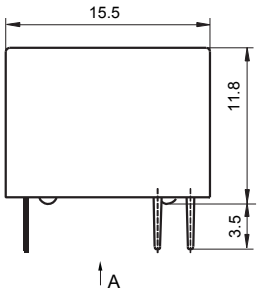
(Bottom view)

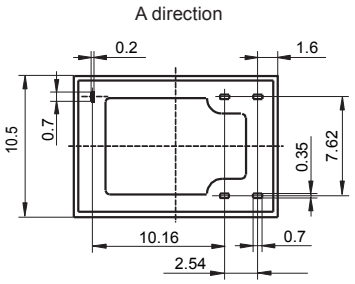


OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

Unit: mm

Outline Dimensions

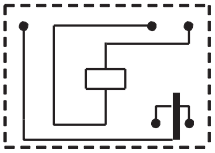




(Bottom view)

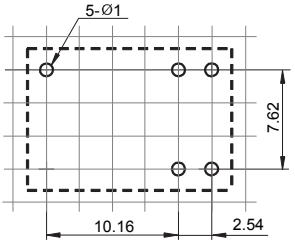
Wiring Diagram

(Bottom view)



PCB Layout

(Bottom view)



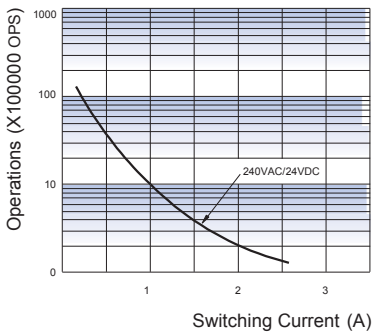
Remark: 1) In case of no tolerance shown in outline dimension: outline dimension ≤1mm, tolerance should be ±0.2mm; outline dimension ＞1mm and ≤5mm, tolerance should be ±0.3mm; outline dimension ＞5mm, tolerance should be ±0.4mm.

2) The tolerance without indicating for PCB layout is always ±0.1mm.

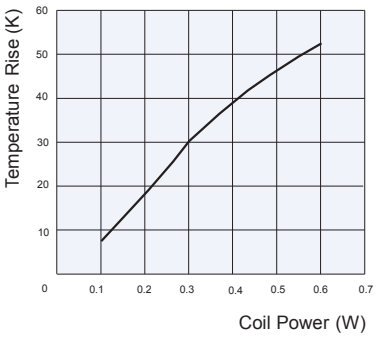
3) The width of the gridding is 2.54mm.

CHARACTERISTIC CURVES

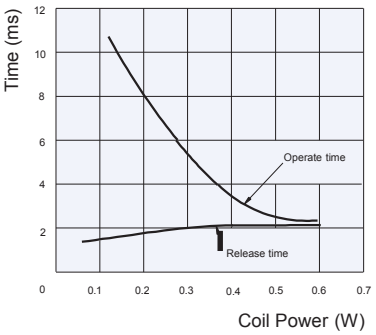
ENDURANCE CURVE



COIL TEMPERATURE RISE



OPERATE TIME



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 tight position to 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.

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