HK14FD

MINIATURE INTERMEDIATE POWER RELAY



Features

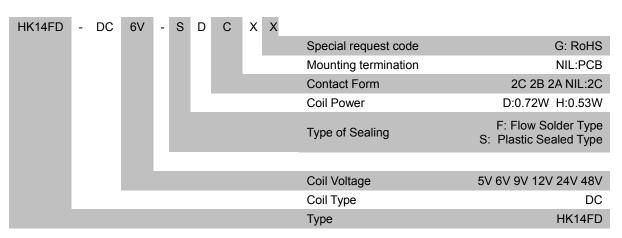
- 5A switching capability
- 5kV dielectric strength (between coil and contacts)
- Plastic sealed and flux proofed types available
- Environmental friendly product (RoHS compliant)
- Outline Dimensions: (29.0 x 12.7 x 20.8) mm

■ CONTACT DATA				
Contact Form	2A 2B 2C			
Contact Material	Silver Alloy			
Contact Material Contact Ratings	5A 250VAC /5A 30VDC			
	250VAC/30VDC			
Max Switching Voltage	250VAC/50VDC			
Max Switching Current				
Max Switching Power	1250VA/150W			
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	5000VAC 1min		
	Between open contacts	1000VAC 1min		
Operate Time		Max. 15ms		
Release Time		Max. 5ms		
Temperature Range		- 40℃ to +70℃		
Shock Resistance	Functional	98m/s² (10g)		
	Destructive	980m/s² (100g)		
Vibration Resistance		10 to 55Hz 1.5mm		
Humidity		40% to 85% RH		
Weight		Approx. 14g		
Safety Standard		CUL TüV CQC		

■ COIL DATA								
Nominal Voltage (VDC)	Coil Resistance at 20 ℃ ± 10%(Ω)		Max Operate Voltage	Min Release Voltage	Max Applicate Voltage			
	0.53W	0.72W	(VDC)	(VDC)	(VDC)			
3	17	12.5	2.25	0.30	4.20			
5	47	36	3.75	0.50	7.00			
6	68	50	4.50	0.60	8.40			
9	160	115	6.75	0.90	12.60			
12	275	200	9.00	1.20	16.80			
24	1100	800	18.00	2.40	33.60			
48	4170	3200	36.00	4.80	67.20			

ORDERING INFORMATION

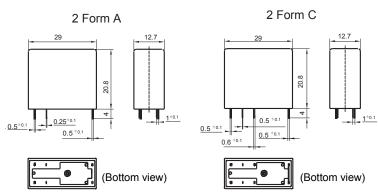


Notes:1) We recommend flux proofed types for a clean environment (free from contaminations like H₂S, SO₂, NO₂, dust, etc.). We suggest to choose plastic sealed types and validate it in real application for an unclean environment (with contaminations like H₂S, SO₂, NO₂, dust, etc.).

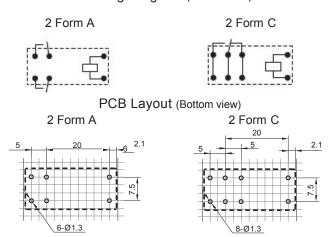
If water cleaning is required after the relay is assembled on PCB, please contact us for suggestion about suitable parts.

²⁾ The standard type is made of black cover. If smoke cover is required, please add a special suffix (611) when ordering. Please take note that smoke cover is only available for flux proofed type.

Outline Dimensions



Wiring Diagram (Bottom view)

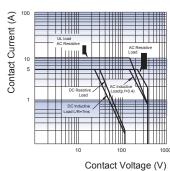


Remark: 1) In case of no tolerance shown in outline dimension: outline dimension ≤1mm, tolerance should be ±0.2mm; outline dimension >1mm and ≤5mm, tolerance should be ±0.3mm; outline dimension >5mm, tolerance should be ±0.4mm.

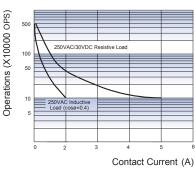
- 2) The tolerance without indicating for PCB layout is always ±0.1mm.
- 3) The width of the gridding is 2.5mm.

CHARACTERISTIC CURVES

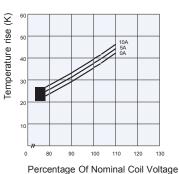
MAXIMUM SWITCHING POWER



ENDURANCE CURVE



COIL TEMPERATURE RISE



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 Ever-way for the technical service. However, it is the user's responsibility to determine which product should be used only.