

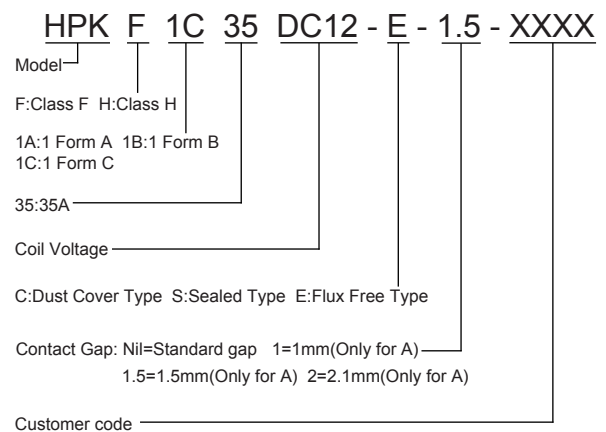
## FEATURES

- 25A, 32A or 35A switching capability
- Surge voltage up to 6kV (between coil and contacts)
- 1 Form C and 1 Form A configurations available
- Dust Cover Type, Flux Free Type and Sealed Type is available
- Creepage Distance up to 6mm
- Outline Dimensions: 21.6mm×16.0mm×20.6mm

## CONTACT RATINGS

Contact Arrangement	1A, 1B, 1C
Contact Resistance	100mΩ (1A 24VDC)
Contact Material	AgSnO alloy
Contact Rating(Resistive)	NO:35A/277VAC NC:16A/277VAC
Max. Switching Voltage	277VAC
Max. Switching Current	35A
Max. Switching Power	9695VA
Mechanical Life	1×10 <sup>5</sup> operations(frequency 9,000 operations/hr)
Electrical Life	See more details at "safety approval ratings"

## ORDERING INFORMATION



## CHARACTERISTICS

Insulation Resistance	100MΩ (at 500VDC)	
Dielectric Strength	Between coil & contacts	4000VAC 1min
	Between open contacts	1500VAC 1min
Operate time (at nomi. volt.)	≤15ms	
Release time (at nomi. volt.)	≤10ms	
Humidity	85% (20°C)	
Storage Condition	-40°C~+85°C	
Operating Condition	Class F: -40°C~+60°C Class H: -40°C~+85°C -40°C~+105°C(at 25A)	
Class F/H	Insulation System Class F/H	
Shock Resistance	Operating extremes	10G
	Damage limits	100G
Vibration resistance	10Hz ~ 50Hz 1.0mm DA	
Unit weight	Approx. 15g	
Construction	Sealed Type, Dust Cover Type, Flux Free Type	

Notes: 1) The data shown above are initial values.  
 2) Please find coil temperature curve in the characteristic curved below.

**This datasheet is for customers' reference. All the specifications are subject to change without notice.**

## COIL DATA

at 25°C

Nominal Voltage VDC	Pick-up Voltage (Max.) VDC <sup>(1)</sup>	Drop-out Voltage (Min.) VDC	Holding Voltage at 85°C VDC <sup>(2)</sup>	Coil Resistance Ω±10%
6	4.8	0.30	1.92~2.16	22
9	7.2	0.45	2.88~3.24	49
12	9.6	0.60	3.84~4.32	86
24	19.2	1.20	7.68~8.64	345
48	38.4	2.40	15.36~17.28	1380



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# RELAYS

## COIL

Power consumption at rated voltage	1670mW
Power consumption at holding voltage	190mW <sup>(2)</sup>

**Notes:**

- (1) To energize relay properly apply 100%~120% nominal coil voltage for 200ms.
- (2) Coil holding voltage is 32~36% of nominal voltage after applying nominal voltage for 200ms.

## SAFETY APPROVAL RATINGS

UL&CUL	NO:35A/277VAC, 70°C, 5×10 <sup>4</sup> OPS 32A/277VAC, 85°C, 3.4×10 <sup>4</sup> OPS 25A/277VAC, 105°C, 5×10 <sup>4</sup> OPS 25A/35VDC, 40°C, 5×10 <sup>4</sup> OPS 5A/120VAC E.Ballast, 40°C, 6×10 <sup>3</sup> OPS TV-8 277VAC NC:16A/277VAC, 40°C, 7×10 <sup>3</sup> OPS 16A/277VAC, 85°C, 1.5×10 <sup>4</sup> OPS 32A Carry Current	
TüV	PENDING	NO:35A/277VAC NC:16A/277VAC

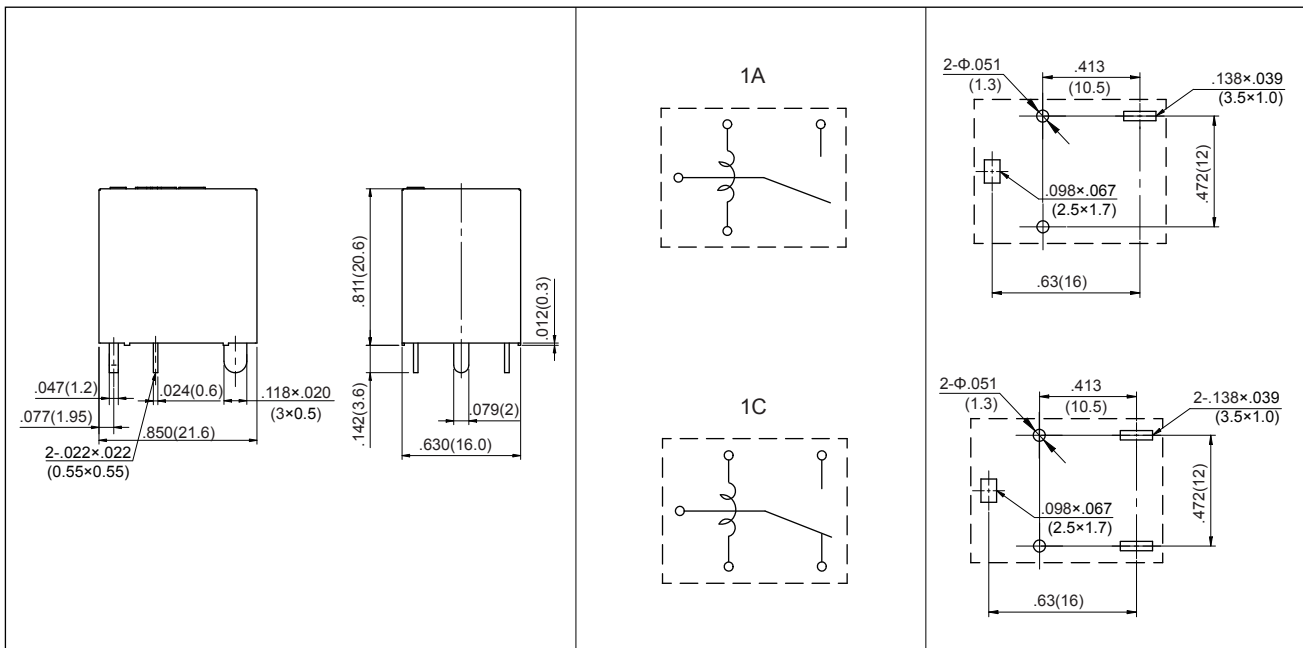
## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT.

Unit: inch(mm)

Outline Dimensions

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.

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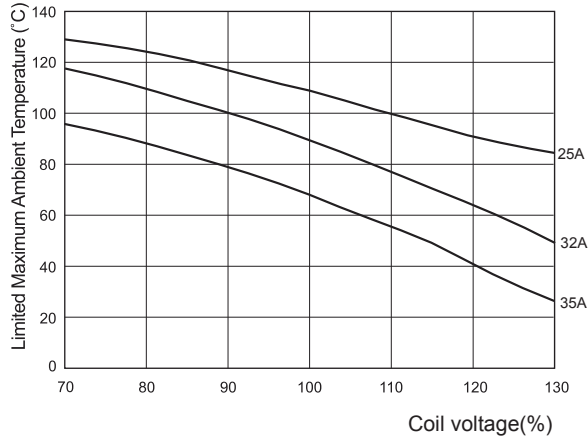
# RELAYS

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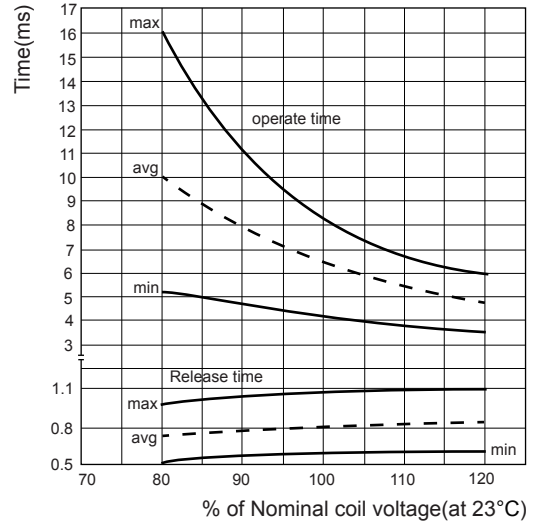
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CHARACTERISTIC CURVES

Coil operating rang (DC)



Operate time / Release time



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