



Przełącznik JRC/HFD23F-012-1ZS

Hongfa; 1st.przełączny; 12V; 1A



Dane techniczne:

Nazwa: JRC/HFD23F-012-1ZS

Napięcie sterujące: 12V

Rodzaj napięcia sterującego: DC

Konfiguracja styków: 1 styk przełączny

Znamionowy prąd styków AC: 0,5A

Znamionowe napięcie styków AC: 125V AC

Znamionowy prąd styków DC: 1A

Znamionowe napięcie styków DC: 30V DC

Sposób montażu: do druku (PCB)

Certyfikaty: RoHS

Materiał styku: AgNi

Rezystancja cewki: 960Ohm

Znamionowa moc cewki DC: 150mW

Wymiary: 12,5 x 10 x 7,5 mm

Producent: HONGFA

HFD23

SUBMINIATURE SIGNAL RELAY

c R US

File No.:E133481



File No.:CQC02001001948



Features

- Max.2A switching capability
- High sensitive: 150mW
- 1 Form C configuration
- Wash tight type available
- Environmental friendly product (RoHS compliant)
- Outline Dimensions: (12.5 x 7.5 x 10.0) mm

CONTACT DATA

Contact arrangement	1C
Contact resistance	100m Ω(at 0.1A 6VDC)
Contact material	AgNi +Au plated
Contact rating (Res. load)	0.5A 125VAC / 1A 30VDC
Max. switching voltage	125VAC / 60VDC
Max. switching current	2A
Max. switching power	62.5VA / 30W
Min. permissible load	1mA 5V
Mechanical endurance	1x10 ⁷ OPS (300OPS/min.)
Electrical endurance	1x10 ⁵ OPS (30OPS/min.)

CHARACTERISTICS

Insulation resistance		1000M Ω(at 500VDC)
Dielectric strength	Between coil & contacts	1000VAC 1min
	Between open contacts	400VAC 1min
Operate time (at nomi. volt.)		5ms max.
Release time (at nomi. volt.)		5ms max.
Bounce time (at nomi.volt.)		5ms max.
Temperature rise (at nomi.volt.)		65K max.
Shock resistance		98m/s ²
Vibration resistance		10Hz to 55Hz 3.3mm DA
Humidity		35% to 85% RH
Ambient temperature		-30°C to 70°C
Unit weight		Approx. 2.2g
Termination		PCB (DIP)
Construction		Wash tight

Notes: The data shown above are initial values.

COIL

Coil power	Sensitive:150mW; Standard: 200mW
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COIL DATA

at 23°C

Standard Type (200mW)

Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. Allowable Voltage VDC	Coil Resistance Ω
1.5	1.20	0.15	2.25	11.3 x (1±10%)
3	2.40	0.30	4.5	45 x (1±10%)
5	4.00	0.50	7.5	125 x (1±10%)
6	4.80	0.60	9.0	180 x (1±10%)
9	7.20	0.90	13.5	405 x (1±10%)
12	9.60	1.20	18.0	720 x (1±10%)
24	19.20	2.40	36.0	2880 x (1±15%)

Sensitive Type (150mW)

Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. Allowable Voltage VDC	Coil Resistance Ω
1.5	1.20	0.15	2.25	15 x (1±10%)
3	2.40	0.30	4.5	60 x (1±10%)
5	4.00	0.50	7.5	167 x (1±10%)
6	4.80	0.60	9.0	240 x (1±10%)
9	7.20	0.90	13.5	540 x (1±10%)
12	9.60	1.20	18.0	960 x (1±10%)
24	19.20	2.40	36.0	3840 x (1±15%)

SAFETY APPROVAL RATINGS

UL&CUL	1.0A 30VDC 0.3A 60VDC 0.5A 125VAC
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Notes: Only some typical ratings are listed above. If more details are required, please contact us.



HONGFA RELAY

ISO9001, ISO/TS16949, ISO14001, OHSAS18001, IECQ QC 080000 CERTIFIED

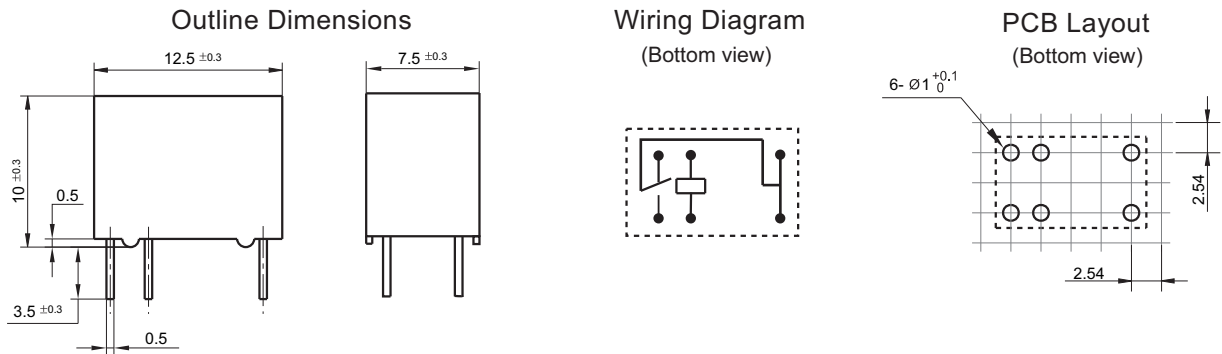
2008 Rev. 1.00

ORDERING INFORMATION

	HFD23 /	012	-1Z	S	(XXX)
Type					
Coil voltage	1.5, 3, 5, 6, 9, 12, 24VDC				
Contact arrangement	1Z: 1 Form C				
Coil power	S: Sensitive type (150mW) P: Standard type (200mW)				
Customer special code					

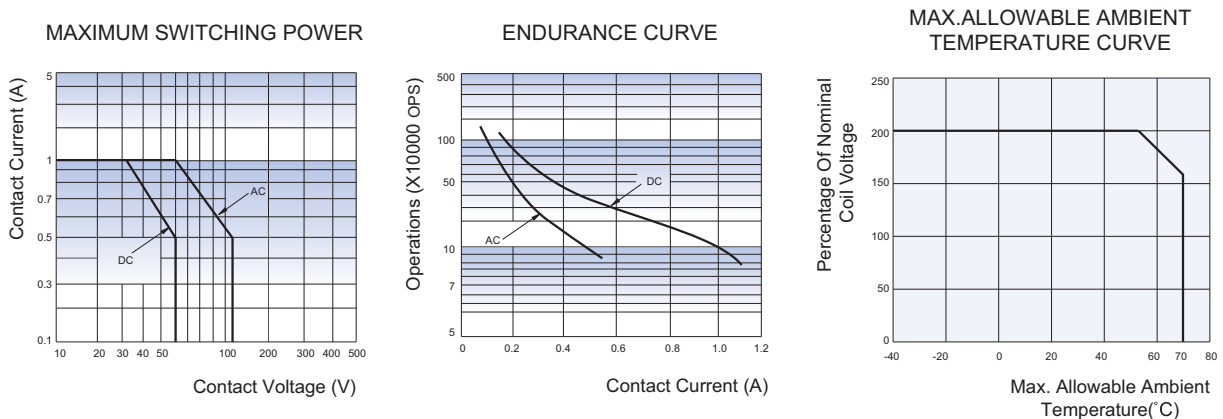
OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

Unit: mm



- Remark: 1) In case of no tolerance shown in outline dimension: outline dimension ≤ 1 mm, tolerance should be ± 0.2 mm; outline dimension > 1 mm and ≤ 5 mm, tolerance should be ± 0.3 mm; outline dimension > 5 mm, tolerance should be ± 0.4 mm.
 2) The tolerance without indicating for PCB layout is always ± 0.1 mm.
 3) The width of the gridding is 2.54mm.

CHARACTERISTIC CURVES



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 to choose the suitable product for their own application. If there is any query, please contact Hongfa for the technical service. However, it is the user's responsibility to determine which product should be used only.

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