

Features

- 5000VAC insulation, 1000MΩ insulation resistance
- DIN rail or Screw mounting type available
- With 2 or 4 sets of changeover contact options
- Products with finger protection are available

RoHS compliant

Tool hole/button

The hole to insert tool for installing/removing the wire or models with pushbuttons.

Test hole

For multimeter or other test probes.

Retainer

Prevent relay from loosening or falling out in vibration environment. Quickly remove the relay.

Relay

1C(16A), 2C(10A) High capacity; 5kV dielectric strength (between coil and contacts); With bi-directional LEDs, renewable diodes, RCs, Marker, buttons; Plug-in Terminal arrangement for more reliable.

Wiring hole

For wire connection, suit for both rigid and flexible wire compression terminals.

Module

Protect signal input devices, prevent misoperation of relays; Power indicator, fly-wheel diode, induced current absorption, overvoltage protection.

Marker

Mark or post signs.

Socket marking

Marked with main electrical performance, load range, applicable tools, matching relays.

Socket installation

DIN rail (35mm) mount or screw (Ø3.5) mount.



File No.: E253370(Socket), E133481(Relay)



File No.: R50403813(Relay)



File No.: CQC18002189443(Socket)



HONGFA RELAY

ISO9001, IATF16949, ISO14001, ISO45001, IECQ QC 080000, ISO/IEC 27001 CERTIFIED

2025 Rev. 1.01

CONTACT DATA

Contact arrangement	1C, 2C
Contact rating (Res. load)	12A 250VAC/30VDC(1C) 8A 250VAC/30VDC(2C)
Max. switching voltage	250VAC/30VDC
Max. switching current	16A (1C), 10A (2C)

CHARACTERISTICS

Insulation resistance		1000MΩ (500VAC)
Dielectric strength(RMS)	Between coil & contacts	5000VAC 1min
	Between open contacts	1000VAC 1min
	Between contact sets	3000VAC 1min
Operate time (at nomi. volt.)		15ms max.
Release time (at nomi. volt.)		10ms max.(DCtype) 20ms max.(AC with built-in freewheeling diode, RC circuit)
Humidity (RH)		5% to 85%RH
Ambient temperature		-40℃ to 70℃

COIL DATA

23°C

Nominal Voltage VAC	Pick-up Voltage VAC max.	Drop-out Voltage VAC min	Max. Allowable Voltage VAC
5	3.5	0.50	5.5
6	4.2	0.60	6.6
12	8.4	1.20	13.2
24	16.8	2.40	26.4
36	25.2	3.60	39.6
48	33.6	4.80	52.8
60	42	6.00	66.0
100 ~ 110	77	11.0	110 ~ 121

Nominal Voltage VAC	Pick-up Voltage VAC max.	Drop-out Voltage VAC min	Max. Allowable Voltage VAC
6	4.80	1.80	6.6
12	9.60	3.60	13.2
24	19.2	7.20	26.4
48	38.4	14.4	52.8
60	48.0	18.0	66.0
110	88.0	33.0	121.0
115	92.0	34.5	126.5
120	96.0	36.0	132.0
220	176.0	66.0	242.0
230	184.0	69.0	253.0
240	192.0	72.0	264.0

ORDERING INFORMATION

	HF157F-AS	/A	024	-2Z	2	5	F	D	2	-C2	-H1
Relay module	HF157F: Relay AS: module										
Coil Power	A: AC(50HZ or 60HZ) Nil: DC										
Relay coil voltage	DC: 005 to 110VDC AC: 006 to 240VAC										
Contact arrangement	1Z: 1 Form C 2Z: 2 Form C										
Termination	2: QC terminal										
Contact material	5: AgSnO ₂ InO ₃										
Matching retaining clip	F: Class F										
Component code	D: With LED DJ: With LED, freewheeling diode(1: "-") DJ1: With LED, freewheeling diode(1: "+") DE: With LED, with CR circuit										
Mounting termination	1: With test button type 2: Without test button type										
Matching socket	1Z: C2 2Z: C1, C2, C10										
UL insulation system	C1, C2 Socket: H1 C10 Socket: H5(Relay without push button), H6(Relay with push button)										

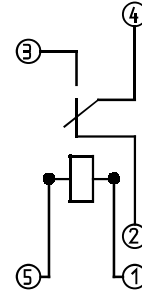
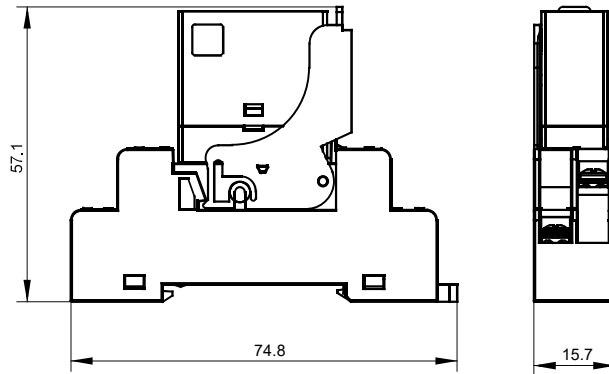
OUTLINE DIMENSIONS, WIRING DIAGRAM

Unit: mm

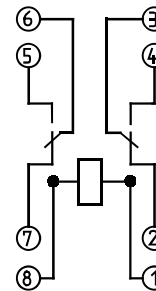
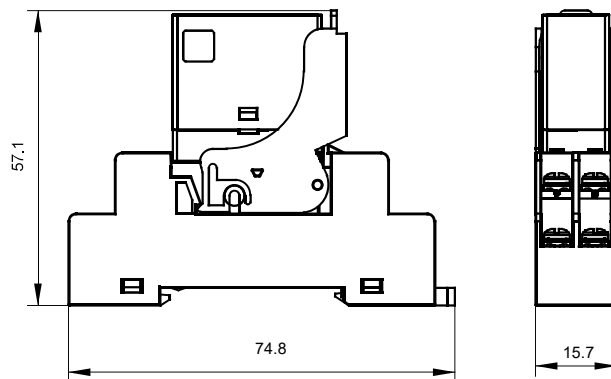
Outline Dimensions

Wiring Diagram(Top view)

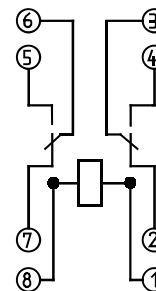
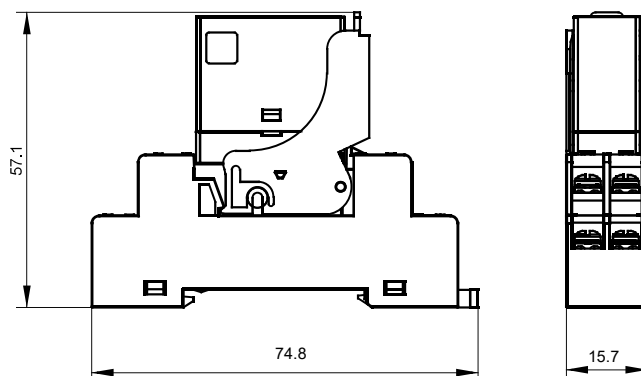
HF157F-AS/□□□□-1Z25F□□-C2-H1



HF157F-AS/□□□□-2Z25F□□-C1-H1

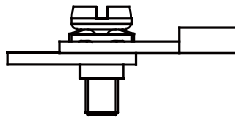


HF157F-AS/□□□□-2Z25F□□-C2-H1



COMPONENT ORDERING INFORMATION

Screw terminal



P/N	module type	relay type	socket type	retainer type
——	HF157F-AS/A24-1Z25FDJ2-C2-H1	HF157F/A24-1Z25FDJ2	157F-1Z-C2	157F-H1
——	HF157F-AS/24-1Z25FDJ2-C2-H1	HF157F/24-1Z25FDJ2		
——	HF157F-AS/A60-1Z25FDJ2-C2-H1	HF157F/A60-1Z25FDJ2		
——	HF157F-AS/60-1Z25FDJ2-C2-H1	HF157F/60-1Z25FDJ2		
——	HF157F-AS/A24-2Z25FDJ2-C2-H1	HF157F/A24-2Z25FDJ2	157F-2Z-C2	
——	HF157F-AS/24-2Z25FDJ2-C2-H1	HF157F/24-2Z25FDJ2		
——	HF157F-AS/A60-2Z25FDJ2-C2-H1	HF157F/A60-2Z25FDJ2		
——	HF157F-AS/60-2Z25FDJ2-C2-H1	HF157F/60-2Z25FDJ2		

Note: Please contact us for any information.

PRECAUTIONS FOR USE

For your personal safety and the normal operation of the equipment, as well as to prevent fire, please note the following issues :

- 1、The rated current of the socket should be no less than the rated current of the relay.
- 2、Sockets are required to be firmly fixed to prevent the wiring from loosening and affecting the quality of wiring.
- 3、Be sure to disconnect power to the outlet before installation, disassembly, wiring, maintenance and inspection.
- 4、Prevent foreign objects such as wire shavings from falling inside this product when wiring.
- 5、Be sure to install the relay in place, and use accessories such as retainer if necessary to improve contact reliability.
Do not use with incomplete connections.
- 6、Be sure to observe the relay ratings and do not overload the relay.
- 7、Before selecting a relay, make sure that the drive voltage matches the relay excitation voltage.
- 8、The main external dimension, when the external dimension > 50mm, the tolerance is $\pm 1\text{mm}$; When the $20\text{mm} < \text{dimensions}$ are between $50\text{mm} \leq$, the tolerance is $\pm 0.5\text{mm}$; When the overall dimension of $5\text{mm} < \text{between} \leq 20\text{mm}$, the tolerance is $\pm 0.4\text{mm}$, and when the external dimension is $\leq 5\text{mm}$, the tolerance is $\pm 0.3\text{mm}$;
- 9、For rail installation, it is recommended to use DIN standard $35 \times 7.5 \times 1$, $35 \times 15 \times 1$ standard rails.

Disclaimer

The specification is for reference only. See to "Terminology and Guidelines" for more information. Specifications 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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