

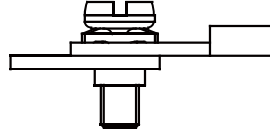
# 470M-4Z-C1 series

# Rail Transit Relay Socket



### Features

- Dielectric strength: Up to 1500V AC, Insulation Resistance 1000MΩ
- Integrated protection circuit enables power-on status indication, circuit protection, and expansion of relay input voltage range
- Compatible with IEC standard TH35-7.5, TH35-15 DIN rails, applicable in rail transit;
- Coding pin: Available  
Compatible relays: HF470M, HFD470M




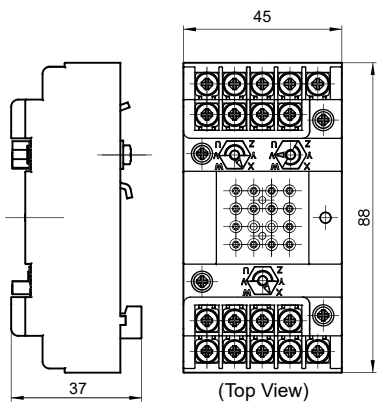
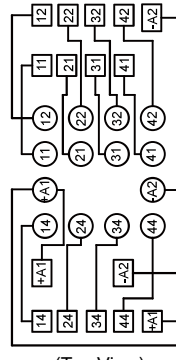
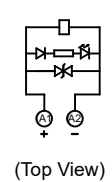
## CHARACTERISTICS

Type	Nominal Voltage	Nominal Current	Ambient Temperature	Input voltage at the socket coil terminal	Relay coil voltage	Screw Torque*
470M-4Z-C1-D24	250VAC	3A	-25°C to 70°C	6 to 24 VDC	6 to 24 VDC	0.8N·m
470M-4Z-C1-D36	250VAC	3A	-25°C to 70°C	36 to 48 VDC	36 to 48 VDC	0.8N·m
470M-4Z-C1-D72	250VAC	3A	-25°C to 70°C	72 VDC	72 VDC	0.8N·m
470M-4Z-C1-D110	250VAC	3A	-25°C to 70°C	110 VDC	110 VDC	0.8N·m

## ORDERING INFORMATION

Type	470M	-4Z	-C1	-D24	(XXX)
Contact arrangement	4Z: 4 Form C				
Termination & mounting	C2: Gasket screw Relay Socket				
Input voltage specification	D24/D36/D72/D110				
Special code	XXX: The customer special requirement Nil: Standard type				

## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

Socket (If need accessory, please order with type.)	Outline Dimensions	Wiring Diagram	Circuit diagram
470M-4Z-C1-□□□□    Gasket screw terminal, DIN rail mounting	 (Top View)	 (Top View)	 (Top View)



HONGFA RELAY

ISO9001、IATF16949、ISO14001、ISO45001、IECQ QC 080000 CERTIFIED

2025 Rev. 1.00

Things to be noticed when selecting sockets:

1. Please choose suitable relay socket according to the actual mounting environment, relay contact poles and terminal layout. If there is any query on selection, please contact Hongfa for the technical service;
2. Relevant accessories must be selected separately. Please indicate the model of the selected accessories when ordering;
3. Main outline dimension, outline dimension > 50mm, tolerance should be  $\pm 1\text{mm}$ ;  $20\text{mm} < \text{outline dimension} \leq 50\text{mm}$ , tolerance should be  $\pm 0.5\text{mm}$ ;  $5\text{mm} < \text{outline dimension} \leq 20\text{mm}$ , tolerance should be  $\pm 0.4\text{mm}$ , outline dimension  $\leq 5\text{mm}$ , tolerance should be  $\pm 0.3\text{mm}$ ;
4. DIN rail mounting: recommend to use TH 35-7.5 mounting rails compliant with TH 35-15 and TH 35-7.5. For non-standard rail requirements, please consult our sales department for compatibility verification;
5. Use a PH1-type screwdriver bit for terminal connections. Maximum screw torque: 0.8 N·m.

## 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.

## 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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