

Power Module

Z3PW-D24



INTRODUCTION



Sunban Industrial Park

Hongfa, (Shanghai Stock Exchange: 600885), founded in 1984, has been adhering to the enterprise spirit of “persevere for progress, strive for excellence”, and has built a complete industry system with complete categories and supporting facilities. At present, Hongfa has more than 30 subsidiaries and has established three districts of R & D and production bases. Its products cover various categories, such as medium and low voltage products, relays, high and low voltage switchgear, capacitors, precision parts and automation equipment.

Xiamen Hongfa Electrical Safety & Controls Co., Ltd. is a wholly-owned subsidiary of Hongfa, which specializes in R & D, design and manufacture medium and low voltage products. Its distribution apparatus, terminal apparatus, control apparatus and other products are widely used in real estate, electric power, new energy, industry, HVAC, transportation, information and other fields.

In the United States, Europe, Southeast Asia and other regions, Hongfa has established localized marketing and service networks with global market operation and technical service. Relying on professional and rigorous technical support, fast response and all-round service, safe and reliable product quality and high cost performance, Hongfa has reached business cooperation relationship with many global top 500 enterprises and other well-known enterprises, such as Enel, GE, Honeywell, Carrier, Trane, Johnson Controls, Danfoss, State Grid, China Southern Power Grid, CRRC, China Mobile, China Unicom, etc.



Donglin Industrial Park



Haicang Industrial Park



Zhongjiang Industrial Park



Zhangzhou Industrial Park



Zhoushan Industrial Park



Xi'an Factory

In terms of technology R & D and manufacturing, taking the national enterprise technology center as the platform, Hongfa has set up postdoctoral research workstation, academician and expert workstation. Now it has developed into a leading scientific research and production base in the industry. From product development, mold manufacturing, parts manufacturing, automated product assembly and online testing, Hongfa has successfully built an integrated whole industry chain of medium and low voltage products. In terms of product testing, Hongfa testing center has passed the certification of VDE, UL, CNAS and other international organizations, and has complete testing and analysis equipment for low-voltage products, such as 50kA ultimate short circuit test, 8kA electrical life test, 80kA characteristic test, mechanical simulation and testing system, electro-magnetic simulation and testing system.

Hongfa always adheres to the policy of "focused on the market, winning through quality", and has a completed quality assurance system. Its products have passed UL / CUL, VDE, CQC, CCC and other international safety certification. In the process of quality management, Hongfa actively implements the advanced quality concept, constantly improves the quality management system, continuously promotes the product process quality control and testing, strengthens the supply chain management, and is committed to providing each customer with high-quality products and creating greater value.

Advanced technology and strict quality control have created Hongfa's brand strength. Hongfa is willing to work hand in hand with global customers to share the convenience and well-being brought by science and technology.

CONTENT

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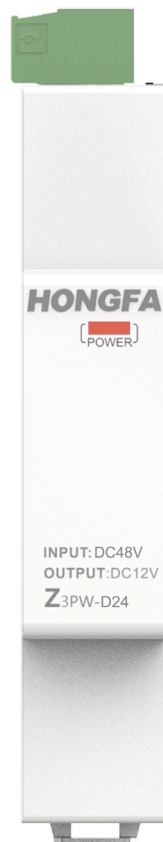
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Product Overview

Scope of Application

This series of accessories are auxiliary functional components that are matched with UEZ3D-125 series smart breakers. They are applicable to circuits with a rated input voltage of 20Vd. c. to 80Vd. c., a rated output voltage of 12Vd. c., and a rated power of 24W. In electrical circuits such as 5G base stations and power distribution systems, switch power supplies are selected as needed to achieve normal power supply for smart breakers, gateways, and other products.

Product sturcture



Standard Operation and Installation Conditions

- Operating temperature range: -25 °C...+70 °C (monthly average temperature \leq 35 °C)
- Storage temperature range: -40 °C...+80 °C
- Relative humidity: annual average: < 75%; 30 days (these days are naturally distributed throughout the year): 95%; accidental occurrence on other days: 85%
- Altitude: not exceeding 2000m
- Pollution degree: 2
- Environmental conditions: There should be no media that cause explosion hazards, nor harmful gases and conductive dust that corrode and damage insulation
- Installation conditions: 35mm standard DIN rail installation; No more than 5 times the geomagnetic field in any direction

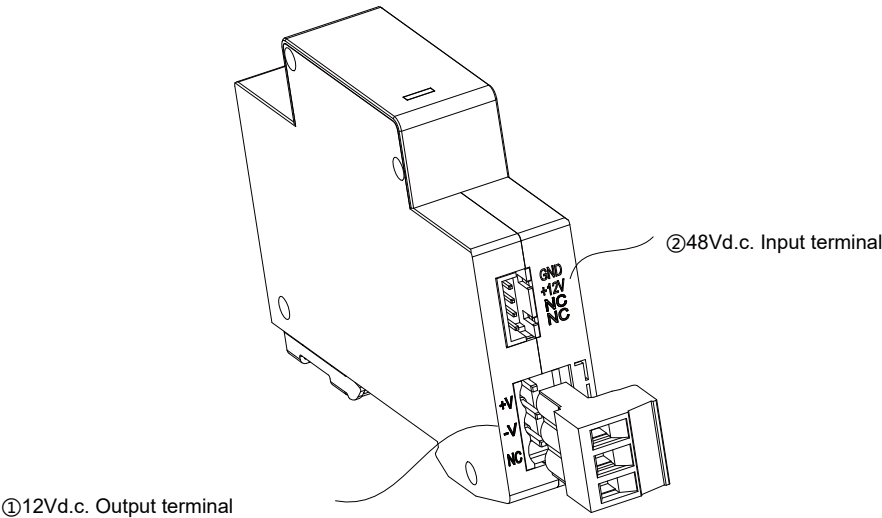
Ordering Information

	Z	3	PW	-D	24
Product Code: Smart Breaker Accessory					
Design serial number: 3					
Accessory type: power module					
Power module input load type: D: DC					
Power supply module power: 24W					

Technical parameter

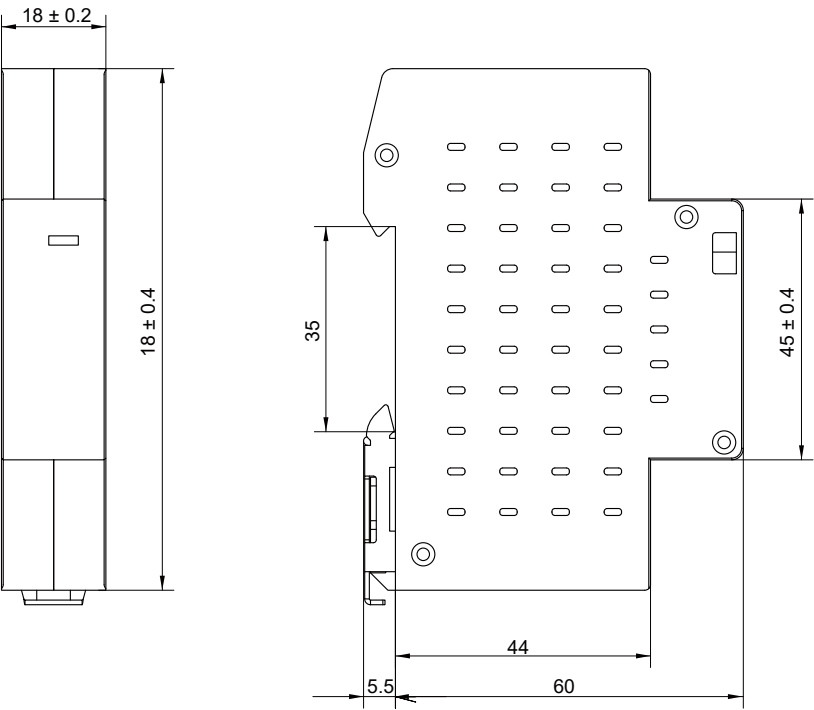
Type		Z3PW-D24
Output	DC voltage	12V
	Rated current	2A
	Current range	0~2A
	Ripple and Noise	100mVp-p
	Voltage accuracy	±5%
Input	Voltage range	DC:20 V ~80V
	Efficiency	80%
EMC immunity (Overall test of supporting breaker)	Electrostatic discharge test	Conduct with reference to GB/T17626.2-2008. Severity level 3, air discharge 8kV; Contact discharge 6kV.
	Surge test	Refer to GB/T17626.5-2008. Severity level 4, common mode: 4kV, differential mode: 2kV
	Electrical fast transient burst immunity test	Refer to GB/T17626.4-2008. Severity level 4, power supply terminal 4kV (peak), I/O signal, data, and control port 2kV (peak).
Others	Weight (g)	52
	Packaging information	Carton 405mm×223mm×248mm

Terminal description



Overall Dimensions

Unit: mm





Learn more information, please visit our website

www.hongfa.com



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