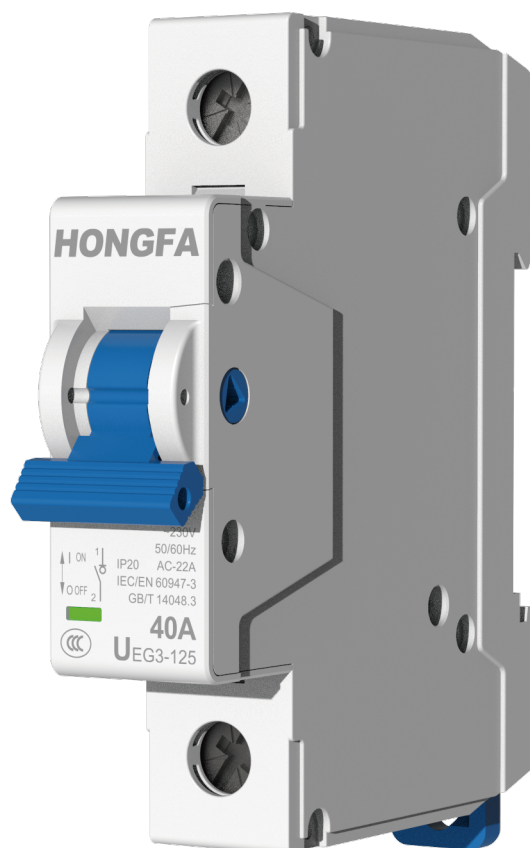


## Disconnect Switches

UEG3-125 Series



# 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.

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## Production Overview

### Scope of Application

UEG3-125 series disconnect switches are suitable for insulation and functional breaking with contact position indication in terminal power distribution system . It's used for AC 50Hz/60Hz, rated operational voltage 230V/400V , rated operational current up to 125A, for buildings and similar places in the line facilities, industrial power distribution system, mainly for connect or disconnect the circuit under no load condition, for the line and the power supply connection or insulation, especially suitable for circuit maintenance effectively insulate the power supply and prevent accidental closure of circuit to ensure the safety of maintenance personnel. It can also be used for infrequent on-off operation.

### Product Features

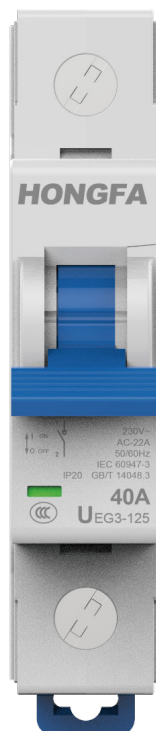
#### Provide safe use and protection

- Red and green indicating window to indicate the opening and closing status of the contact
- Level 2 electric shock protection for safer operation
- Rated insulation voltage up to 1000V, excellent insulation strength




#### Convenient installation

- Dual stable snap-on design for easy installation and disassembly

### Product Appearance



## Standard

	CCC	GB/T 14048.3
	CE	EN 60947-3
	UKCA	BS EN60947-3

## Standard Operation And Installation Conditions

- Operating temperature range: -35℃...+70℃
- Storage temperature range: -40℃...+85℃
- Altitude: < 2000m
- Pollution degree: 3
- Mounting category: III
- Mounting condition: Install on 35mm DIN rail, the inclination between the mounting surface and the vertical surface not exceed ±5°

## Ordering Information

	UE	G	3	- 125	/125	1
<b>Enterprise Code:</b> HESC						
<b>Product Code:</b> Disconnect Switches						
<b>Design SN:</b> 3						
<b>Maximum rated current:</b> 125A						
<b>Rated Current:</b> 32: 32A; 40: 40A; 50: 50A; 63: 63A; 80: 80A; 100: 100A; 125: 125A						
<b>Number of Poles:</b> 1: 1P; 2: 2P; 3: 3P; 4: 4P						

## Main Technical Data

Electrical Characteristics		
Number of poles		1P, 2P, 3P, 4P
Rated current $I_n$	A	32, 40, 50, 63, 80, 100, 125
Rated voltage $U_e$	V/AC	230 (1P); 400 (2P, 3P, 4P);
Rated frequency	Hz	50/60
Rated short time withstand current $I_{cw}$		$12I_n/1s$
Rated short circuit making up capacity $I_{cm}$		$20I_n$
Rated insulation withstand voltage $U_i$	V	1000
Rated impulse withstand voltage $U_{imp}$	kV	6
Utilization category		AC-22A
Mechanical Characteristics		
Mechanical endurance	cycles	10000
Electrical endurance	cycles	4000 ( $\leq 100A$ ) 1500(125A)
Protection degree		IP20
Contact position indication		OFF = Green ON = Red
Resistance to moisture and heat (GB/T 2423.4)		28 cycles (55°C/90%-96% RH, 25°C/95%-100% RH)
Resistance to mechanical shock (GB/T 2423.5)		150 m/s <sup>2</sup> , for 11ms half-wave, 18 times of shock
Vibration resistance (GB/T 2423.10)		25~150Hz, 50 m/s <sup>2</sup> , for 90min; 35Hz, 60 m/s <sup>2</sup> , for 45min
Other Characteristics		
Weight (g)	1P	75
	2P	154
	3P	231
	4P	306
Product Packaging		Carton 430mm×290mm×260mm
Wiring method		Both upper and bottom incoming

## Wiring Capacity

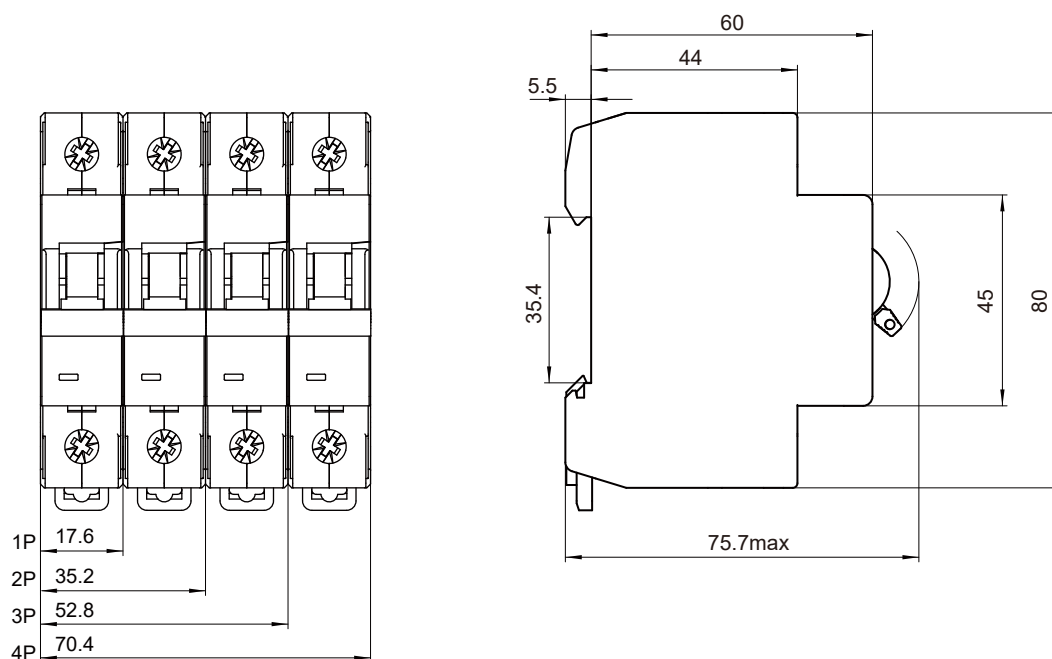
Press wiring, connection with 4mm<sup>2</sup>...50mm<sup>2</sup> wire.

Terminal screw specification	Rated torque	EN/IEC standard torque	Sectional area of copper wire (Flexible wire or hoop terminals)	Sectional area of copper wire (Solid wire)
M7	3.5N·m	3.5N·m	4mm <sup>2</sup> ...35mm <sup>2</sup>	4mm <sup>2</sup> ...50mm <sup>2</sup>



## Dimensions

Unit: mm



Note: The tolerance for width is  $\pm 0.4$  (1P/1PN/2P),  $\pm 0.8$  (3P/3PN/4P), and the remaining tolerance is  $\pm 1$

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