



P Series Installation Devices

Low voltage



GACIA ELECTRICAL APPLIANCE CO., LTD.

GACIA

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GACIA



Company Profile

Gacia Electrical Appliance Co., Ltd is an export-oriented high-tech enterprise specializing in R&D, production and sales of various low-voltage circuit breakers. The company was established in August 2002 and is headquartered in Wenzhou. After 20 years of development, it has formed a three-in-one strategic layout of Zhejiang, Jiangxi, and Shanghai. The plant area is 160,000 square meters, the company has 1,200 employees and has an annual output of 100,000,000 poles of MCB, 4,000,000 pcs of RCCB/RCBO, and 300,000 pcs of MCCB.

Gacia adhere to business principle referring to "customer-centric, Altruism and Win-win". Besides, Gacia devoted to utilize innovation to drive production improvement, take advantage of lean production to upgrade products quality and committed to become the pacemaker of the global circuit breaker industrial. The products are sold best in more than 60

countries and regions in all of the world. Long-term cooperative relations have been established with three enterprises of the world's top 500. The annual R & D investment on new products is not less than 5% of the annual sales, and has won more than 130 national patents, including 12 invention patents, and participated in the formulation of a number of industry standards that applied for the registration of international trademarks in 123 countries and regions. Overseas independent brand agents were set up in 38 countries and more than 80 international product certifications were obtained. The "GACIA" trademark was recognized as the "recommended brand of China's export products by the Ministry of Commerce".

GACIA

Smart Factory

- Make manufacturing more transparent
- Make delivery faster
- Make decisions smarter



- Accessories for installation devices PB8N,PB8H
- Auxiliary contacts synchronnous with main contacts of the device
- Signal contacts active on electrical tripping of the circuit breaker
- Shunt release
- Undervoltage release
- Overvoltage release
- According to IEC/EN 60947-1 and IEC/EN 60947-5-1



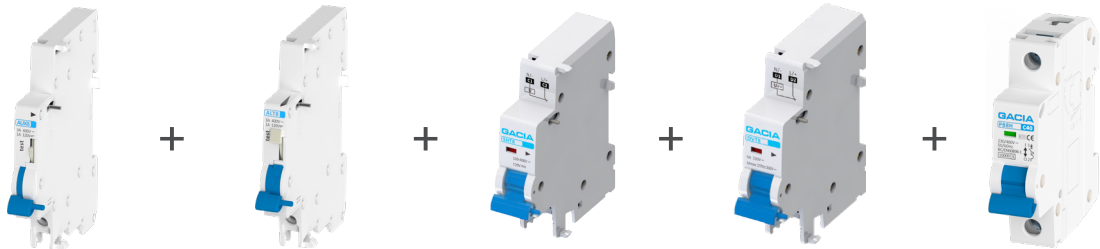
Accessories are designed in the way to be possible to combine different types with one installation device. It can be used up to two releases plus up to two units of auxiliary or signal contacts.

Release units are mounted from the left to the installation device. Auxiliary and signal contact units must be mounted from the left to the device or to the release unit(s) when installed.

Type Key

AUX8	ALT8	SHT8	SHTA8	UVT8	OVT8	OUVT8
Auxiliary contact	Alarm contact	Shunt release	Shunt release + AUX	Undervoltage release	Overvoltage release	OVT+UVT
AUX8	ALT8	SHT8	SHTA8	UVT8	OVT8	OUVT8

Combination of MCB Accessories



Auxiliary Contact

■ Function

Indicating the on/off state of circuit breaker.

■ Application

Distant indication of circuit breaker state.



Order Code		AUX8
Voltage Ue	AC	230/400V
	DC	120V
Rated Frequency		50/60Hz
Red Mechanical Indication		-
Testing Function		Yes
Working Current		230V AC 6A
		400V AC 3A
		120V DC 1A
Contact Number		1NO/NC
Working Temperature		-35~+70°C

Wiring Diagrams



Alarm Contact

■ Function

-Sending signal at the time of fault tripping of circuit breaker.

-On the front panel, there is mechanical indication which can indicate fault tripping.

■ Application

Sending signals at the time of fault tripping.



Order Code		ALT8
Voltage Ue	AC	230/400V
	DC	120V
Rated Frequency		50/60Hz
Red Mechanical Indication		Yes
Testing Function		Yes
Working Current		230V AC 6A
		400V AC 3A
		120V DC 1A
Contact Number		1NO/NC
Working Temperature		-35~+70°C

Wiring Diagrams



Shunt Release

■ Function

When it gets signal, it triggers the circuit breaker to trip.

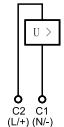
■ Application

-Distant control can achieve emergency breaking.

-Distant indication of circuit breaker state.

Order Code		SHT8-230	SHT8-24	SHT8-12
Voltage Ue	AC	230/400V	24V	12V
	DC	120V	24V	12V
Rated Frequency		50/60Hz		
Red Mechanical Indication		Yes		
Testing Function		-		
Working Current		-		
Contact Number		-		
Working Temperature		-35~+70°C		

Wiring Diagrams



Shunt Release+Aux

■ Function

-When it gets signal, it triggers the circuit breaker to trip.

-SHTA6: It includes a condition indication contact to indicate the on/off state of circuit breaker.

■ Application

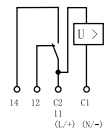
-Distant control can achieve emergency breaking.

-Distant indication of circuit breaker state.



Order Code		SHTA8-230	SHTA8-24	SHTA8-12
Voltage Ue	AC	230/400V	24V	12V
	DC	120V	24V	12V
Rated Frequency		50/60Hz		
Red Mechanical Indication		Yes		
Testing Function		-		
Working Current		230V AC 6A		
		400V AC 3A		
		120V AC 1A		
Contact Number		1NO/NC		
Working Temperature		-35~+70°C		

Wiring Diagrams



Undervoltage Release

■ Function

-When power voltage lowers(35%~70%Un), it makes circuit breaker trip;When power is not supplied normally, it prevents circuit breaker from reconnecting to the circuit.
-0.2S time delay prevents the temporary lowering of voltage from causing mistrip.

■ Application

Preventing machine from restarting without control signal, ensuring safety.



Order Code		UVT8-230	UVT8-230S
Voltage Ue	AC	230V	230V
	DC	-	-
Rated Frequency		50/60Hz	
Red Mechanical Indication		Yes	
Testing Function		-	
Working Current		-	
Contact Number		-	
Working Temperature		-35~+70°C	

Wiring Diagrams



Overvoltage Release

■ Function

Monitor voltage between phase line and neutral line, When voltage rises(for example, neutral line is broken), it triggers circuit breaker to trip.
Rated tripping voltage range: 280V AC±5%

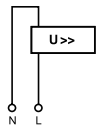
■ Application

Preventing over-voltage from damaging circuit and equipment.



Order Code		OVT8-230
Voltage Ue	AC	230V
	DC	-
Rated Frequency		50/60Hz
Red Mechanical Indication		Yes
Testing Function		-
Working Current		-
Contact Number		-
Working Temperature		-35~+70°C

Wiring Diagrams



Over&Under-Voltage Release

■ Function

-It has function of over-voltage release, and function of making circuit breaker trip when power voltage lowers.
-Rated tripping voltage range: 280V AC±5%.
-Rated under-voltage tripping range: 55~160V.

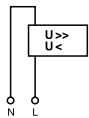
■ Application

Preventing over-voltage and under-voltage from damaging circuit and equipment.



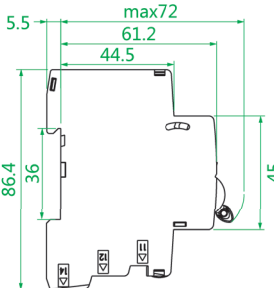
Order Code		OUVT8-230
Voltage Ue	AC	230V
	DC	-
Rated Frequency		50/60Hz
Red Mechanical Indication		Yes
Testing Function		-
Working Current		-
Contact Number		-
Working Temperature		-35~+70°C

Wiring Diagrams

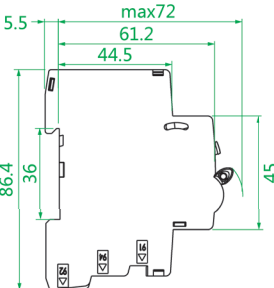


Accessories Dimensions

AUX8



ALT8



SHT8/SHTA8/UVT8/OVT8/OUVT8

