



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".



Smart Factory

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



Miniature Circuit Breaker

P8GH,10kA



Miniature Circuit Breaker according to IEC/EN 60947-2

Rated short circuit breaking capacity 10kA

1 up to 4 pole versions

Tripping characteristics C, D

Rated current up to 125A

Rated operational voltage 230/400V AC

Both fork and pin busbars connection



P8GH miniature circuit breaker is an automatically operated electrical switch designed to protect an electrical circuit from damage caused by excess current from an overload or short circuit. Its basic function is to interrupt current flow after a fault is detected. They are common in domestic, commercial and industrial application.

It also can be used for non-frequent on-and-off switching operations under normal circumstances.

Type Key

P	8	G	H	1P	C	125
Product series	Product category	Design Code	Breaking capacity	Poles	Tripping curve	Rated current
Professional	8	MCB	10kA	1,1N,2,3,3N,4	C, D	63-125A

Certification Marks



Miniature Circuit Breaker

P8GH,10kA

Product Tips



- 1 Reversible line and load connection

2 Contacts position indication window

3 Rated short circuit breaking capacity 10000A
- 4 Wide range of accessories

5 Modifiable modules for ODM clients

6 The position of handle lock

Technical Data

Electrical Features		
International standard		IEC/EN 60947-2
Poles		1P, 1P+N, 2P, 3P, 3P+N, 4P
Rated current		63A, 80A, 100A, 125A
Tripping characteristics		C, D (IEC/EN 60898-1)
Rated breaking capacity	I_{cu}	10kA
Rated operational voltage	U_e	230/400V 240/415V AC
Minimum operational voltage	U_{min}	12V AC
Maximum operational voltage	U_{max}	440V AC
Rated frequency		50/60Hz
Rated insulated voltage	U_i	690V AC
Rated impulse withstand voltage	U_{imp}	6kV
Dielectric test voltage		2kV
Mechanical service life		10000 operation cycles
Electrical service life		5000 operation cycles
Line voltage connection		Arbitrary above or below

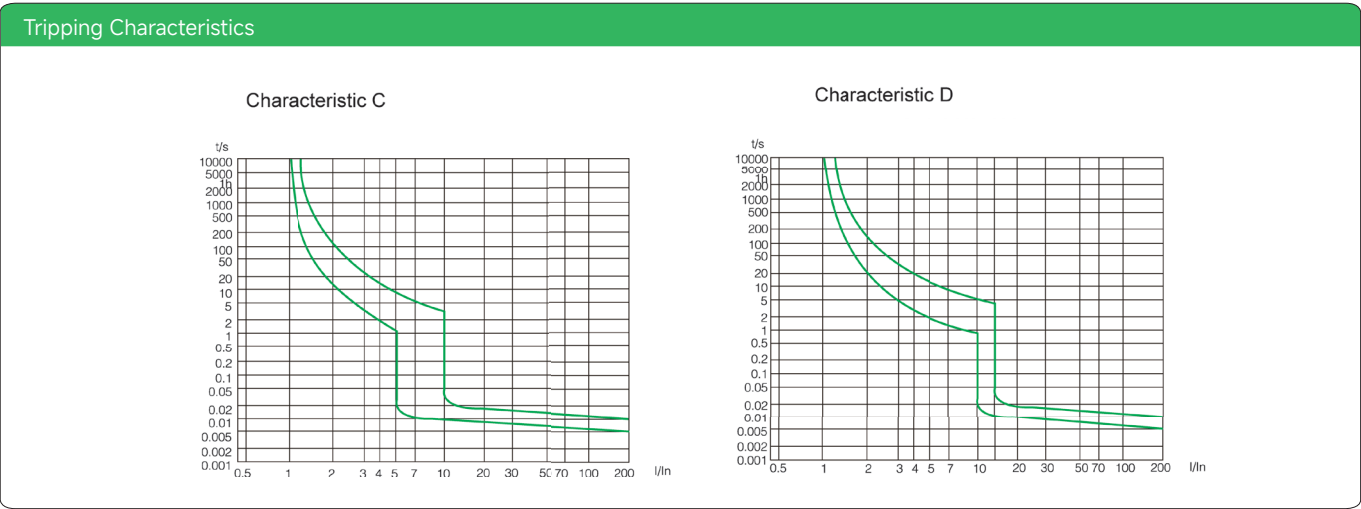
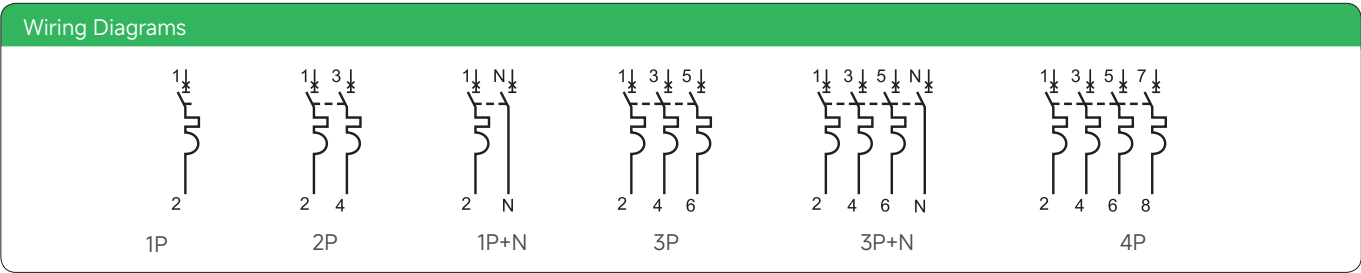
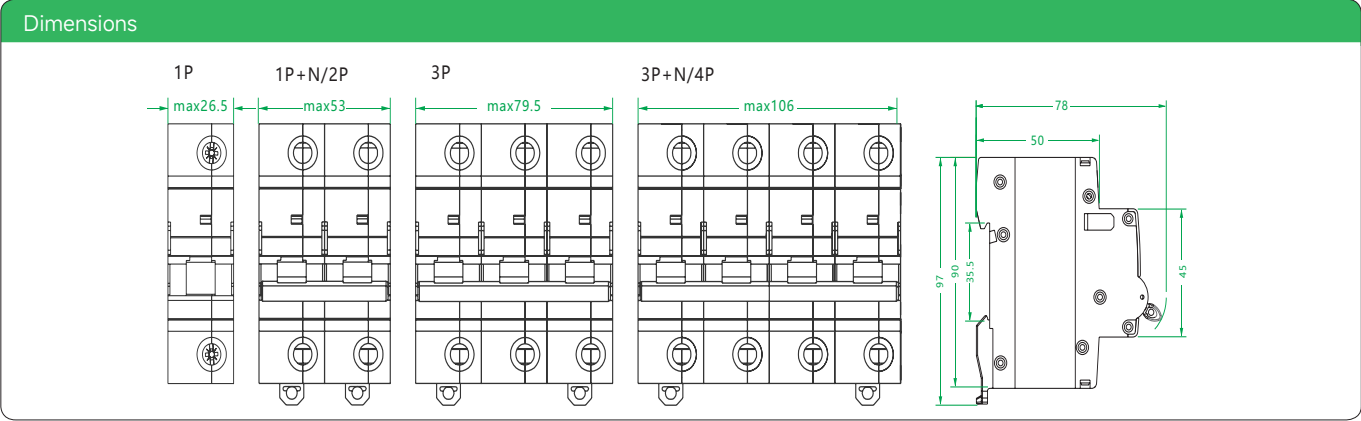
Installation Parameters	
Degree of protection (IP)	IP20, IP40 (when fitted)
Operating ambient temperature	-25°C ~+70°C
Terminal connection type	Cable/Busbar
Connectable conductor cross section	35mm ² Flexible / 50mm ² Rigid
Mounting	IEC/EN 60715 top-hat rail 35mm
Fastening torque of terminals	3.5N.m
Pollution degree	3
Reference temperature for setting of thermal element	30°C
Altitude	≤ 2000m
Relative humidity	≤ 95%
Installation class	III

Combination with Accessories	
Auxiliary contact	Yes
Alarm contact	Yes
Shunt release	Yes
Shunt release + Aux	Yes
Undervoltage release	Yes
Overvoltage release	Yes
Over & under voltage release	Yes

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Technical Data



Power Consumption		
Rated Current(A)	Voltage Drop(mV)	Consumption(W)
20	141	2.82
25	88	2.2
32	84	2.7
40	105	4.2
50	70	3.5
63	83	5.2
80	68	5.5
100	86	8.6
125	96	12