



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



Isolator DL

Modular Isolator (IEC/EN 60947-3)

Rated short-time withstand current $I_{cw}=12 \times I_e,1s$

1 up to 4 pole versions

Rated current up to 125A

Rated operational voltage 230/400V AC

Both fork and pin busbars connection

DL Isolator is used to ensure that an electrical circuit is completely de-energized for service or maintenance.

They are only used for breaking the circuit and are often found in electrical distribution and industrial applications, where machinery must have its source of driving power removed for adjustment or repair.

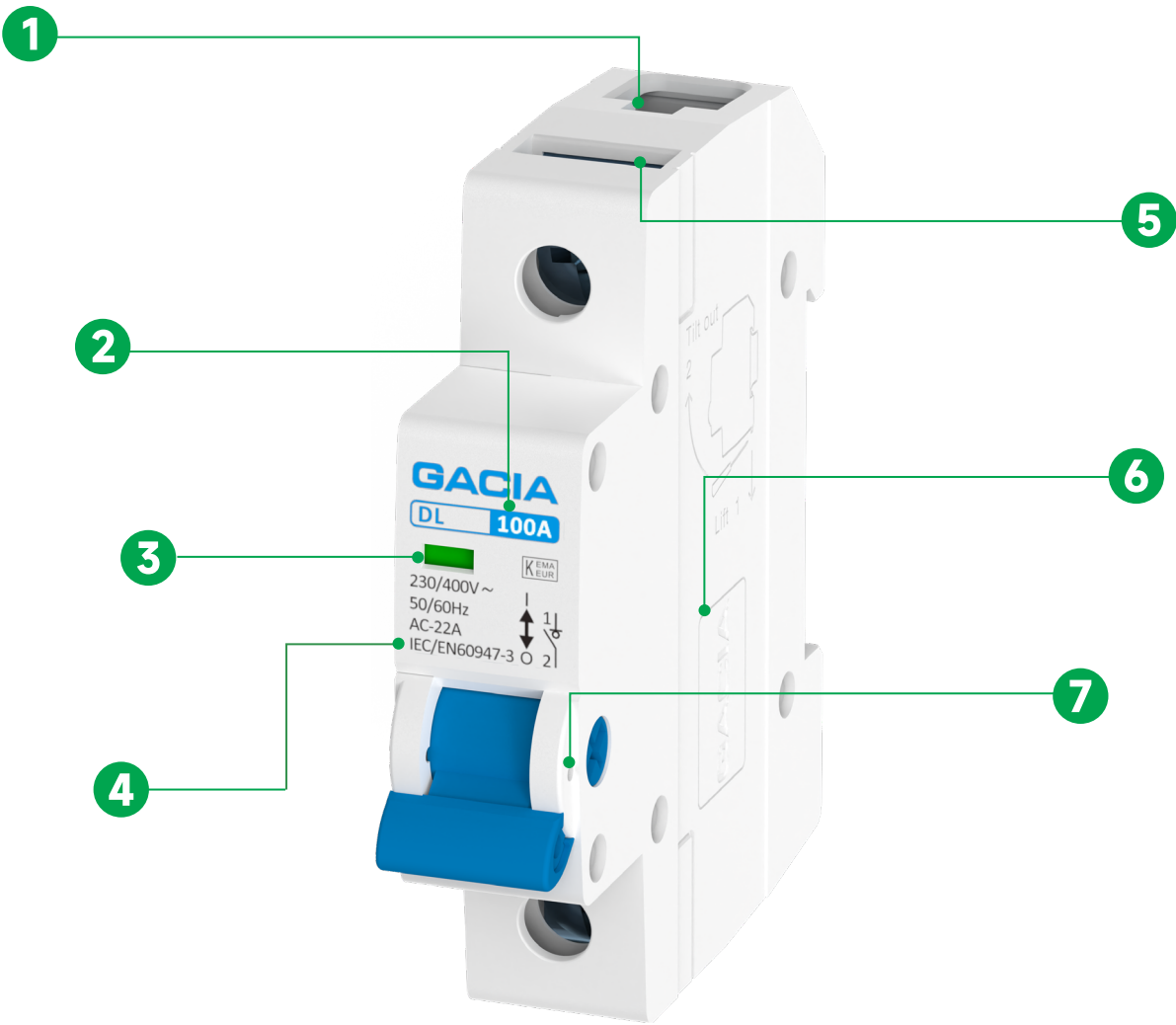
Type Key

DL	1P	100
Product category	Poles	Rated current
Isolator	1, 2, 3, 4	63-125A

Certification Marks



Product Tips



- 1

Reversible line and load connection
- 2

Rated current up to 125A
- 3

Contacts position indication window
- 4

International standards

5

Busbar interface

6

Modifiable modules for ODM clients

7

The position of handle lock

Technical Data

Electrical Features		
International standard		IEC/EN 60947-3
Poles		1P, 2P, 3P, 4P
Rated current		63-125A
Utilization category		AC-22A
Rated operational voltage U _e		230/400V AC
Rated frequency		50/60Hz
Rated insulated voltage U _i		500V AC
Rated impulse withstand voltage U _{imp}		6kV
Rated short-time withstand current I _{cw} , 1s		12×I _e
Rated short-time making capacity I _{cm}	I _n =63A	1260A
	I _n =80, 100, 125A	2500A
Mechanical service life		10000 operation cycles
Electrical service life		4000 operation cycles

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	16-50mm ²
Mounting	IEC/EN 60715 top-hat rail 35mm
Fastening torque of terminals	2-3.5N.m
Pollution degree	2
Altitude	≤ 2000m
Relative humidity	≤ 95%

Combination with Accessories	
Auxiliary contact	NO
Alarm contact	NO
Shunt release	NO
Shunt release + Aux	NO
Undervoltage release	NO
Overvoltage release	NO
Over & under voltage release	NO

Technical Data

