





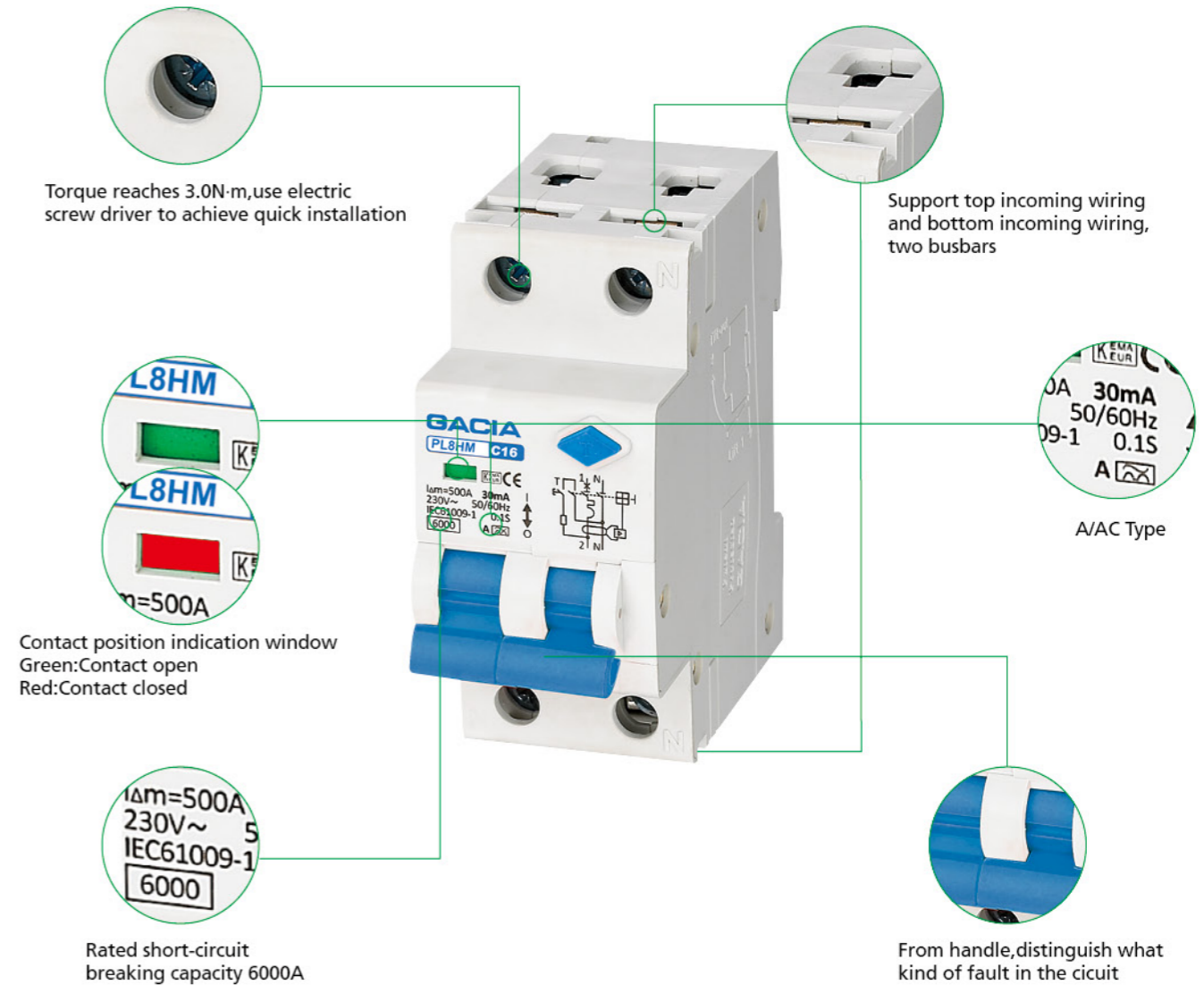


| Model  | PL8HM   | PL8HE  | PL8NT   |
|--|---|--|---|
| IEC/EN 61009-1   |  |  |  |
| Poles  | 1P+N  | 1P+N   | 1P+N  |
| Certification  |  |   |  |
| <b>Electrical Specification</b>  |   |  |   |
| Rated current(A)   | $I_n$ 6-32  | 6-32   | 6-32  |
| Rated frequency(Hz)  | 50/60   | 50/60  | 50/60   |
| Rated working voltage(V)   | $U_e$ 230   | 230  | 230   |
| Rated insulated voltage(V)   | $U_i$ 400   | 400  | 400   |
| Rated impulse withstand voltage(kV)                                      | $U_{imp}$ 4   | 4  | 4   |
| Rated short-circuit breaking capacity(KA)                                | $I_{cs}$ 6  | 6  | 4.5   |
| Rated Residual current(mA)   | $I_{\Delta n}$ 30,100,300   | 30,100,300   | 30,100,300  |
| Thermo-magnetic release characteristic                                   | B,C,D   | B,C,D  | B,C   |
| Residual current protection type   | Electromagnetic   | Electronic   | Electronic  |
| Residual current working type  | A,AC  | A,AC   | A,AC  |
| Rated residual making and breaking capacity(A) $I_m/I_{\Delta m}$        | 500   | 500  | 500   |
| Dielectric test voltage(kV)  | 2.5   |  |   |
| Service life (O-C)   | Mechanical Standard value   | 4000   | 4000  |
|  | Electrical Standard value   | 2000   | 2000  |
| <b>Control And Indication</b>  |   |  |   |
| Shunt release(SHT)   |   | ■  |   |
| Undervoltage release(UVT)  |   | ■  |   |
| Auxiliary contact(AUX)   |   | ■  |   |
| Alarm contact(ALT)   |   | ■  |   |
| Contact position indicator   |   | ■  |   |
| Fault indication   |   | -  |   |
| <b>Connection And Installation</b>                                       |   |  |   |
| Ambient temperature(with daily average $\leq 35^\circ\text{C}$ )         | -5 $^\circ\text{C}$ ~+40 $^\circ\text{C}$   |  |   |
| Protection degree  | ALL sides   | IP40   |   |
|  | Connection terminal   | IP20   |   |
| Wire(mm <sup>2</sup> )   | 1-16  | 1-16   | 1-6   |
| busbar(mm <sup>2</sup> )   | 16  | 16   | -   |
| Mounting   | Cable/Busbar  | Cable/Busbar   | Cable   |
| Pollution degree   | 2   |  |   |
| Reference temperature for setting of thermal element( $^\circ\text{C}$ ) | 30  |  |   |
| Storage temperature( $^\circ\text{C}$ )                                  | -25 $^\circ\text{C}$ ~+70 $^\circ\text{C}$  |  |   |
| Tightening torque  | 3.0   | 3.0  | 2.0   |
| Connection   | Top and bottom  | Top  | Top   |
| Dimensions(mm)<br>(WxHxL)  | a(2P)   | 35.7   | 17.7  |
|  | b(2P)   | 87   | 87  |
|  | c(2P)   | 77.5   | 77.5  |
| Weight(kg)   | 2P  | 0.18   | 0.11  |

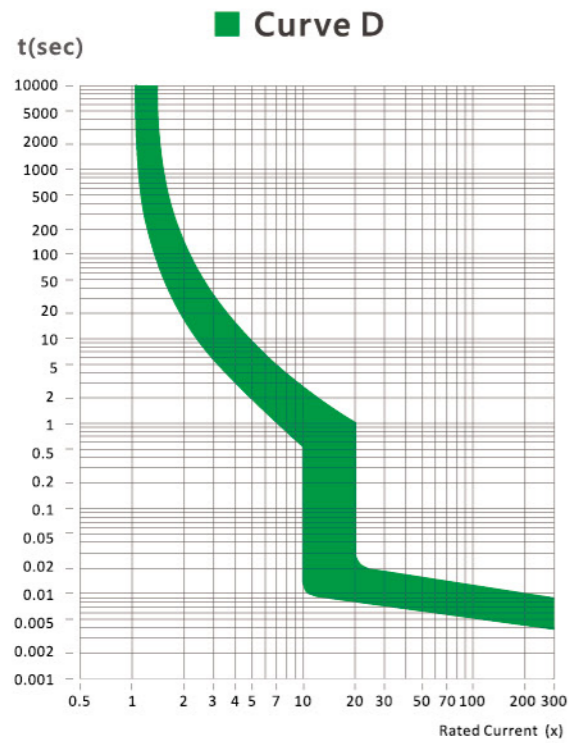
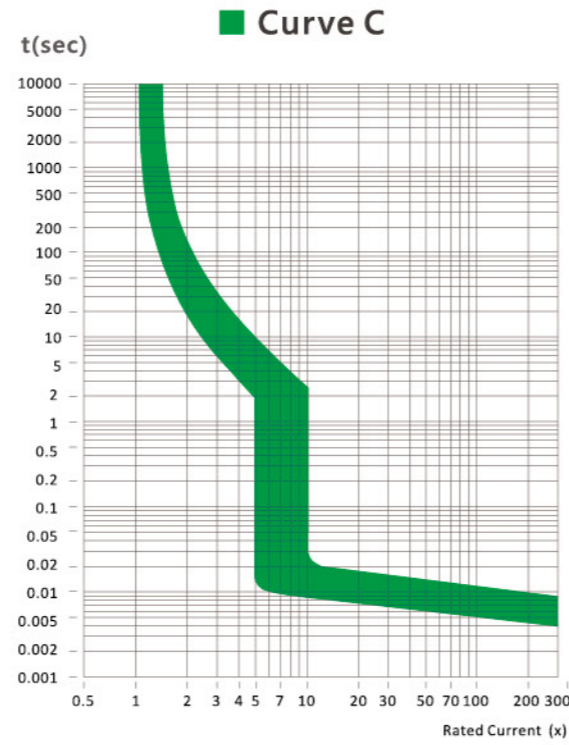
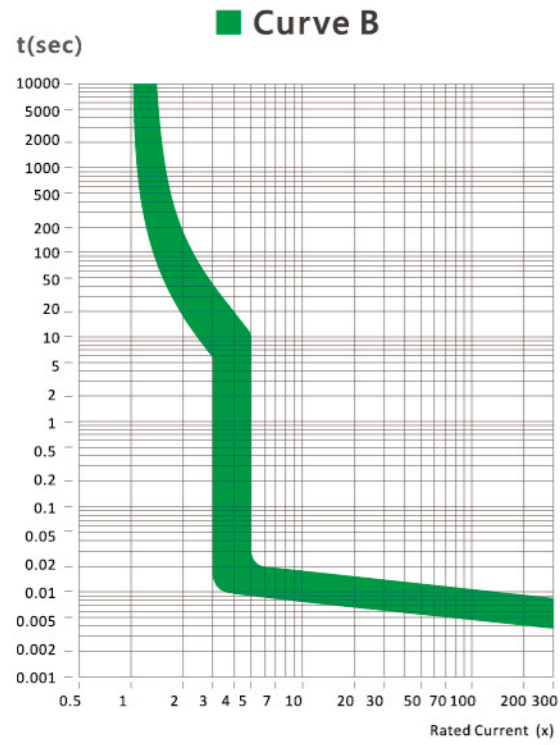
■ Default □ Optional - None



## Normal Working Conditions and Installation Conditions

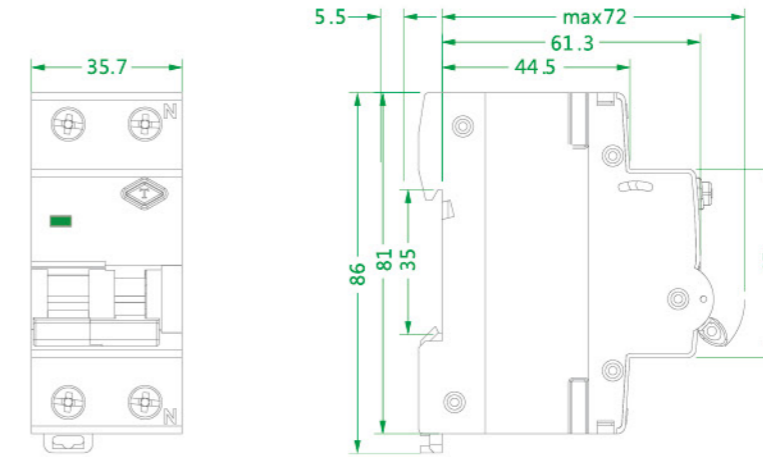
- ◆ Ambient Temperature: -5 $^\circ\text{C}$  ~+40 $^\circ\text{C}$  .
- ◆ Height above Sea Level:  $\leq 2000\text{m}$
- ◆ Installation Category: II, III
- ◆ Pollution Degree: 2
- ◆ The installation type adopts standard steel guide rail installation (TH35-7.5).
- ◆ Installation Conditions: The external magnetic field of the installation site shall not exceed 5 times of the earth's magnetic field in any direction. When over voltage residual current moves, the circuit breaker shall be installed vertically, and the upward position of the handle shall be connected to the power. The installation should be free from obvious impact and vibration.
- ◆ Mode of Connection: Use screws to press the wiring.

**Characteristics Curve**



**Dimensions**

◆ PL8HM/PL8HE



◆ PL8NT

