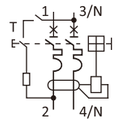
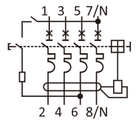
Technical Data

Wiring Diagrams



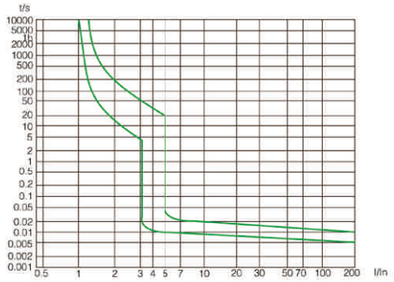
2P



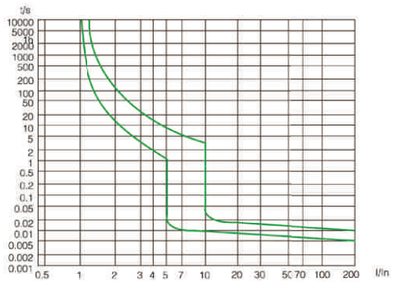
4P

Tripping Characteristics of MCB

Characteristic B



Characteristic C



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GACIA

PL8M2/PL8M4

GACIA ELECTRICAL APPLIANCE CO.,LTD.

Residual Current Circuit Breaker with Overload Protection

PL8M2 /PL8M4,6kA

- Residual Current Circuit Breaker with Overload Protection according to IEC/EN 61009-1
- Electromagnetic type
- Rated short circuit breaking capacity 6kA
- 2P，4P version
- Rated residual current 30, 100, 300mA
- Rated current up to 40A
- 4-module width
- AC and A types

PL8M2/PL8M4 residual current circuit breaker are based on combination of residual current device with permanent magnet principle and circuit breaker with thermal overload release and magnetic short circuit current release. It brings the advantage of voltage independent function of the residual current device.

They are common in domestic, commercial and industrial application.

Type Key

P	L	8	M	4	16A	30mA
Product series	Product category	Design code	Structure code	Poles	Rated current	Rated residual current
Professional	RCBO	8	Electromagnetic	2P, 4P	6-40A	30-300mA

Certification Marks

CE KEMA KEUR

Technical Data

Electrical Features		
International standard		IEC/EN 61009-1
Poles		2P, 4P
Tripping characteristics of MCB		B, C
Rated current		6-40A
Rated residual current	$I_{\triangle n}$	30, 100, 300mA
Residual current protection type		Electromagnetic
Rated breaking capacity	I_{cn}	6kA(6-40A), 10kA(6-16A)
Rated residual makingand breaking capacity(A)	$I_{\triangle m}$	3000A
Rated operational voltage	U_e	230/400V AC
Sensitivity to residual current		AC type- AC residual current A type- residual AC and pulsating DC current
Rated frequency		50/60Hz
Rated insulated voltage	U_i	500V AC
Rated impulse withstand voltage	U_{imp}	4kV
Dielectric test voltage		2.5kV
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℃ ~+70℃
Terminal connection type	Cable/Busbar
Connectable conductor cross section	1-25mm^2
Mounting	IEC/EN 60715 top-hat rail 35mm
Fastening torque of terminals	2-3.0N.m
Pollution degree	2
Reference temperature for setting of thermal element	30℃
Altitude	⩽ 2000m
Relative humidity	⩽ 95%
Resistance to humidity and heat	Class 2
Installation class	III

Dimensions