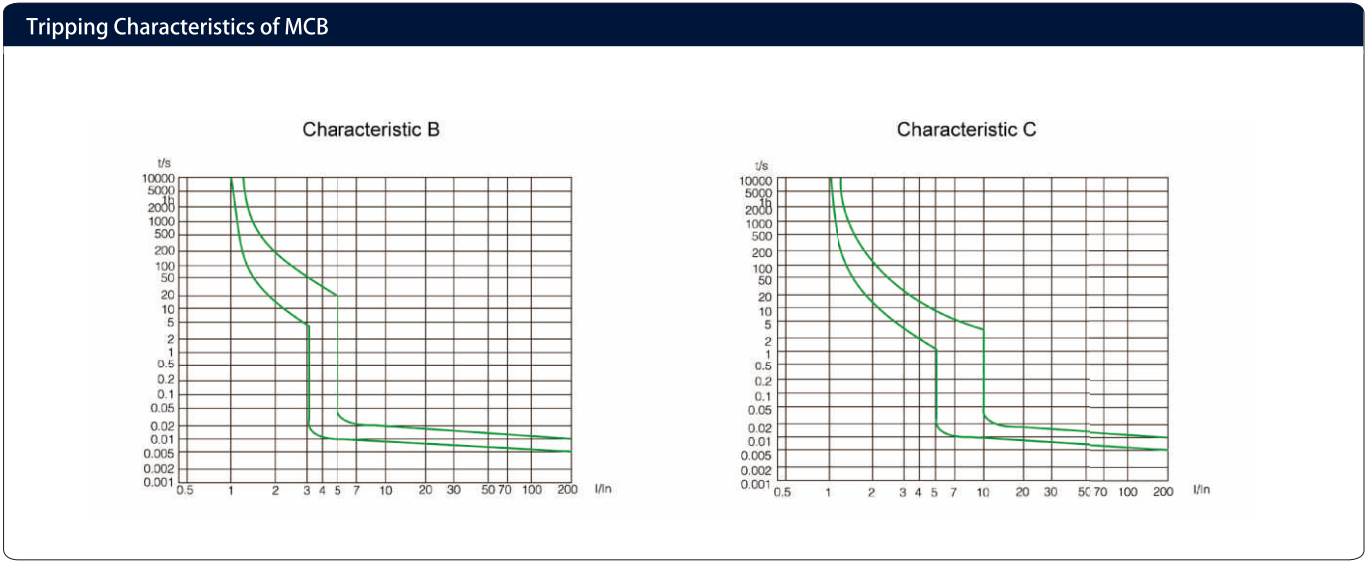


Technical Data

Wiring Diagrams

2P

4P



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



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 _{Δn}	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 _{Δm}	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°C ~+70°C
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°C
Altitude	≤ 2000m
Relative humidity	≤ 95%
Resistance to humidity and heat	Class 2
Installation class	III

Dimensions	