

MCB and Auxilliaries



**AVAILABLE FROM
NEPEAN ELECTRONICS**

NEPEAN Power is a proven leader in the supply and manufacture of quality engineered solutions, products and technologies. Established in 1994, through the commitment of our dedicated team we have become a supplier of choice.

The NEPEAN Power miniature circuit breaker is mainly used for protection against overload and short circuit under the AC 50Hz/60Hz, rated voltage 230V/400V and rated current from 1A to 63A. It also can be used for non-frequent on-and-off switch operation under normal circumstance.

Features

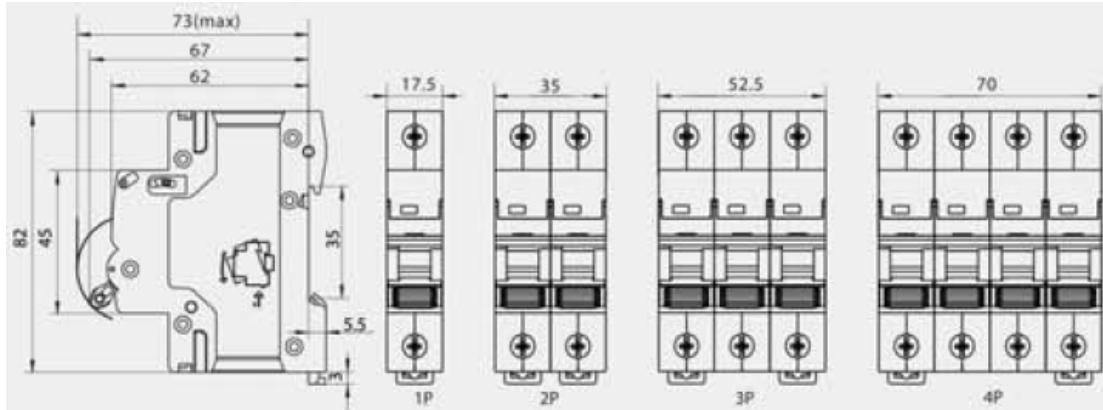
- Maximum connecting ability of 25mm², wiring torque 3N*m, applicable to a variety of installing equipment, wiring stronger
- Bilateral busbar wiring capabilities to adapt to the wider use of premises
- With indicator function in the contact position
- In compliance with IEC/EN60898-1
- Protection class: IP20

Technical Specifications

Rated Current In	1-63A
Poles	1P 2P 3P 4P
Rated Voltage Ue	1P: 240/415V~ 2/3/4P:415V~
Insulation Voltage Ui	500V
Rated Frequency	50/60Hz
Rated Breaking Capacity	10000A
Rated Impulse Withstand Voltage (1.2/50) Uimp	6kV
Dielectric Test Voltage at and ind.freq.for 1 min	2kV
Pollution degree	2
Thermo-magnetic Release Characteristic	B C D
Electrical Life	8000
Mechanical Life	20000

Contact Position Indicator	Yes
Protection Degree	IP20
Reference Temperature for Setting of Thermal Element	30°C
Ambient Temperature (With Daily Average ≤35°C)	-5~+ 40°C
Storage Temperature	-25~+ 70°C
Terminal Connection Type	Cable/U-type busbar/Pin-type busbar
Terminal Size Top/Bottom for Cable	25mm ² 18-3
Tightening Torque	3.0N*m
Mounting	On DIN rail FN 60715 (35mm) by means of fast clip device
Connection	Top and Bottom
Combination with Accessories	
Auxiliary Contact	Yes
Alarm Contact	Yes
Shunt Release	Yes
Under Voltage Release	Yes

MCB Diagram



Ordering Information

Type	Part Number	Description
MCB	M10-10-2C*	2 Pole 10kA 10A Din CB Curve C
	M10-10-3C*	3Pole 10kA 10A Din CB Curve C
	M10-16-2C*	2Pole 10kA 16A Din CB Curve C
	M10-2-1C*	1Pole 10kA 2A Din CB curve C
	M10-2-2C*	2Pole 10kA 2A Din CB Curve C
	M10-32-2C*	2Pole 10kA 32A Din CB Curve C
	M10-4-2C*	2Pole 10kA 4A Din CB Curve C
	M10-4-2D*	2Pole 10kA 4A Din CB curve D
	M10-50-2D*	2Pole 10kA 50A Din CB Curve D
	M10-6-1C*	1Pole 10kA 6A Din CB Curve C
	M10-6-2C*	2Pole 10kA 6A Din CB Curve C
	M10-6-3C*	3Pole 10kA 6A Din CB Curve C
	M10-20-2C	2Pole 10kA 20A Din CB Curve C
Auxiliaries	GYM9-ALARM*	GYM9 Din Breaker Alarm 1 x C/O
	GYM9-AUX*	GYM9 Din Breaker Aux 1 x C/O
	GYM9-ST-1*	GYM9 Shunt Trip AC/DC 110-380V
	GYM9-ST-2*	GYM9 Shunt Trip AC/DC 110-220V
	GYM9-ST-3*	GYM9 Shunt Trip AC/DC 24-48V
	GYM9-UV-1*	GYM9 Undervolt AC 110V, Single Phase
	GYM9-UV-1-3*	GYM9 Undervolt AC 110V 3P, Three Phase
	GYM9-UV-2*	GYM9 Undervolt AC 240V, Single Phase
	GYM9-UV-2-3*	GYM9 Undervolt AC 240V 3P, Three Phase
	GYM9-UV-3*	GYM9 Undervolt DC 48V, Single Phase
	GYM9-UV-3-3*	GYM9 Undervolt DC 48V 3P, Three Phase
GYM9-UV-4*	GYM9 Undervolt DC 24V, Single Phase	
GYM9-UV-4-3*	GYM9 Undervolt DC 24V 3P, Three Phase	



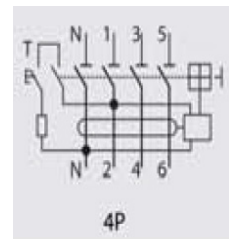
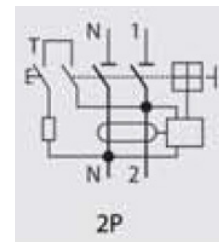
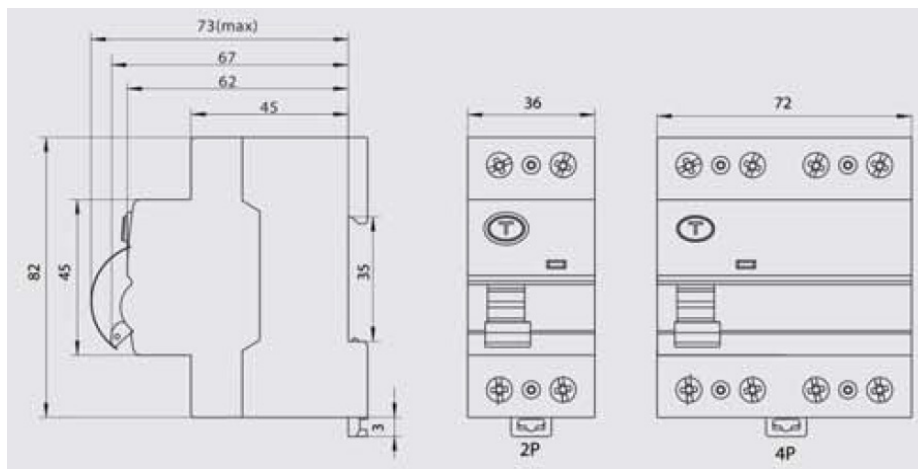
NEPEAN
Power

RCBO


The NEPEAN Power earth leakage circuit breaker is suitable to the circuit of AC50/60Hz, rated voltage 230V for 2 poles and 400V for 4 poles, and rated current up to 63A. When people come across the electric shock or the leakage current of the electrical network exceeds the fixed value, this product can cut off the fault current in short periods so as to protect the person and the equipment. It can also be used in the infrequent starting of the circuit and motors. The circuit breaker is suitable to industry, commerce, high-rise building, household and other kinds of places. This product meets the standard of IEC/EN61009-1.

Features

- Maximum connecting ability of 35mm², wiring torque 3.5N*m, applicable to a variety of installing equipment, wiring stronger
- Bilateral busbar wiring capabilities to adapt to the wider use of premises
- In compliance with IEC/EN61009-1
- With functions of fault indicator
- Protection class: IP20



Technical Specifications

Rated Current In	16. 25. 40. 63. 80. 100A
Poles	2P 4P
Rated Voltage Ue	2P: 240V~ 4P:415V~
Insulation Voltage Ui	500V
Rated Frequency	50/60Hz
Rated Sensitivity I Δ n	0.03A 0.1A 0.3A
Short-circuit Current Inc= I Δ c	6000A
SCPD Fuse	 10000
Break Time Under I Δ n	≤0.15
Rated Impulse Withstand Voltage (1.2/50) Uimp	6000V
Dielectric Test Voltage at and Ind. Freq.for 1 min	2.5kV
Electrical Life	4000
Mechanical Life	8000
Pollution Degree	2

Fault Current Indicator	Yes
Protection Degree	IP20
Ambient Temperature (With Daily Average ≤35°C)	-5~+ 40°C
Storage Temperature	-25~+ 70°C
Terminal Connection Type	Cable/U-type busbar/Pin-type busbar
Terminal Size Top/Bottom for Cable	25mm ² 18-3
Terminal Size Top/Bottom for Busbar	25mm ² 18-3
Tightening Torque	3.5N*m 22
Mounting	On DIN rail FN 60715 (35mm) by means of fast clip device
Connection	Top and Bottom



NEPEAN
Power

www.nepeanpower.com

For more information please contact:

P: +61 2 4088 2790

E: power@nepean.com

RCBO

Part Number Generator (for Custom Orders)

L6-50-3N-B-M01NL

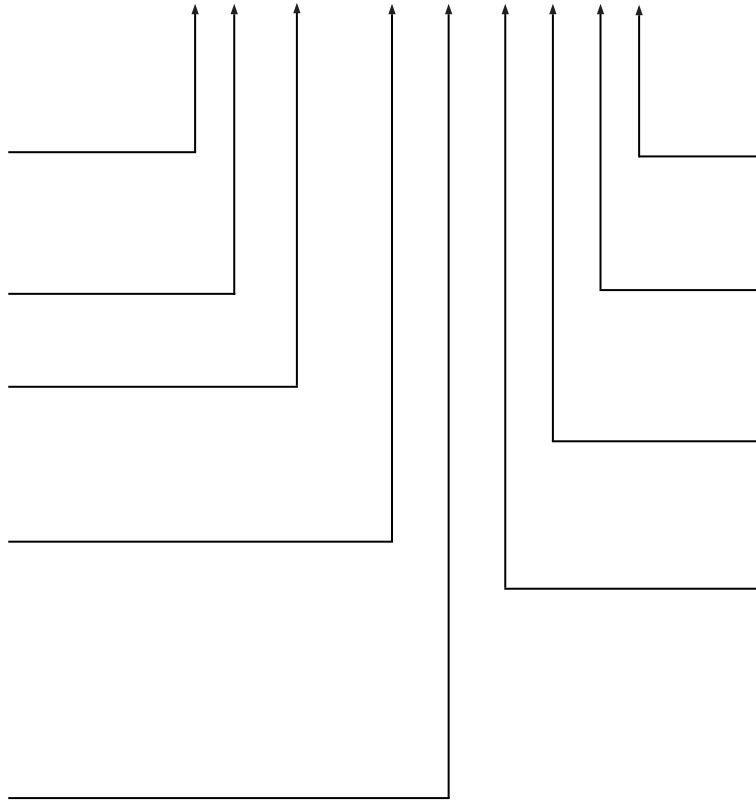
Type	
M	Circuit Breaker DIN Mounted
L	RCCB with Over Current Protection

KA Rating	
6	6kA

Amp Rating	
------------	--

Number of Poles	
1	Pole (18mm wide)
2	Pole
3	Pole
4	Pole (72mm wide) neutral with O/L
3N	Pole (72mm wide) neutral with <u>no</u> O/L

Overload Curve	
B	Trips above 3 times In up to 5 times In
C	Trips above 5 times In up to 10 times In
D	Trips above 10 times In up to 20 times In
S	DC Protection



EL Test Button Voltage	
L	110V AC System Test Button
N	240V AC System Test Button

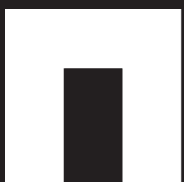
EL Trip Delay	
N	No Delay
S	Trip Delay <0.5 sec

EL Sensitivity	
01	10 mA
03	30 mA
10	100 mA
30	300 mA

Protection Function	
E	Electronic
M	Magnetic

Typical Ordering Information

Type	Part Number	Description
RCBO	L6-10-3NCM03NL*	4pole 6kA 10A Din CB 30mA + OC-110V
	L6-10-2CM03NL*	2Pole 6kA 10A Din CB 30mA + OC-110V
	L6-10-2CM10SL*	2Pole 6kA 10A Din CB 100mA + OC Delay- 110V
	L6-16-2CM03NL*	2Pole 6kA 16A Din CB 30mA + OC-110V
	L6-25-2CM30NL*	2Pole 6kA 25A Din CB 300mA + OC-110V
	L6-6-2CM03NL*	2Pole 6kA 6A Din CB 30mA + OC-110V
	L6-6-3NCM03NL*	4pole 6kA 6A Din CB 30mA + OC-110V
	L6-10-2CM03NL*	2Pole 6kA 10A Din CB 30mA + OC-110V
	L6-10-2CM03NN*	2Pole 6kA 10A Din CB 30mA + OC-240V
	L6-25-2CM03NN*	2Pole 6kA 25A Din CB 30mA + OC-240V
	L6-40-2CM10SN*	2Pole 6kA 40A Din CB 100mA + OC Delay-240V
	L6-63-2CE03NL*	2Pole 6kA 63A Din CB 30mA + OC-110V
	L6-63-2CM03NL*	2Pole 6kA 63A Din CB 30mA + OC-110V
	L6-63-2CM30NL*	2Pole 6kA 63A Din CB 300mA + OC-110V



NEPEAN
Power

www.nepeanpower.com

For more information please contact:

P: +61 2 4088 2790

E: power@nepean.com