

MCB/RCCB/RCBO/DC MCB

Miniature Circuit Breaker

Residual Current Circuit Breaker With Overcurrent Protection

Isolator switch

DC Miniature Circuit Breaker

Product Selection Guide



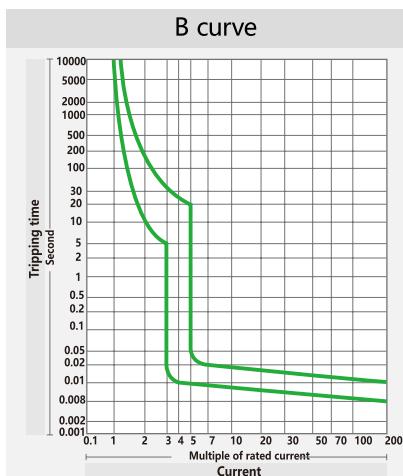


Technical Data

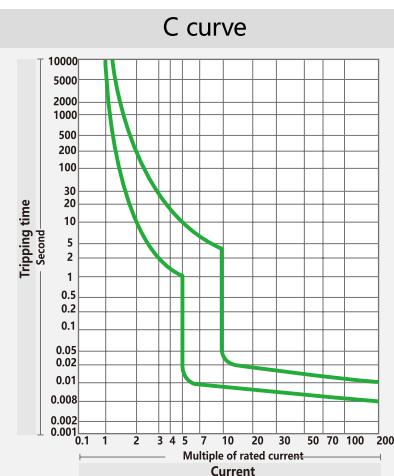
Protection	Over current and short circuit
Type of trip	Thermo-magnetic
No.of poles	1P,2P,3P,4P
Rated voltage (Ue)	230/400V~
Rated currents (In)	1,2,3,4,5,6,10,16,20,25,32,40,50,63A
Rated frequency	50/60Hz
Rated breaking capacity	4,500A
Rated impulse withstand voltage(1.2/50) (Uimp)	4,000V
Dielectric test voltage at Ind. Freq.for 1 min	2kV
Thermal release characteristic	(1.13-1.45) x In
Magnetic release characteristic	B:(3-5) x In, C:(5-10) x In, D:(10-20) x In
Electrical life	4,000 Cycles
Mechanical life	10,000 Cycles
Contact position indicator	Yes
Protection degree	IP20
Ambient temperature	-5°C to +40°C, Max.95% humidity
Terminal connection type	Cable/Pin-type busbar
Max.terminal size for cable	25mm ²
Max.tightening torque	2.5N.m
Installation	Mounting on 35mm DIN rail
Connection	From top and bottom

Tripping Characteristic

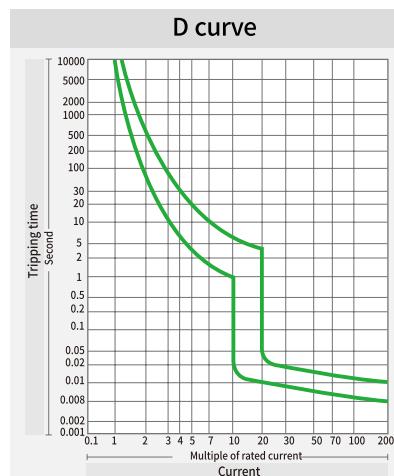
Curve	Rated current	Condition						
		Thermal release				Magnetic release		
		Non-tripping	Tripping	Non-tripping	Tripping time	Holding current	Tripping current	Tripping time
B	1-63A	$1.13 \times I_n$		$\leq 1h$		$3 \times I_n$		≥ 0.1
			$1.45 \times I_n$		$< 1h$		$5 \times I_n$	< 0.1
C	1-63A	$1.13 \times I_n$		$\leq 1h$		$5 \times I_n$		≥ 0.1
			$1.45 \times I_n$		$< 1h$		$10 \times I_n$	< 0.1
D	1-63A	$1.13 \times I_n$		$\leq 1h$		$10 \times I_n$		≥ 0.1
			$1.45 \times I_n$		$< 1h$		$20 \times I_n$	< 0.1



Universal use
- socket outlet, lighting device

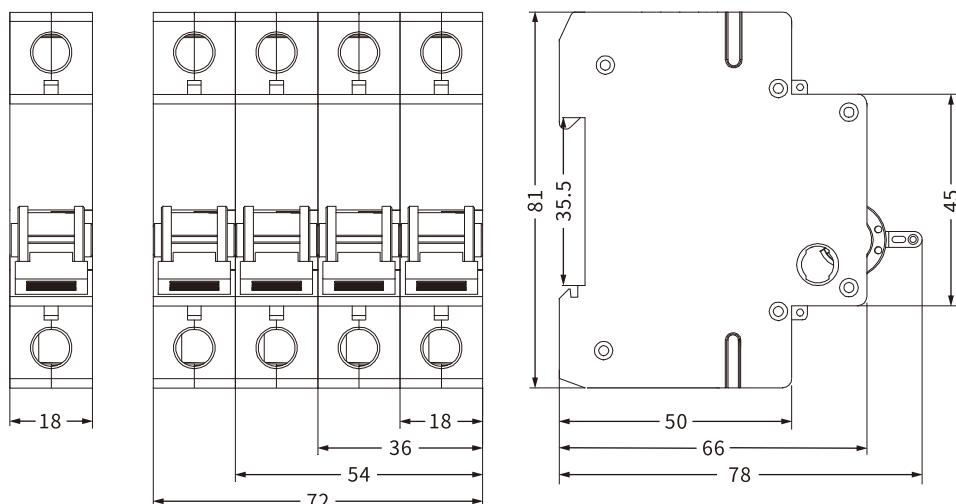


Resistive & inductive loads with
low inrush current
- lamp, high starting current motor



Loads with high inrush current
- transformer, solenoid valve,
2 pole motor

Overall and Installation Dimension(mm)





Technical Data

Rated current	1,2,3,4,5,6,8,10,13,16,20,25,32,40,50,63A
Number of poles	1P,2P,3P,4P
Rated voltage	230/400V
Insulation voltage	500V
Rated frequency	50/60Hz
Rated breaking capacity	6,000A
Energy limiting class	3
Rated impulse withstand voltage (1.5/50)	4,000V
Dielectric test voltage at Ind. Freq. for 1min	2kV
Pollution level	2
Thermal-magnetic release characteristics	B,C,D
Electrical life	8,000 Cycles
Mechanical life	20,000 Cycles
Contact position indicator	Yes
Protection level	IP20
Setting reference temperature for thermal element	30°C
Ambient temperature (daily mean≤35°C)	-5°C~+40°C
Storage temperature	-25°C~+70°C
Terminal connection type	Cable/Pin-type Busbar/U-type Busbar
Cable terminal dimensions (top to bottom)	25mm 18-3AWG
Pin-type busbar dimensions (top to bottom)	25mm 18-3AWG
Tightening torque	2.5nm 22In-lbs
Installation	On 35mm DIN Rail
Connection	Top to Bottom
Auxiliary contact	OF
Alarm contact	FB
Shunt release+Auxiliary	MX+OF
Over-voltage/Under-voltage release	MN+MV

MCB Characteristics

Test	Type	Test current	Initial state	Tripping or non-tripping time limit	Expected results	Remark
a	B,C,D	1.13I _n	Cold state ^a	$t \leq 1 \text{ h}$ (For $I_n \leq 63\text{A}$) $t \leq 2 \text{ h}$ (For $I_n > 63\text{A}$)	Non-tripping	
b		1.45I _n	Subsequent test ^a	$t < 1 \text{ h}$ (For $I_n \leq 63\text{A}$) $t < 2 \text{ h}$ (For $I_n > 63\text{A}$)	Tripping	The current increases steadily within 5s
c		2.55I _n	Cold state ^a	$1s < t < 60s$ (For $I_n \leq 32\text{A}$) $1s < t < 120s$ (For $I_n > 32\text{A}$)	Tripping	
d		3I _n 5I _n 10I _n	Cold state ^a	$t \leq 0.1\text{s}$	Non-tripping	Make the current by closing the auxiliary switch
e		5I _n 10I _n 20I _n ^b	Cold state ^a	$t < 0.1\text{s}$	Tripping	Make the current by closing the auxiliary switch

Note: Consider adding a test between c and d for type D circuit breakers.

a The term "cold" means no load before the test at the reference calibration temperature.

b The specific setting is 50I_n.

Tripping Characteristics

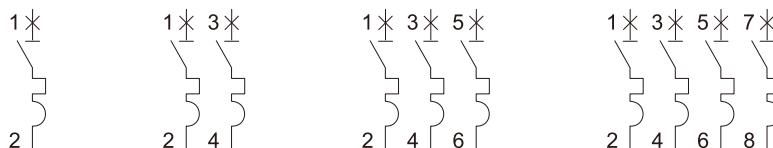
According to the tripping characteristics, MCB in B, C, D curve is suitable for different types of equipment

B, Curve for devices that do not cause surge current (lighting and distribution circuits) short-circuit trip set to (3-5)I_n

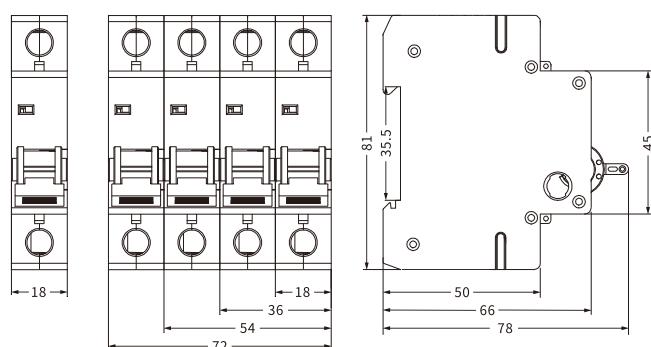
C, Curve for devices that cause surge current (industrial loads and motor circuits) short-circuit trip set to (5-10)I_n

D, The circuit protection curve that leads to high surge current, generally at a thermal rating of 12-15I_n (transformers, X-ray machines, etc.), and the short-circuit trip set to (10-20)I_n

Circuit Diagram



Outline Dimensions (mm)





Technical Data

Rated current	1,2,3,4,5,6,8,10,16,20,25,32,40,50,63
Number of poles	1P,2P,3P,4P
Rated voltage	230/400V
Insulation voltage	500V
Rated frequency	50/60Hz
Rated breaking capacity	10,000A
Energy limiting class	3
Rated impulse withstand voltage (1.5/50)	4,000V
Dielectric test voltage at Ind. Freq. for 1min	2kV
Pollution level	2
Thermal-magnetic release characteristics	B,C,D
Electrical life	8,000 Cycles
Mechanical life	20,000 Cycles
Contact position indicator	Yes
Protection level	IP20
Setting reference temperature for thermal element	30°C
Ambient temperature (daily mean≤35°C)	-5°C~+40°C
Storage temperature	-25°C~+70°C
Terminal connection type	Cable/Pin-type Busbar/U-type Busbar
Cable terminal dimensions (top to bottom)	25mm 18-3AWG
Pin-type busbar dimensions (top to bottom)	25mm 18-3AWG
Tightening torque	2.5nm 22In-lbs
Installation	On 35mm DIN Rail
Connection	Top to Bottom
Auxiliary contact	OF
Alarm contact	FB
Shunt release+Auxiliary	MX+OF
Over-voltage/Under-voltage release	MN+MV

MCB Characteristics

Test	Type	Test current	Initial state	Tripping or non-tripping time limit	Expected results	Remark
a	B,C,D	1.13 I_n	Cold state ^a	$t \leq 1 \text{ h}$ (For $I_n \leq 63\text{A}$) $t \leq 2 \text{ h}$ (For $I_n > 63\text{A}$)	Non-tripping	
b		1.45 I_n	Subsequent test ^a	$t < 1 \text{ h}$ (For $I_n \leq 63\text{A}$) $t < 2 \text{ h}$ (For $I_n > 63\text{A}$)	Tripping	The current increases steadily within 5s
c		2.55 I_n	Cold state ^a	$1\text{s} < t < 60\text{s}$ (For $I_n \leq 32\text{A}$) $1\text{s} < t < 120\text{s}$ (For $I_n > 32\text{A}$)	Tripping	
d		$3I_n$ $5I_n$ $10I_n$	Cold state ^a	$t \leq 0.1\text{s}$	Non-tripping	Make the current by closing the auxiliary switch
e		$5I_n$ $10I_n$ $20I_n$ ^b	Cold state ^a	$t < 0.1\text{s}$	Tripping	Make the current by closing the auxiliary switch

Note: Consider adding a test between c and d for type D circuit breakers.

a The term "cold" means no load before the test at the reference calibration temperature.

b The specific setting is $50I_n$.

Tripping Characteristics

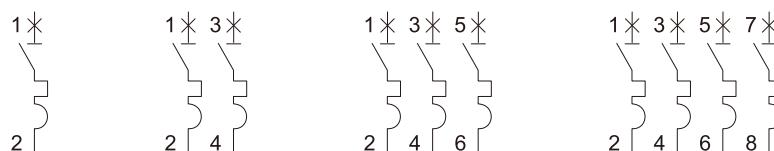
According to the tripping characteristics, MCB in B, C, D curve is suitable for different types of equipment

B, Curve for devices that do not cause surge current (lighting and distribution circuits) short-circuit trip set to $(3-5)I_n$

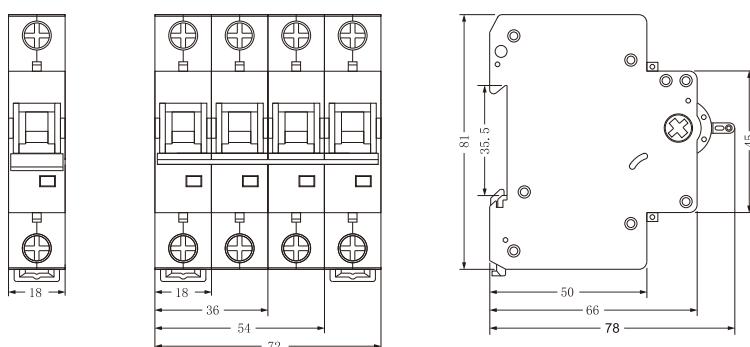
C, Curve for devices that cause surge current (industrial loads and motor circuits) short-circuit trip set to $(5-10)I_n$

D, The circuit protection curve that leads to high surge current, generally at a thermal rating of $12-15I_n$ (transformers, X-ray machines, etc.), and the short-circuit trip set to $(10-20)I_n$

Circuit Diagram



Outline Dimensions (mm)



LMB1-125P 6kA/10kA/15kA

LVMA

Miniature Circuit Breaker

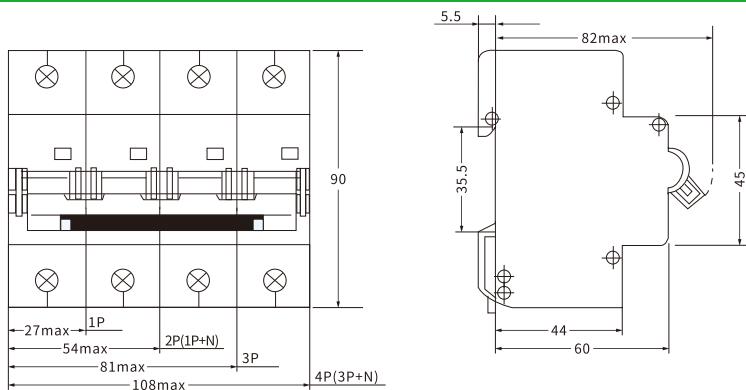
IEC60898-1/IEC60947-2



Technical Data

Protection	Overcurrent and short circuit
Type of trip	Thermo-magnetic
No.of poles	1P,2P,3P,4P
Rated voltage (Ue)	240/415V~
Rated currents (In)	63,80,100,125A
Rated frequency	50/60Hz
Rated breaking capacity	6000A/10000A/15000A
Rated impulse withstand voltage(1.2/50) (Uiimp)	4,000V
Dielectric test voltage at Ind. Freq.for 1 min	2kV
Thermal release characteristic	(1.13-1.45)×In
Thermo-magnetic release characteristic	C:(5-10)×In/D:(10-20)×In
Electrical life	4,000 Cycles
Mechanical life	10,000 Cycles
Contact position indicator	Yes
Protection degree	IP20
Ambient temperature	-5°C to +40°C, Max.95% humidity
Terminal connection type	Cable/Pin-type busbar
Max.terminal size for cable	50mm ²
Max.tightening torque	3.5N.m
Installation	Mounting on 35mm DIN rail
Connection	From top and bottom

Overall and Installation Dimension(mm)



LM47LE-63 4.5kA

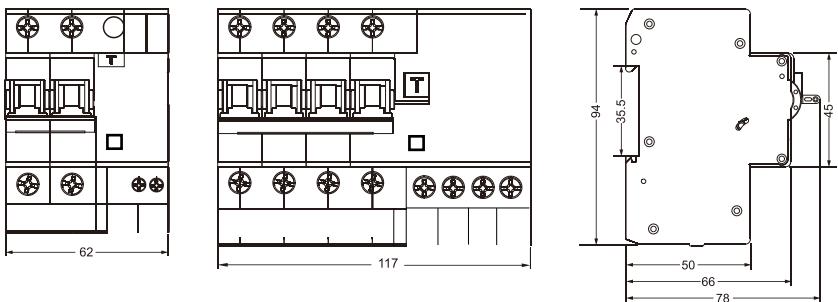
LVMA

RCCB With Overcurrent Protection

IEC61009-1



Overall and Installation Dimension(mm)



Technical Data

Protection	Ground fault, Overcurrent and short circuit, Over-voltage(selectable)
Type of trip	Overload and short circuit :Thermo-magnetic
Type of protection (electric leakage)	AC,A
No.of poles	1P+N,2P,3P,3P+N,4P
Rated voltage (Ue)	1P+N/2P: 230/240V/3P/3P+N/4P: 400/415V
Rated currents (In)	6,10,16,20,25,32,40,50,63
Rated sensitivity currents (IΔn)	30,100,300mA
Residual current off-time under (IΔn)	≤ 0.1s
Rated residual making and breaking capacity (IΔm)	500A(In≤50A)
Rated frequency	50/60Hz
Rated breaking capacity	4,500A
Rated impulse withstand voltage(1.2/50) (Uimp)	4,000V
Dielectric test voltage at Ind. Freq.for 1 min	2kV
Thermal release characteristic	(1.13-1.45) x In
Magnetic release characteristic	A: 2×In, B: (3-5)×In,C: (5-10)×In,D: (10-20)×In
Electrical life	4,000 Cycles
Mechanical life	10,000 Cycles
Contact position indicator	Yes
Protection degree	IP20
Ambient temperature	-25°C to +40°C, Max.95% humidity
Terminal connection type	Cable/Pin-type busbar
Max.terminal size for cable	25mm ²
Max.tightening torque	2.5N.m
Installation	Mounting on 35mm DIN rail
Connection	From top

LMB1LE-80/80H 6kA/10kA

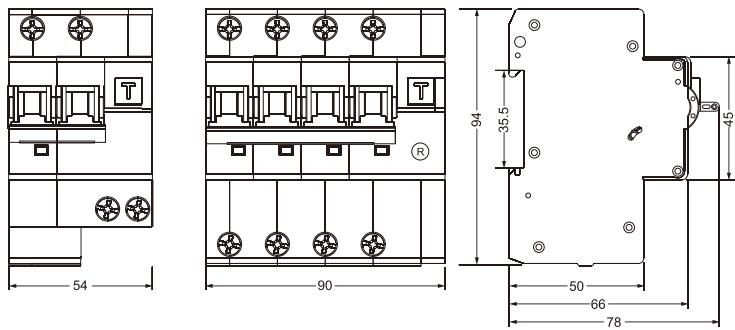
LVMA

RCCB With Overcurrent Protection

IEC61009-1



Outline Dimensions (mm)



Technical Data

Protection	Ground fault,Overcurrent and short circuit,Over-voltage(selectable)
Type of trip	Overload and short circuit Thermo-magnetic
Type of protection(electric leakage)	AC/A/S
No.of poles	1P+N,2P,3P,3P+N,4P
Rated voltage(Ue)	1P+N/2P:230/240V/3P/3P+N/4P:400/415V
Rated currents(In)	6,10,16,20,25,32,40,50,63,80A
Rated sensitivity currents($I\Delta n$)	10/30/100/300mA The factory default is 30 mA
Residual current off-time under($I\Delta n$)	$\leq 0.1s$
Rated residual making and breaking capacity ($I\Delta m$)	500A($In \leq 50A$), $10In$ ($In > 50A$)
Rated frequency	50/60Hz
Rated breaking capacity	6,000A/10,000A
Energy Limiting Class	3
Rated impulse withstand voltage(1.2/50)(Uimp)	4,000V
Dielectric test voltage at Ind.Freq.for 1 min	2kV
Thermal release characteristic	$(1.13-1.45) \times In$
Magnetic release characteristic	B:(3-5) $\times In$,C:(5-10) $\times In$,D:(10-20) $\times In$
Electrical life	4,000 Cycles
Mechanical life	10,000 Cycles
Contact position indicator	Yes
Ground fault indicator	Yes
Protection degree	IP20
Ambient temperature	-25°C to +55°C,Max.95% humidity
Terminal connection type	Cable/Pin-type busbar
Max.terminal size for cable	25mm ²
Max.tightening torque	2.5N.m
Installation	Mounting on 35mm DIN rail
Connection	From top

Tripping Current Range

Type	Tripping current $I\Delta/A$		
AC	$0.5I\Delta n < I\Delta < I\Delta n$		
A	Angle hysteresis	$I\Delta n > 0.01A$	$I\Delta n \leq 0.01A$
	0°	$0.35I\Delta n \leq I\Delta \leq 1.4I\Delta n$	$0.35I\Delta n \leq I\Delta \leq 2I\Delta n$
	90°	$0.25I\Delta n \leq I\Delta \leq 1.4I\Delta n$	$0.25I\Delta n \leq I\Delta \leq 2I\Delta n$
	135°	$0.11I\Delta n \leq I\Delta \leq 1.4I\Delta n$	$0.11I\Delta n \leq I\Delta \leq 2I\Delta n$

MCB Characteristics

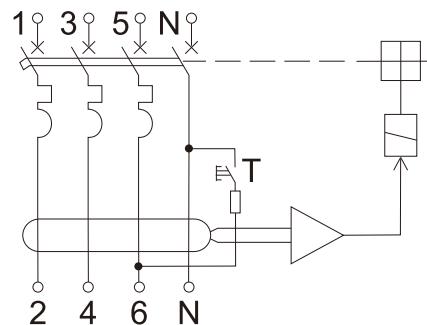
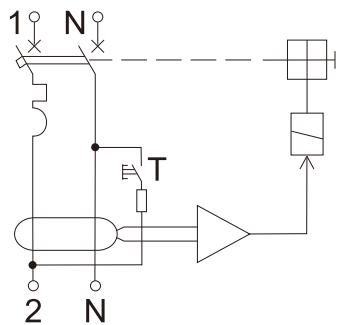
Test	Type	Test current	Initial state	Tripping or non-tripping time limit	Expected results	Remark
a	B,C,D	$1.13I_n$	Cold state ^a	$t \leq 1 h$ (For $I_n \leq 63A$) $t \leq 2 h$ (For $I_n > 63A$)	Non-tripping	
b		$1.45I_n$	Subsequent test ^a	$t < 1 h$ (For $I_n \leq 63A$) $t < 2 h$ (For $I_n > 63A$)	Tripping	The current increases steadily within 5s
c		$2.55I_n$	Cold state ^a	$1s < t < 60s$ (For $I_n \leq 32A$) $1s < t < 120s$ (For $I_n > 32A$)	Tripping	
d		$3I_n$ $5I_n$ $10I_n$	Cold state ^a	$t \leq 0.1s$	Non-tripping	Make the current by closing the auxiliary switch
e		$5I_n$ $10I_n$ $20I_n$ ^b	Cold state ^a	$t < 0.1s$	Tripping	Make the current by closing the auxiliary switch

Note: Consider adding a test between c and d for type D circuit breakers.

a The term "cold" means no load before the test at the reference calibration temperature.

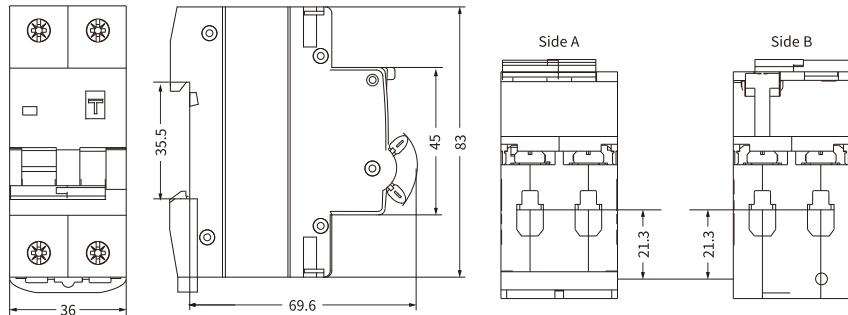
b The specific setting is $50I_n$.

Circuit Diagram





Overall and Installation Dimension(mm)

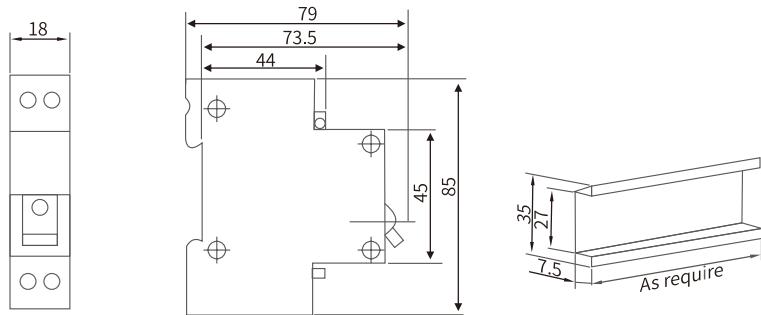


Technical Data

Protection	Ground fault, Overcurrent and short circuit
Type of trip	Ground fault : Electro-magnetic Overload and short circuit :Thermo-magnetic
Type of protection (electric leakage)	AC,A
No.of poles	1P+N 2module , N line with disconnected
Rated voltage (Ue)	230/240V~
Rated currents (In)	6,10,16,20,25,32,40,50,60A
Rated sensitivity currents (IΔn)	30,100,300mA
Residual current off-time under (IΔn)	≤ 0.1s
Rated residual making and breaking capacity(IΔm)	500A(In≤50A), 10In(In>50A)
Rated frequency	50/60Hz
Rated breaking capacity	6,000A
Energy limiting class	3
Rated impulse withstand voltage(1.2/50) (Uimp)	4,000V
Dielectric test voltage at Ind. Freq.for 1 min	2kV
Thermal release characteristic	(1.13-1.45) x In
Magnetic release characteristic	B:(3-5) x In, C:(5-10) x In
Electrical life	4,000 Cycles
Mechanical life	10,000 Cycles
Contact position indicator	Yes
Ground fault indicator	Yes
Protection degree	IP20
Ambient temperature	-25°C to +55°C, Max.95% humidity
Terminal connection type	Cable/Pin-type busbar/Fork-type busbar
Max.terminal size for cable	25mm ²
Max.tightening torque	2.5N.m
Installation	Mounting on 35mm DIN rail
Connection	From top and bottom



Overall and Installation Dimension(mm)



LMB5L-40 RCBO is suitable to the single phase residual circuit of 50/60Hz, rated voltage 230V, as the current leakage protection and protect the civil electrical circuit from over load and short circuit and it has the features of volume small, breaking capacity high. Null/live wire is cut at the same time, and even the wire is reverse connection, it still have current leakage protection. The product conforms to standards IEC1009.1, GB16917.1etc.

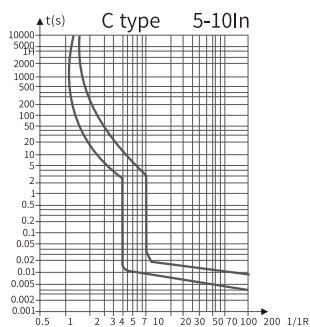
Technical Data

No.of poles	1P+N
Rated voltage(V)	230(220)
Rated current(A)	6,10,16,20,25,32,40
Shell-level rated current(A)	40A
Rated breaking residual current(mA)	10,30,100
Rated not breaking residual current(mA)	0.5I _n
Breaking time of rated residual current(s)	≤0.1
Breaking Capacity (A)	6000

Overcurrent Trip Characteristic Table

Test current	1.13I _n	1.45I _n	2.55I _n	2.55I _n	5I _n	10I _n
Rated current (A)	All		I _n ≤32A	I _n >32A	All	
Requested time	t≤1h	t>1h	I _s ≤t≤60s	I _s ≤t≤120s	t≤0.1s	t>0.1s
Result	Don't trip	Trip	Trip	Trip	Don't trip	Trip
Start station	Cool	Heat	Cool	Cool	Cool	Cool

Breaking Characteristic Curve

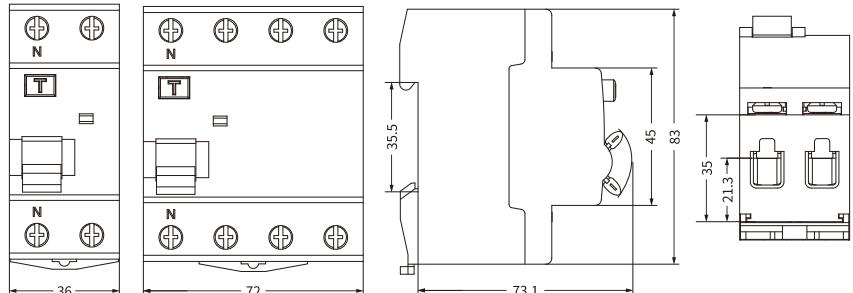


Application guidelines:

1. Press the test button once a month, check leakage protective device.
2. When the leakage protective device, the device on the obverse of the red machine instructions.
3. When reclosing circuit breaker, the protection device reset automatically.



Overall and Installation Dimension(mm)



Technical Data

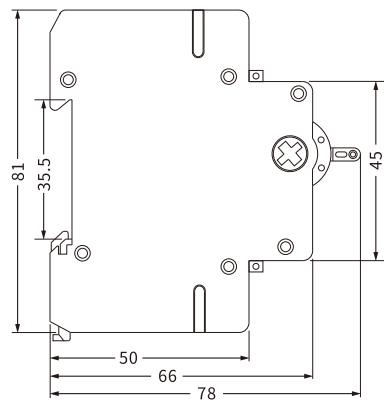
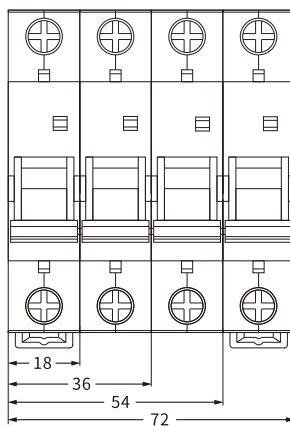
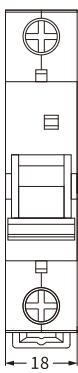
Protection	Ground fault, Overcurrent and short circuit
Type of trip	Electro-magnetic
Type of protection (electric leakage)	AC,A,G,S
No.of poles	2P(1P+N), 4P(3P+N) , N Pole on left
Rated voltage (Ue)	1P+N: 230/240V~, 3P+N: 400/415V~
Rated currents (In)	16,25,32,40,63,80,100A
Rated sensitivity currents (IΔn)	30,100,300mA (10mA only for In=16-25A)
Residual current off-time under (IΔn)	≤ 0.1s
Rated residual making and breaking capacity (IΔm)	500A(In≤50A), 10In(In>50A)
Rated frequency	50/60Hz
Rated breaking capacity	6,000A, 10,000A
Rated impulse withstand voltage(1.2/50) (Uimp)	4,000V
Dielectric test voltage at Ind. Freq.for 1 min	2kV
Electrical life	2,000 Cycles
Mechanical life	4,000 Cycles
Contact position indicator	Yes
Ground fault indicator	Yes
Protection degree	IP20
Ambient temperature	-25°C to +40°C, Max.95% humidity
Terminal connection type	Cable/Pin-type busbar/Fork-type busbar
Max.terminal size for cable	35mm ²
Max.tightening torque	2.5N.m
Installation	Mounting on 35mm DIN rail
Connection	From top and bottom



Technical Data

No.of poles	1P,2P,3P,4P
Rated voltage (Ue)	240/415V~
Rated currents (In)	25,32,40,50,63,80,100,125A
Rated frequency	50/60Hz
Utilization category	AC-22A
Rated insulation voltage (Ui)	500V
Electrical life	2,000 Cycles
Mechanical life	10,000 Cycles
Contact position indicator	Yes
Protection degree	IP20
Ambient temperature	-5°C to +40°C, Max.95% humidity
Terminal connection type	Cable/Pin-type busbar
Max.terminal size for cable	50mm ²
Max.tightening torque	3.5N.m
Installation	Mounting on 35mm DIN rail
Connection	From top and bottom

Overall and Installation Dimension(mm)

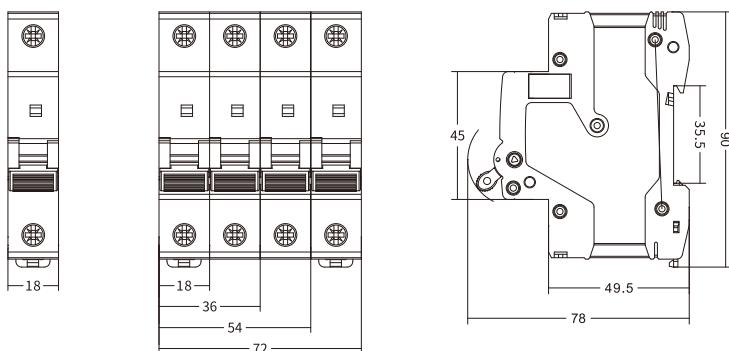




Technical Data

Protection	Overcurrent and short circuit
Type of trip	Thermo-magnetic
No.of poles	1P,2P,3P,4P
Rated voltage (Ue)	1P(250VDC)/2P(500VDC)/3P(1000VDC)/4P(1000VDC)
Rated currents (In)	1,2,3,4,6,10,16,20,25,32,40,50,63A
Rated breaking capacity	10,000A
Rated impulse withstand voltage(1.2/50) (Uimp)	4,000V
Dielectric test voltage at Ind. Freq.for 1 min	3kV
Thermal release characteristic	(1.05-1.30) x In
Magnetic release characteristic	(8-12) x In
Electrical life	4,000 Cycles
Mechanical life	10,000 Cycles
Contact position indicator	Yes
Protection degree	IP20
Ambient temperature	-5°C to +40°C, Max.95% humidity
Terminal connection type	Cable/Pin-type busbar/Fork-type busbar
Max.terminal size for cable	35mm ²
Max.tightening torque	2.5N.m
Installation	Mounting on 35mm DIN rail
Connection	According to the wiring diagram

Overall and Installation Dimension(mm)

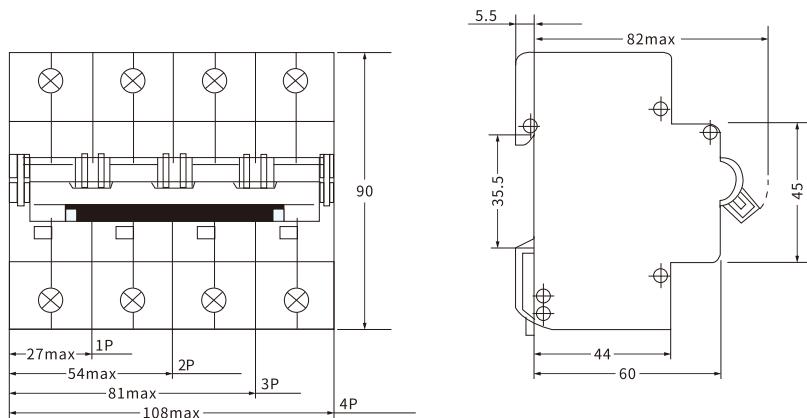




Technical Data

Protection	Over current and short circuit
Type of trip	Thermo-magnetic
No. of poles	1P, 2P, 3P, 4P
Rated currents In	40, 50, 63, 80, 100, 125A
Rated voltage Ue	1P(250VDC)/2P(500VDC)/3P (1000VDC)/4P(1000VDC)
Rated breaking capacity	10,000A
Rated impulse withstand voltage(1.5/50)Uimp	4,000V
Dielectric test voltage at Ind. Freq. for 1 min	3kV
Thermal release characteristic	(1.05-1.30)×In
Magnetic release characteristic	(8-12)×In
Electrical life	4,000 Cycles
Mechanical life	10,000 Cycles
Contact position indicator	Yes
Protection degree	IP20
Ambient temperature	-5°C to +40°C Max.95%humidity
Terminal connection type	Cable/Pin-type busbar/Fork-type busbar
Max. terminal size for cable	35mm ²
Max. tightening torque	2.5N.m
Installation	Mounting on 35 mm DIN rail
Connection	According to the wiring diagram

Overall and Installation Dimension(mm)





Technical Data

No.of poles	1P,2P,3P,4P	
Rated current In	6A,10A,16A,20A,25A,32A,40A	
Rated working voltage Ue	1P:500V DC 2P:1000V DC 3P:1500V DC 4P:1500V DC	
Rated Insulation voltage Ui	1P/2P:1000V DC 3P/4P:1500V DC	
Operational breaking capacity Ics	1.5kA(DC)	
Ultimate breaking capacity Icu	1.5kA(DC)	
Maximum frame current	40A	
Rated impulse withstand voltage Uimp	8kV	
electrical life	1000 Cycles	
mechanical life	≥15000 Cycles	
Protection level	IP40	
Wiring torque	3.0Nm	
Tripping characteristics	B/C/D	
Tripping type	Thermal-magnetic	
Operating ambient temperature	-30°C~+70°C	
Storage ambient temperature	-40°C~+85°C	
Installation method	DIN35	
Size	Length	108mm
	Width	1P:18mm 2P:36mm 3P:54mm 4P:72mm
	Height	Max78mm

Feature



Non-polar, bidirectional protection



Compact Size



Short Circuit Protection



Overload Protection



Flame Retardant Material



High Breaking Capacity



Short Arc



Multiple wiring options

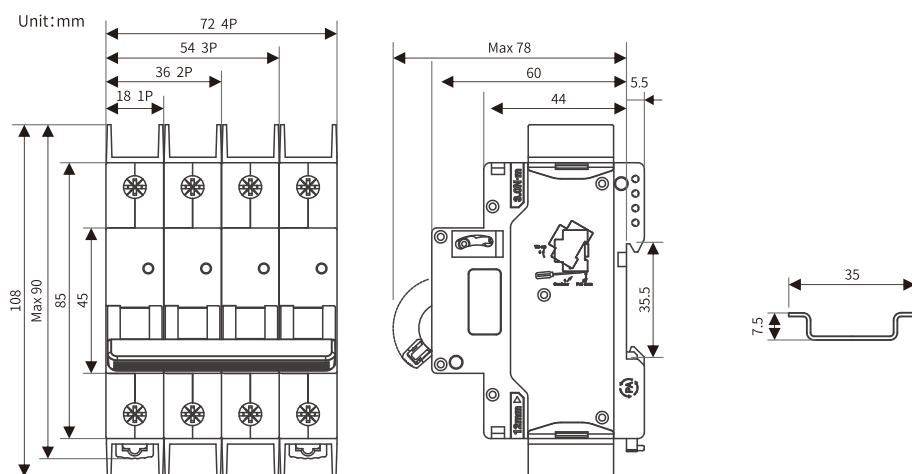


Complete accessories

MX auxiliary release device

Rated Control Voltage Us	DC:24~48V AC:110~230V
Maximum Tripping Time	<10ms
Coil Resistance	5Ω
Limit current	≥1.6A
Mechanical Life	10000 Cycles
Electrical Life	4000 Cycles
Wiring torque	0.8 N·m
Wiring capability	1.0mm ² Hard wire /1.0mm ² Soft wire with terminal lugs
Operating Temperature Range	-30°C~+70°C
Environmental conditions	There should be no explosive hazardous substances, and no harmful gases or conductive dust that can corrode or damage insulation
Assembly position	To the left side of the circuit breaker
Installation conditions	DIN 35mm standard rail mounting
Auxiliary contact OFF	
Contact breaking capacity	AC13: Ie=3A; Ue=250V/AC15: Ie=2A; Ue=250V/AC12: Ie=0.5A; Ue=110V
Minimum Operating Voltage	5V
Minimum Operating Current	10mA
Rated Insulation Voltage	500V
Rated limited short-circuit current Ik	1000A
Agreed heating current Ith	4A
Mechanical Life	10000 Cycles
Electrical Life	4000 Cycles
Wiring torque	0.8 N·m
Wiring capability	1.0mm ²
Number of contacts	1 normally open, 1 normally closed
Operating Temperature Range	-30°C~+70°C
Environmental conditions	There should be no explosive hazardous substances, and no harmful gases or conductive dust that can corrode or damage insulation
Assembly position	To the left side of the circuit breaker
Installation conditions	DIN 35mm standard rail mounting

Appearance and installation dimensions



WiFi Din Rail Switch

LVMA

WiFi Din Rail Switch



Technical Data

Poles description	1P+N (N pole Pass-through)
Rated operating voltage range	90-300V
Control type	Manual, Remote control APP
Protocol	Wifi (Default)
Customization	SigMesh/ZigBee



Remote control



Voice control



Overcurrent protection



Timing



Countdown



Undervoltage protection



Loop timing

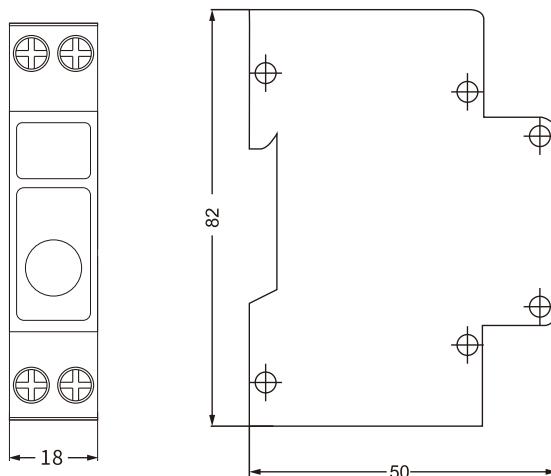


Real-time monitoring of electricity consumption



Overvoltage protection

Overall and Installation Dimension(mm)





50k+ m²
Floor Area



600+
Employees



80+
Export Countries



20+ Years
Industry Experience



≥50%
Automation Rate

ZHEJIANG LVMA ELECTRIC CO., LTD. specializes in the R&D, production, and sales of low-voltage electrical appliances.

Core Offerings

Final Distribution Application

Power Distribution Application

Industrial Control Application

Solar System Application

Quality Assurance

- IEC-compliant testing center
- Management System Certification: ISO 9001/14001/45001
- Product Conformity Certification



RoHS

Global Reach

- Exports to 80+ countries (EU, South America, MENA, ASEAN, Africa)
- Supports OEM, ODM and SKD partnerships

Corporate Culture

Smart Power, Safe Life



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