TIANJIN JMT ELECTRIC CO., LTD
www.jamitelectric.com

Lower Energy Consumption | Higher Breaking Capacity | Higher Torque | 160A Higher Rate Current

MCB | JMT ELECTRIC
Product Selection Guide

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JAMIT

TIANJIN JMT ELECTRIC CO.,LTD

JMT Electric is a technology-driven enterprise firmly rooted in the low-voltage electrical sector, serving a global clientele. Our company footprint spans China, Hungary, and India, where nearly one thousand colleagues are dedicated to our shared mission. For three decades, we have maintained a singular focus on the innovation and iterative evolution of Miniature Circuit Breakers (MCBs). This dedication has resulted in a new generation of MCBs that boast superior breaking capacity and energy efficiency compared to competing products.

We pride ourselves on possessing world-class production and management systems, enabling the wholly-owned, end-to-end manufacturing of our circuit breaker products. Our commitment to quality and safety is evidenced by our certification to ISO 9001, ISO 45001, and ISO 14001 management standards, as well as product certifications including CE, CB, UKCA, and KC.

CE CB KC UK CA



BRANDHIGHLIGHT





American Good Design





CE Certification

UKCA Certification



CB Certification



KC Certification



ISO 9001



ISO 14001



ISO 45001

TECHNICAL STRENGTH









Manufacturing Centre

JMT apply international quality management system standards, whilst using industry leading production equipment. We continuously provide staff training and development in our pursuit of excellence. All products are 100% inspected to ensure consistent product quality and adherence to quality systems. We supply domestic and international markets with the world's leading low voltage electrical products.



证书号第4545189号

发明专利证书

发明名称：一种停电自动脱扣掉闸的智能断路器

发明人：王克诚

专利号：ZL 2019 1 1250741.4

专利申请日：2019年12月09日

专利权人：天津加美特电气股份有限公司

地址：300000 天津市静海区六号路东头

授权公告日：2021年07月13日　　授权公告号：CN 110767513 B

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局长 申长雨

2021年07月13日

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其他事项参见背面

Patents

More than 100 design patents











Global Plants

1-Tianjin,China Plant; 2-Hungarian Plant; 3-India Plant;
4-Electroplating Plant[Tianjin,China]; 5-Metal anti-corrosion Plant[Cangzhou,China]

Our product advantages:

LARGER

Higher Rate Current

JMT Electric has pushed small circuit breakers to a new height of 160A
The M160 series MCB has passed international authoritative certification

HIGHER

Higher Breaking Capacity

The breaking capacity of JMT MCB reaches 15000A
The M125M and M63H series MCB are high breaking circuit breakers

LOWER

Lower Energy Consumption

JMT MCB is equipped with an integrated solderless coil as standard, reducing 3-5 welding points. The energy consumption level of JMT MCB is 1/2 to 1/3 of the international standard

PRECISE

More Precise Tripping

JMT MCB is equipped with bidirectional setting technology as standard, ensuring that the circuit breaker will break when it breaks
Bidirectional setting technology is a patented technology of JMT

FASTER

Faster closure

JMT MCB is equipped with energy storage quick closing function as standard, ensuring safer operation
Energy storage closure function is a patented technology of JMT

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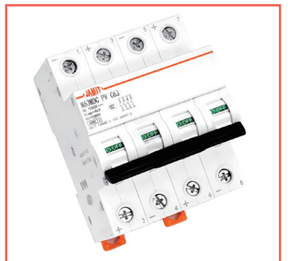

M63M | P07~08

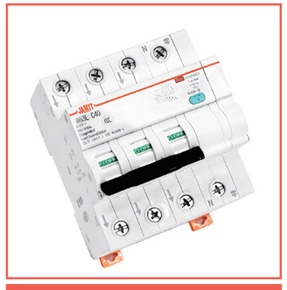

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M63M Miniature Circuit Breaker

Product Overview

M63M miniature circuit breaker is mainly applicable to terminal distribution lines in commercial office buildings, residential buildings, and general industrial applications with AC 50/60Hz, rated voltage up to AC 240V, 415V, and rated current up to 63A. It provides overload and short circuit protection for the lines and can also perform infrequent switching operations on the lines under normal conditions.

Featured features

1. Quick closing mechanism: instantaneous closing, efficient switching, reducing the risk of arcing and welding.
2. Bimetal bidirectional adjustment: bi-directional precise setting, suitable for multiple working conditions.
3. Super seismic optimization: stable seismic resistance, worry free in complex scenarios.

Standard

GB/T 10963.1　IEC 60898-1

Certifications

CCC、CE、CB、UKCA

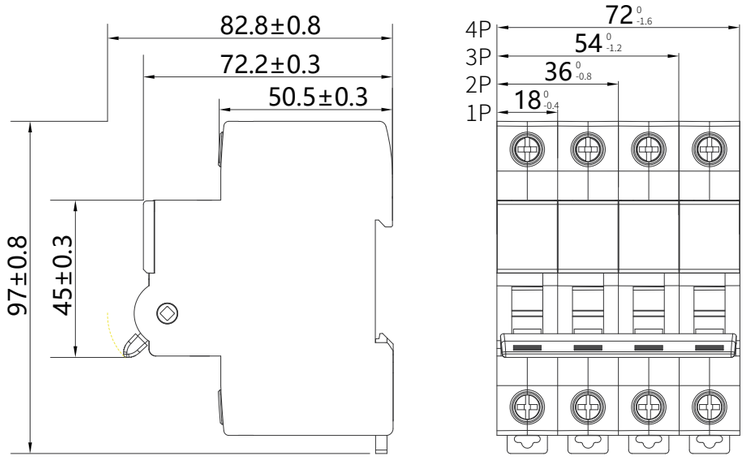
Functions

Overload protection
Short circuit protection
Isolation function

Model and meaning

M63	M	-	C	63	3P
Enterprise characteristic code	Auxiliary code M: 6KA Breaking		Trip type	Rated current (A)	Pole N0.

Dimensions



Technical Parameters

Product Model		M63M
Rated current (A)		1、2、4、6、10、16、20、25、32、40、50、63
Rated voltage Ue (V)		AC240/415V(1P) AC415V(2P、3P、3P+N、4P) AC240V(1P+N)
Rated operating frequency (Hz)		50/60
Pole No.		1P、2P、3P、4P、1P+N、3P+N
Mechanical life (times)		30000 (Enterprise standard)
Electrical life (times)		15000 (Enterprise standard)
Rated short-circuit capacity Icn(A)		6000
Rated operation short-circuit breaking capacity Ics(A)		6000
Rated insulation voltage Ui(V)		440
Rated impulse withstand voltage Uimp (kV)		4
Dielectric test voltage (V)		2000(50Hz、1min)
Anti-vibration (IEC/EN60068-2-6)		No obvious vibration and impact
Wire terminal	Minimum sectional area of connectable conductor (mm^2)	1
	Maximum sectional area of connectable conductor (mm^2)	35
	Standard connection torque (N·m)	3.5
	Maximum allowable torque (N·m)	5
	Lead insertion depth (mm)	10
Reference temperature (℃)		30
Operating temperature (℃)		-35~+70
Storage temperature (℃)		-35~+85
Applicable altitude (m)		⩽ 2000
Form of tripping		Thermal magnetic trip
Instantaneous tripping characteristics	B type	3In~5In
	C type	5In~10In
	D type	10In~20In
Wiring method		Without limitation
Installation method		TH35-7.5 Standard guide rail
Pollution capacity		2
Protection level	Circuit breaker	IP20
	Installed in distribution box	IP40



M63H Miniature Circuit Breaker

Product Overview

M63H miniature circuit breaker is mainly applicable to terminal distribution lines in commercial office buildings, residential buildings, and general industrial applications with AC 50/60Hz, rated voltage up to AC 230V, 400V, and rated current up to 63A. It provides overload and short circuit protection for the lines and can also perform infrequent switching operations on the lines under normal conditions.

Featured features

1.Quick closing mechanism: instantaneous closing, efficient switching, reducing the risk of arcing and welding.
2.Integrated inlet and outlet structure: lower internal resistance, lower energy consumption and more energy conservation.
3.Bimetal bidirectional adjustment: bi-directional precise setting, suitable for multiple working conditions.
4.Super seismic optimization: stable seismic resistance, worry free in complex scenarios.

Standard

GB/T 10963.1　IEC 60898-1

Certifications

CCC、CE、CB、UKCA

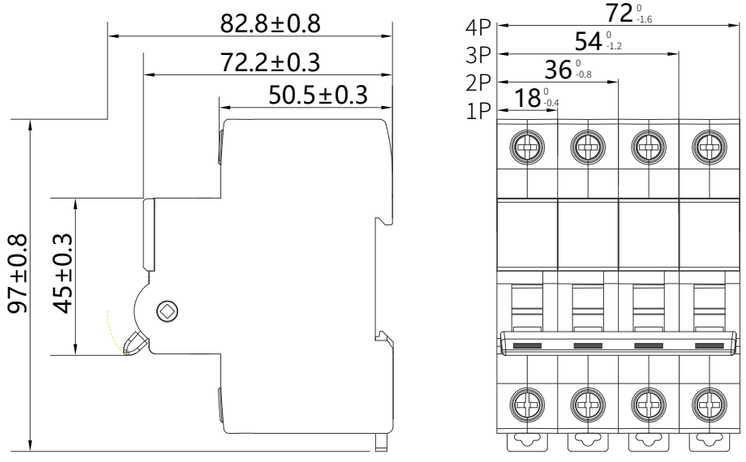
Functions

Overload protection
Short circuit protection
Isolation function

Model and meaning

M63	H	-	C	63	3P
Enterprise characteristic code	Auxiliary code H: 10KA Breaking		Trip type	Rated current (A)	Pole N0.

Dimensions



Technical Parameters

Product Model		M63H
Rated current (A)		1、2、4、6、10、16、20、25、32、40、50、63
Rated voltage Ue (V)		AC230/400V(1P) AC400V(2P、3P、3P+N、4P) AC230V(1P+N)
Rated operating frequency (Hz)		50/60
Pole No.		1P、2P、3P、4P、1P+N、3P+N
Mechanical life (times)		30000 (Enterprise standard)
Electrical life (times)		15000 (Enterprise standard)
Rated short-circuit capacity Icn(A)		10000
Rated operation short-circuit breaking capacity Ics(A)		7500
Rated insulation voltage Ui(V)		440
Rated impulse withstand voltage Uimp (kV)		6
Dielectric test voltage (V)		2000(50Hz、1min)
Anti-vibration (IEC/EN60068-2-6)		No obvious vibration and impact
Wire terminal	Minimum sectional area of connectable conductor (mm^2)	1
	Maximum sectional area of connectable conductor (mm^2)	35
	Standard connection torque (N·m)	3.5
	Maximum allowable torque (N·m)	5
	Lead insertion depth (mm)	10
Reference temperature (°C)		30
Operating temperature (°C)		-35~+70
Storage temperature (°C)		-35~+85
Applicable altitude (m)		⩽ 2000
Form of tripping		Thermal magnetic trip
Instantaneous tripping characteristics	B type	3In~5In
	C type	5In~10In
	D type	10In~20In
Wiring method		Without limitation
Installation method		TH35-7.5 Standard guide rail
Pollution capacity		2
Protection level	Circuit breaker	IP20
	Installed in distribution box	IP40



M63SD Miniature Circuit Breaker

Product Overview

M63SD miniature circuit breaker is mainly applicable to terminal distribution lines in commercial office buildings, residential buildings, and general industrial applications with AC 50/60Hz, rated voltage up to AC 230V, 415V, and rated current up to 63A. It provides overload and short circuit protection for the lines and can also perform infrequent switching operations on the lines under normal conditions.

Featured features

1.Quick closing mechanism: instantaneous closing, efficient switching, reducing the risk of arcing and welding.
2.Integrated inlet and outlet structure: lower internal resistance, lower energy consumption and more energy conservation.
3.Bimetal bidirectional adjustment: bi-directional precise setting, suitable for multiple working conditions.
4.Super seismic optimization: stable seismic resistance, worry free in complex scenarios.

Standard

GB/T 10963.1　IEC 60898-1

Certifications

CCC、CE、CB、UKCA

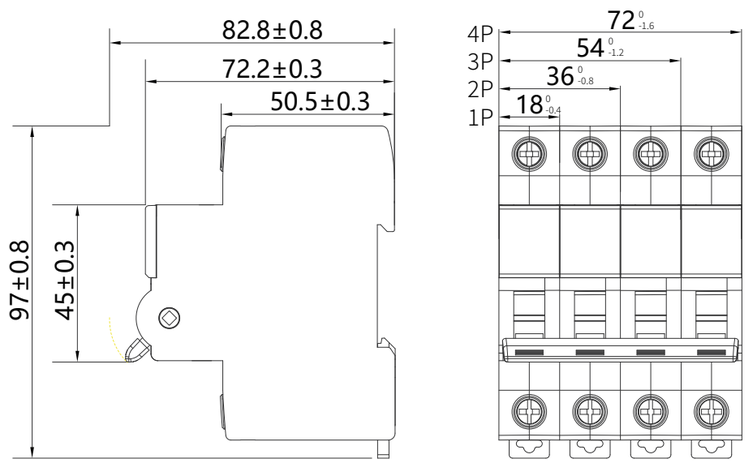
Functions

Overload protection
Short circuit protection
Isolation function

Model and meaning

M63SD		-	C	63	3P
Enterprise feature code SD is an economical product	6KA Breaking		Trip type	Rated current (A)	Pole N0.

Dimensions



Technical Parameters

Product Model		M63SD
Rated current (A)		1、2、4、6、10、16、20、25、32、40、50、63
Rated voltage Ue (V)		AC230/240V(1P、1P+N、2P) AC415/440V(3P、3P+N、4P)
Rated operating frequency (Hz)		50/60
Pole No.		1P、2P、3P、4P、1P+N、3P+N
Mechanical life (times)		30000 (Enterprise standard)
Electrical life (times)		15000 (Enterprise standard)
Rated short-circuit capacity Icn(A)		6000
Rated operation short-circuit breaking capacity Ics(A)		6000
Rated insulation voltage Ui(V)		500
Rated impulse withstand voltage Uimp (kV)		4
Dielectric test voltage (V)		2000(50Hz、1min)
Anti-vibration (IEC/EN60068-2-6)		No obvious vibration and impact
Wire terminal	Minimum sectional area of connectable conductor (mm^2)	1
	Maximum sectional area of connectable conductor (mm^2)	35
	Standard connection torque (N·m)	3.5
	Maximum allowable torque (N·m)	5
	Lead insertion depth (mm)	10
Reference temperature (℃)		30
Operating temperature (℃)		-35~+70
Storage temperature (℃)		-35~+85
Applicable altitude (m)		⩽ 2000
Form of tripping		Thermal magnetic trip
Instantaneous tripping characteristics	B type	3In~5In
	C type	5In~10In
	D type	10In~20In
Wiring method		Without limitation
Installation method		TH35-7.5 Standard guide rail
Pollution capacity		2
Protection level	Circuit breaker	IP20
	Installed in distribution box	IP40



M125M Miniature Circuit Breaker

Product Overview

M125M miniature circuit breaker is mainly applicable to terminal distribution lines in commercial office buildings, residential buildings, and general industrial applications with AC 50/60Hz, rated voltage up to AC 240V, 415V, and rated current up to 125A. It provides overload and short circuit protection for the lines and can also perform infrequent switching operations on the lines under normal conditions.

Featured features

1.Quick closing mechanism: instantaneous closing, efficient switching, reducing the risk of arcing and welding.
2.Integrated inlet and outlet structure: lower internal resistance, lower energy consumption and more energy conservation.
3.Bimetal bidirectional adjustment: bi-directional precise setting, suitable for multiple working conditions.
4.Super seismic optimization: stable seismic resistance, worry free in complex scenarios.

Standard

GB/T 10963.1　IEC 60898-1

Certifications

CCC、CE、CB、UKCA

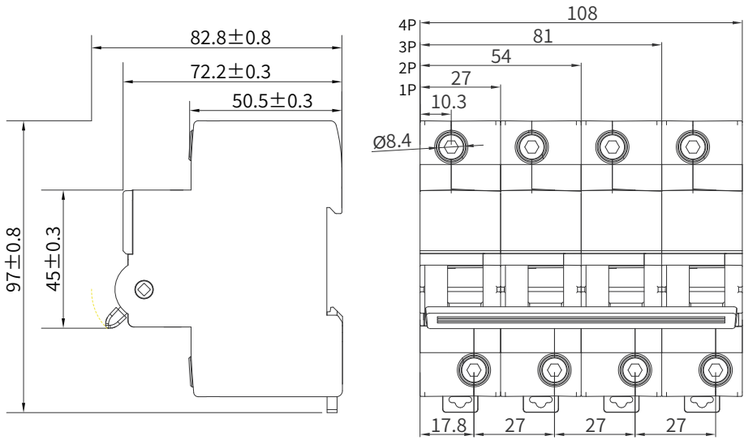
Functions

Overload protection
Short circuit protection
Isolation function

Model and meaning

M125	M	-	C	125	3P
Enterprise characteristic code	Auxiliary code M: 15KA Breaking		Trip type	Rated current (A)	Pole N0.

Dimensions



Technical Parameters

Product Model		M125M
Rated current (A)		60、80、100、125
Rated voltage Ue (V)		AC240/415V(1P、2P) AC415V(3P、4P)
Rated operating frequency (Hz)		50/60
Pole No.		1P、2P、3P、4P
Mechanical life (times)		30000 (Enterprise standard)
Electrical life (times)		15000 (Enterprise standard)
Rated short-circuit capacity Icn(A)		15000
Rated operation short-circuit breaking capacity Ics(A)		15000
Rated insulation voltage Ui(V)		440
Rated impulse withstand voltage Uimp (kV)		4
Dielectric test voltage (V)		2000(50Hz、1min)
Anti-vibration (IEC/EN60068-2-6)		No obvious vibration and impact
Wire terminal	Minimum sectional area of connectable conductor (mm^2)	10
	Maximum sectional area of connectable conductor (mm^2)	50
	Standard connection torque (N·m)	6
	Maximum allowable torque (N·m)	15
	Lead insertion depth (mm)	10
Reference temperature (℃)		30
Operating temperature (℃)		-35~+70
Storage temperature (℃)		-35~+85
Applicable altitude (m)		⩽ 2000
Form of tripping		Thermal magnetic trip
Instantaneous tripping characteristics	C type	5In~10In
	D type	10In~20In
Wiring method		Without limitation
Installation method		TH35-7.5 Standard guide rail
Pollution capacity		2
Protection level	Circuit breaker	IP20
	Installed in distribution box	IP40



M160 Miniature Circuit Breaker

Product Overview

M160 miniature circuit breaker is mainly applicable to terminal distribution lines in commercial office buildings, residential buildings, and general industrial applications with AC 50/60Hz, rated voltage up to AC 230V, 415V, and rated current up to 160A. It provides overload and short circuit protection for the lines and can also perform infrequent switching operations on the lines under normal conditions.

Featured features

1.Quick closing mechanism: instantaneous closing, efficient switching, reducing the risk of arcing and welding.
2.Integrated inlet and outlet structure: lower internal resistance, lower energy consumption and more energy conservation.
3.Bimetal bidirectional adjustment: bi-directional precise setting, suitable for multiple working conditions.
4.Super seismic optimization: stable seismic resistance, worry free in complex scenarios.

Standard

GB/T14048.2 IEC 60947-2

Certifications

CCC、CE、CB、UKCA

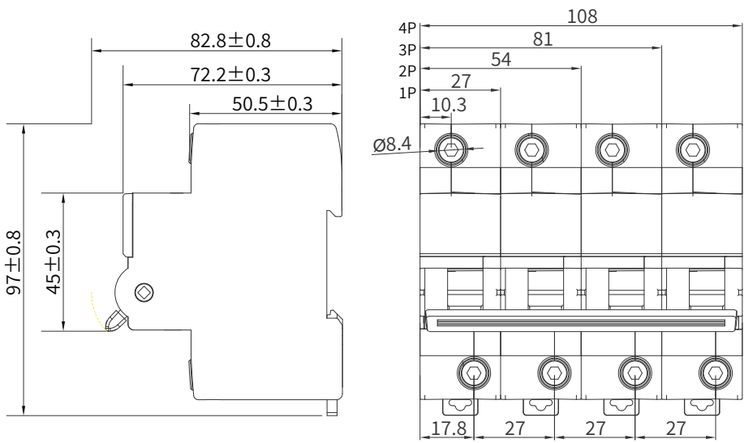
Functions

Overload protection
Short circuit protection
Isolation function

Model and meaning

M160		-	C	160	4P
Enterprise characteristic code	10KA Breaking		Trip type	Rated current (A)	Pole N0.

Dimensions



Technical Parameters

Product Model		M160
Rated current (A)		60、80、100、125、160
Rated voltage Ue (V)		AC230/240V(1P、2P) AC415/440V(3P、4P)
Rated operating frequency (Hz)		50/60
Pole No.		1P、2P、3P、4P
Mechanical life (times)		30000 (Enterprise standard)
Electrical life (times)		15000 (Enterprise standard)
Rated short-circuit capacity Icu(A)		10000
Rated operation short-circuit breaking capacity Ics(A)		10000
Rated insulation voltage Ui(V)		1000
Rated impulse withstand voltage Uimp (kV)		6
Dielectric test voltage (V)		2000(50Hz、1min)
Anti-vibration (IEC/EN60068-2-6)		No obvious vibration and impact
Wire terminal	Minimum sectional area of connectable conductor (mm^2)	16
	Maximum sectional area of connectable conductor (mm^2)	70
	Standard connection torque (N·m)	10
	Maximum allowable torque (N·m)	15
	Lead insertion depth (mm)	10
Reference temperature (°C)		30
Operating temperature (°C)		-35~+70
Storage temperature (°C)		-35~+85
Applicable altitude (m)		⩽ 2000
Form of tripping		Thermal magnetic trip
Instantaneous tripping characteristics	C type	7In±20%
	D type	13In±20%
Wiring method		Without limitation
Installation method		TH35-7.5 Standard guide rail
Pollution capacity		2
Protection level	Circuit breaker	IP20
	Installed in distribution box	IP40



M63M DC PV Miniature Circuit Breaker

Product Overview

M63MDC PV Miniature Circuit Breaker is primarily designed for use in DC circuits, specifically intended for final distribution circuits in industrial equipment with a rated voltage up to DC 1000V and a rated current up to 63A. It provides overload and short circuit protection for the Lines and can also perform infrequent switching operations on the lines under normal conditions.

Featured features

1. Quick closing mechanism: instantaneous closing, efficient switching, reducing the risk of arcing and welding.
2. Bimetal bidirectional adjustment: bi-directional precise setting, suitable for multiple working conditions.
3. Super seismic optimization: stable seismic resistance, worry free in complex scenarios.

Standard

GB/T14048.2 IEC 60947-2

Certifications

CCC

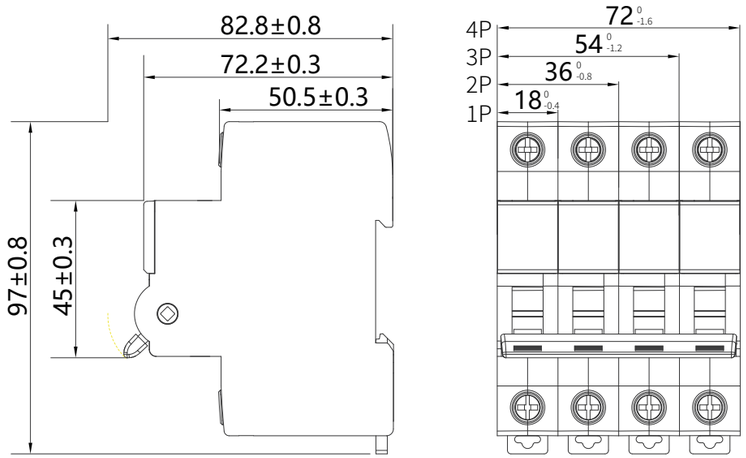
Functions

Overload protection
Short circuit protection
Isolation function

Model and meaning

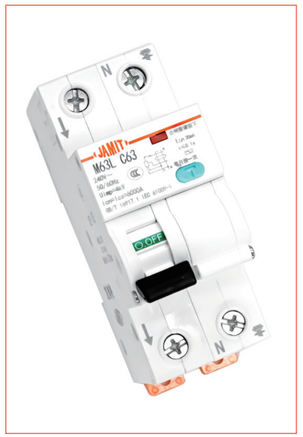
M63M	DC PV	-	C	63	4P
Enterprise characteristic code	DC auxiliary code M: 6KA breaking		Trip type	Rated current (A)	Pole N0.

Dimensions



Technical Parameters

Product Model		M63M DC PV
Rated current (A)		1、2、4、6、10、16、20、25、32、40、50、63
Rated voltage Ue (V)		DC250V(1P) DC500V(2P) DC1000V(4P)
Pole No.		1P、2P、4P
Mechanical life (times)		30000 (Enterprise standard)
Electrical life (times)		15000 (Enterprise standard)
Rated short-circuit capacity Icu(A)		6000
Rated operation short-circuit breaking capacity Ics(A)		6000
Rated insulation voltage DC Ui(V)		1000
Rated impulse withstand voltage Uimp (kV)		4
Dielectric test voltage (V)		2000(50Hz、1min)
Anti-vibration (IEC/EN60068-2-6)		No obvious vibration and impact
Wire terminal	Minimum sectional area of connectable conductor (mm^2)	1
	Maximum sectional area of connectable conductor (mm^2)	35
	Standard connection torque (N•m)	3.5
	Maximum allowable torque (N•m)	5
	Lead insertion depth (mm)	10
Reference temperature (°C)		30
Operating temperature (°C)		-35~+70
Storage temperature (°C)		-35~+85
Applicable altitude (m)		⩽ 2000
Form of tripping		Thermal magnetic trip
Instantaneous tripping characteristic	B type	5.5In±20%
	C type	8.5In±20%
Wiring method		Without limitation
Installation method		TH35-7.5 Standard guide rail
Pollution capacity		2
Protection level	Circuit breaker	IP20
	Installed in distribution box	IP40



M63L Residual Current Breaker with Overcurrent Protection

Product Overview

M63L residual current operated circuit breaker is mainly applicable to terminal distribution lines in commercial office buildings, residential buildings, and general industrial applications with AC 50/60Hz, rated voltage up to AC 240V, 415V, and rated current up to 63A. It provides overload and short circuit protection for the lines and can also perform infrequent switching operations on the lines under normal conditions.

Featured features

1. Quick closing mechanism: instantaneous closing, efficient switching, reducing the risk of arcing and welding.
2. Bimetal bidirectional adjustment: bi-directional precise setting, suitable for multiple working conditions.
3. Super seismic optimization: stable seismic resistance, worry free in complex scenarios.

Standard

GB/T 16917.1　IEC 61009-1

Certifications

CCC、CE、CB、KC

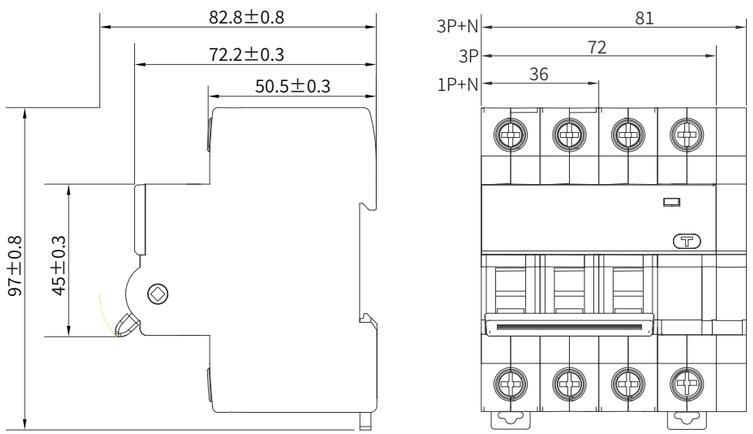
Functions

Overload protection
Short circuit protection
Residual current protection
Isolation function

Model and meaning

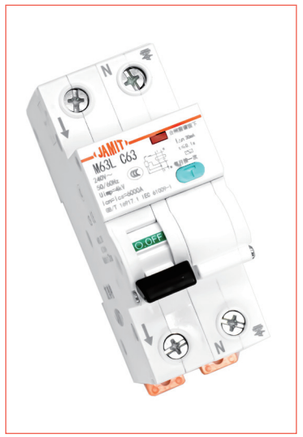
M63	L	-	C	63	3P	A type、AC type
Enterprise characteristic code	Electronic residual current protection		Trip type	Rated current (A)	Pole N0.	Residual current protection type

Dimensions



Technical Parameters

Product Model		M63L
Rated current (A)		1、2、4、6、10、16、20、25、32、40、50、63
Rated voltage Ue (V)		AC240V(1P+N) AC415V(3P、3P+N)
Rated operating frequency (Hz)		50/60
Pole No.		1P+N、3P、3P+N
Mechanical life (times)		30000 (Enterprise standard)
Electrical life (times)		15000 (Enterprise standard)
Rated short-circuit capacity Icn(A)		6000
Rated operation short-circuit breaking capacity Ics(A)		6000
Rated insulation voltage Ui(V)		500
Rated impulse withstand voltage Uimp (kV)		4
Rated residual operating current I Δ n (mA)		A、AC type:10、30、100、300、500
Residual current protection type		A type、AC type
Trip Action Type		Electronic type
Dielectric test voltage (V)		2000(50Hz、1min)
Anti-vibration (IEC/EN60068-2-6)		No obvious vibration and impact
Wire terminal	Minimum sectional area of connectable conductor (mm^2)	1
	Maximum sectional area of connectable conductor (mm^2)	25
	Standard connection torque (N·m)	3.5
	Maximum allowable torque (N·m)	5
	Lead insertion depth (mm)	10
Reference temperature (°C)		30
Operating temperature (°C)		-35~+70
Storage temperature (°C)		-35~+85
Applicable altitude (m)		⩽ 2000
Form of tripping		Thermal magnetic trip
Instantaneous tripping characteristics	B type	3In-5In
	C type	5In-10In
	D type	10In-20In
Wiring method		Without limitation
Installation method		TH35-7.5 Standard guide rail
Pollution capacity		2
Protection level	Circuit breaker	IP20
	Installed in distribution box	IP40



Standard

GB/T 16917.1　IEC 61009-1

Certifications

CCC、CE、CB、KC

Functions

Overload protection
Short circuit protection
Residual current protection
Isolation function

M63L Residual Current Breaker with Overcurrent Protection

Product Overview

M63L residual current operated circuit breaker is mainly applicable to terminal distribution lines in commercial office buildings, residential buildings, and general industrial applications with AC 50/60Hz, rated voltage up to AC 240V, 415V, and rated current up to 63A. It provides overload and short circuit protection for the lines and can also perform infrequent switching operations on the lines under normal conditions.

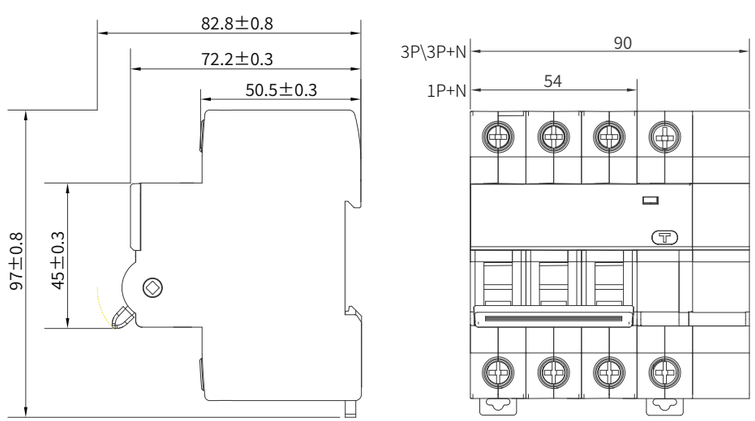
Featured features

1. Quick closing mechanism: instantaneous closing, efficient switching, reducing the risk of arcing and welding.
2. Bimetal bidirectional adjustment: bi-directional precise setting, suitable for multiple working conditions.
3. Super seismic optimization: stable seismic resistance, worry free in complex scenarios.

Model and meaning

M63	L	-	C	63	3P	B type
Enterprise characteristic code	Electronic residual current protection		Trip type	Rated current (A)	Pole N0.	Residual current protection type

Dimensions



Technical Parameters

Product Model		M63L
Rated current (A)		1、2、4、6、10、16、20、25、32、40、50、63
Rated voltage Ue (V)		AC240V(1P+N) AC415V(3P、3P+N)
Rated operating frequency (Hz)		50/60
Pole No.		1P+N、3P、3P+N
Mechanical life (times)		30000 (Enterprise standard)
Electrical life (times)		15000 (Enterprise standard)
Rated short-circuit capacity Icn(A)		6000
Rated operation short-circuit breaking capacity Ics(A)		6000
Rated insulation voltage Ui(V)		500
Rated impulse withstand voltage Uimp (kV)		4
Rated residual operating current I Δ n (mA)		B type:10、30、100、300、500
Residual current protection type		B type
Trip Action Type		Electronic type
Dielectric test voltage (V)		2000(50Hz、1min)
Anti-vibration (IEC/EN60068-2-6)		No obvious vibration and impact
Wire terminal	Minimum sectional area of connectable conductor (mm^2)	1
	Maximum sectional area of connectable conductor (mm^2)	25
	Standard connection torque (N·m)	3.5
	Maximum allowable torque (N·m)	5
	Lead insertion depth (mm)	10
Reference temperature (°C)		30
Operating temperature (°C)		-35~+70
Storage temperature (°C)		-35~+85
Applicable altitude (m)		⩽ 2000
Form of tripping		Thermal magnetic trip
Instantaneous tripping characteristics	B type	3In-5In
	C type	5In-10In
	D type	10In-20In
Wiring method		Without limitation
Installation method		TH35-7.5 Standard guide rail
Pollution capacity		2
Protection level	Circuit breaker	IP20
	Installed in distribution box	IP40



M40L Residual Current Breaker with Overcurrent Protection

Product Overview

M40L residual current operated circuit breaker is mainly applicable to AC 50/60Hz, rated voltage to AC240V, rated current to 40A terminal distribution line, providing overload, short circuit protection and residual current operated protection for the line, and also can perform infrequent switching operation for the line under normal conditions

Featured features

1.Quick closing mechanism: instantaneous closing, efficient switching, reducing the risk of arcing and welding.
2.Integrated inlet and outlet structure: lower internal resistance, lower energy consumption and more energy conservation.
3.Bimetal bidirectional adjustment: bi-directional precise setting, suitable for multiple working conditions.
4.Super seismic optimization: stable seismic resistance, worry free in complex scenarios.

Standard

IEC 61009-1

Certifications

CCC、CE、CB、UKCA

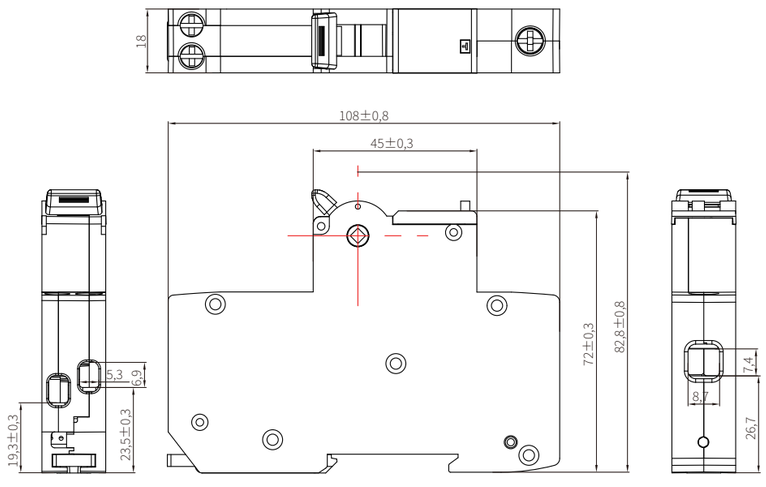
Functions

Overload protection
Short circuit protection
Residual current protection
Isolation function

Model and meaning

M40	L	-	C	40	1P	A type、AC type
Enterprise characteristic code	Electronic residual current protection		Trip type	Rated current (A)	Pole N0.	Residual current protection type

Dimensions



Technical Parameters

Product Model		M40L
Rated current (A)		6、10、16、20、25、32、40
Rated voltage Ue (V)		AC240V(1P)
Rated operating frequency (Hz)		50/60
Pole No.		1P
Mechanical life (times)		30000 (Enterprise standard)
Electrical life (times)		15000 (Enterprise standard)
Rated short-circuit capacity Icn(A)		10000
Rated operation short-circuit breaking capacity Ics(A)		10000
Rated insulation voltage Ui(V)		400
Rated impulse withstand voltage Uimp (kV)		4
Rated residual operating current I Δ n (mA)		10、30、100
Residual current protection type		A type、AC type
Trip Action Type		Electronic type
Dielectric test voltage (V)		2000(50Hz、1min)
Anti-vibration (IEC/EN60068-2-6)		No obvious vibration and impact
Wire terminal	Minimum sectional area of connectable conductor (mm^2)	1
	Maximum sectional area of connectable conductor (mm^2)	25
	Standard connection torque (N·m)	3.5
	Maximum allowable torque (N·m)	5
	Lead insertion depth (mm)	10
Reference temperature (°C)		30
Operating temperature (°C)		-35~+70
Storage temperature (°C)		-35~+85
Applicable altitude (m)		⩽ 2000
Form of tripping		Thermal magnetic trip
Instantaneous tripping characteristics	B type	3In-5In
	C type	5In-10In
Wiring method		Without limitation
Installation method		TH35-7.5 Standard guide rail
Pollution capacity		2
Protection level	Circuit breaker	IP20
	Installed in distribution box	IP40



JTDB Distribution Box

Product Overview

The JTDB series open-type distribution box (hereinafter referred to as "box") is designed for AC 50/60Hz circuits with rated voltages of 230V/400V and load currents not exceeding 160A. Functioning as a low-voltage electrical protection device, it distributes and controls power to electrical equipment while providing protection against overloads, short circuits, and leakage currents. Widely applicable in modern facilities including hotels, residential buildings, industrial plants, high-rises, stations, hospitals, schools, and government housing complexes, this product is suitable for indoor installation with an open-type mounting configuration.

Standard

GB/T 17466.24, EN 60670-24

Certifications

CE、CB

Model and meaning

JT	DB	-	S	XX
Enterprise characteristic code	Design Code of Distribution Box		S:S denotes Single-phase household distribution box	Total Number of Circuits:The number of circuits is expressed as a technical integral multiple of twice the module

Key Parameters

The box is divided according to the number of circuit units			
Single row			Double queue
Unit 6	Unit 14	Unit 18	Unit 36
260*164*87.2 (mm)	260*310*87.2 (mm)	265*380*87.2 (mm)	440*380*87.2 (mm)
The main technical parameters			
Rated voltage（V）	Total current (A) Single-phase	Levels of protection	Maximum allowable temperature rise of the housing (k)
230V±10%（50Hz）	160A	Protective rating of the outer shell: IP40	40

JAMIT

JTDB Distribution Box

Product Overview

The JTDB series open-type distribution box (hereinafter referred to as "box") is designed for AC 50/60Hz circuits with rated voltages of 230V/400V and load currents not exceeding 160A. Functioning as a low-voltage electrical protection device, it distributes and controls power to electrical equipment while providing protection against overloads, short circuits, and leakage currents. Widely applicable in modern facilities including hotels, residential buildings, industrial plants, high-rises, stations, hospitals, schools, and government housing complexes, this product is suitable for indoor installation with an open-type mounting configuration.



Model and meaning

JT	DB	-	T	XX
Enterprise characteristic code	Design Code of Distribution Box		T:T denotes Three-phase household distribution box	Total Number of Circuits:The number of circuits is expressed as a technical integral multiple of twice the module

Standard

GB/T 17466.24, EN 60670-24

Certifications

CE、CB

Key Parameters

The box is divided according to the number of circuit units			
Unit 12	Unit 24	Unit 36	Unit 48
552*470*135 (mm)	650*470*135 (mm)	750*470*135 (mm)	850*470*135 (mm)
The main technical parameters			
Rated voltage（V）	Total current (A) Three-phase	Levels of protection	Maximum allowable temperature rise of the housing (k)
400V±10%（50Hz）	160A	Protective rating of the outer shell: IP40	40