

产品样本



RMC3系列小型断路器

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上海人民电器厂
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概述 *OUTLINE*

产品概述 Product Overview

上联牌RMC3系列小型断路器，它符合IEC 60898-1、GB/T 10963.1 《家用及类似场所用过电流保护断路器 第1部分：用于交流的断路器》、IEC 60947-2、GB/T 14048.2 《低压开关设备和控制设备 第2部分：断路器》、IEC 60947-3、GB/T 14048.3 《低压开关设备和控制设备 第3部分：开关、隔离器、隔离开关以及熔断器组合电器》、IEC 61009-1、GB/T 16917.1 《家用和类似用途的带过电流保护的剩余电流动作断路器》等标准的规定。

• 其有如下特点：

- > 具有短路限流结构——额定短路分断能力高。
- > 具有过载及短路保护装置——保护功能齐全。
- > 采用“框式”接线结构——接线安全可靠。
- > 可配多种附件：剩余电流动作断路器、辅助触头、报警触头、分励脱扣器、欠压脱扣器、过欠压脱扣器。
- > 模块化、模数化——任意组合，系列配套。
- > TH35mm标准安装轨安装——安装简便方便。
- > 辅助触头、报警触头、分励脱扣器、欠压脱扣器、过欠压脱扣器——功能扩展简便。

RMC3 series miniature circuit breaker which brand is "SREAW" is in line with the standards of IEC 60898-1, GB/T 10963.1 "circuit breakers for overcurrent protection for household and similar installation, part 1: the breaker for A.C.", IEC 60947-2, GB/T 14048.2 "low-voltage switchgear and controlgear part 2: circuit breaker", IEC 60947-3, GB/T 14048.3 "low-voltage switchgear and controlgear, part 3: switch, disconnectors, switch-disconnectors and fuse - combination units", IEC 61009-1, GB/T 16917.1 "residual current action circuit breaker with overcurrent protection for household and similar purposes", etc.

It has the following characteristics:

- > With short circuit current limiting structure - high rated short circuit current breaking capacity.
- > With overload and short circuit protection device - Perfect protection function.
- > Adopt "frame type" wire connection - wire connection is safe and reliable.
- > Compatible with a variety of accessories: residual current circuit breaker, auxiliary contacts, alarm contacts, shunt release ,under-voltage release ,over/under voltage release.
- > Modularization - random combination, series matching.
- > Installed by TH35mm standard guideway - portable and convenient installation.
- > Auxiliary contacts, alarm contacts and shunt release,under-voltage release ,over/under voltage release - expedienly expand functions.

正常使用条件 Regular service condition

- > 环境温度：-5°C~+40°C
- > 海拔高度：≤2000m
- > 空气相对湿度：≤ 90%
- > Ambient temperature: -5°C~+40°C
- > Altitude: ≤2000m
- > Air relative humidity: ≤ 90%

RMC3 小型断路器 Miniature circuit breaker

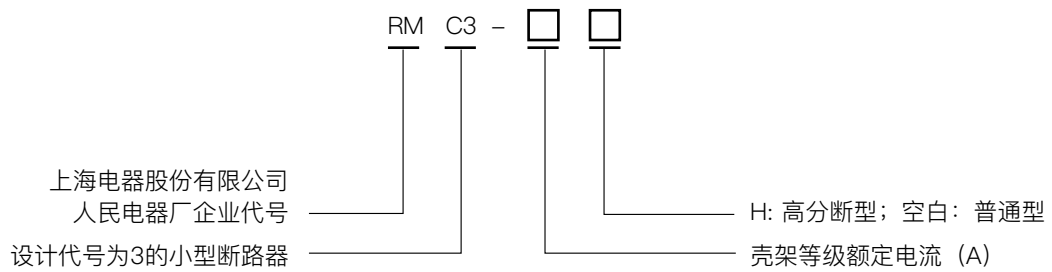
- 功能:

- > 短路保护
- > 过载保护
- > 隔离功能
- > 触头断开可视窗指示

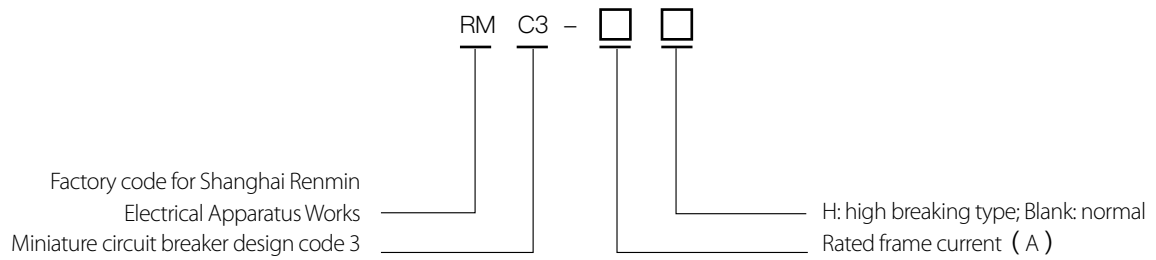
- Function :

- > Short circuit protection
- > Overload protection
- > Disconnection
- > Visible window indication of contacts disconnection

- 型号含义 :



- Type and meaning :



断路器的技术数据 Technical specification of circuit breaker

	RMC3-63				RMC3-63H				RMC3-125			
符合标准 Standards	IEC 60898-1 GB/T 10963.1				IEC 60898-1 GB/T 10963.1				IEC 60947-2 GB/T 14048.2			
外形 Outline												
极数 Pole number	1	2	3	4	1	2	3	4	1	2	3	4
宽度 Width (mm)	18	36	54	72	18	36	54	72	27	54	81	108
额定频率 Rated frequency (Hz)	50/60				50/60				50/60			
额定工作电压Ue (V) Rated working voltage Ue (V)	230/400		400		230/400		400		230/240		400/415	
额定绝缘电压Ui (V) Rated insulation voltage Ui (V)	500				500				415			
额定冲击耐受电压Uimp (kV) Rated impulse withstand voltage Uimp (kV)	4				4				6			
瞬时脱扣电流型式 Instantaneous tripping current type	B, C, D				B, C, D				C, D			
额定电流In (A) Rated current In (A)	1, 2, 3, 4, 5, 6, 10, 16, 20, 25, 32, 40, 50, 63				1, 2, 3, 4, 5, 6, 10, 16, 20, 25, 32, 40, 50, 63				50, 63, 80, 100, 125			
运行短路能力Ics(kA) Operating short circuit breaking capability Ics(kA)	6				6				7.5			
额定短路能力Icn(kA) Rated short circuit breaking capacity Icn(kA)	6				7.5				10			
机械寿命 (次) Mechanical life (times)	10000				10000				10000			
电气寿命 (次) Electrical life (times)	4000				4000				4000			
接线能力 Wiring ability	≤25mm ²				≤25mm ²				≤50mm ²			
进线方式 Incoming wire mode	上下均可 Top in or bottom in				上下均可 Top in or bottom in				上下均可 Top in or bottom in			

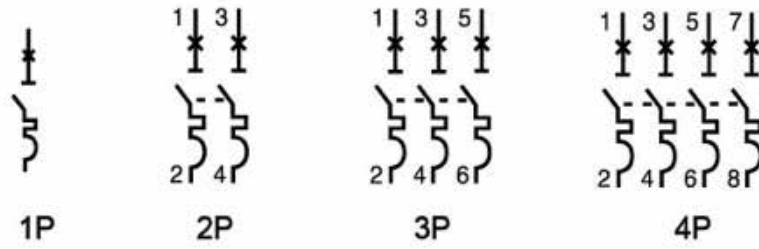
注：1、当使用下进线时，按80%降容使用。

2、B型瞬时脱扣电流3-5倍电流；C型瞬时脱扣电流5-10倍电流；D型瞬时脱扣电流10-20倍电流。

Note: 1. Capacity-Reducing to 80%In for bottom in connection.

2. Type B of Instantaneous tripping current is 3In-5In ; type C of Instantaneous tripping current is 5In-10In ; type D of Instantaneous tripping current is 10In-20In.

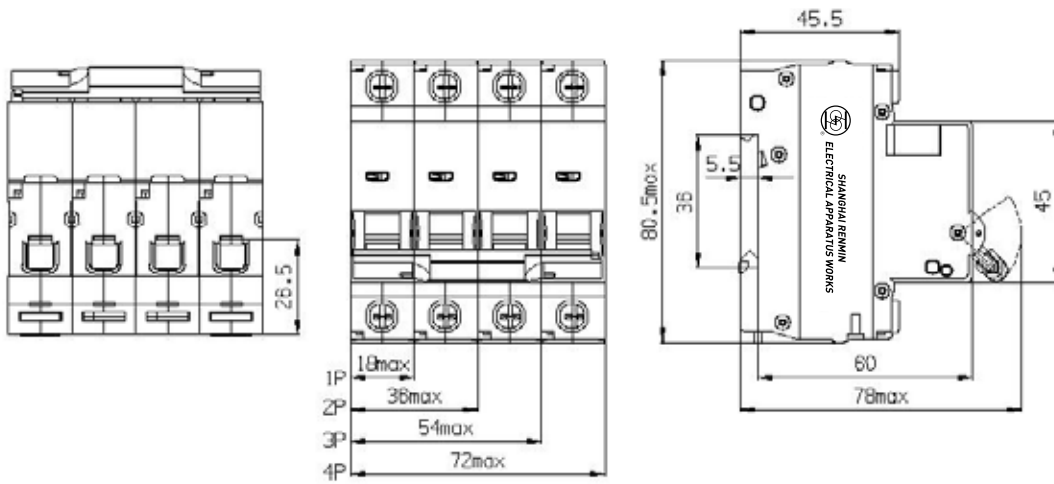
电气线路图 Electrical circuit diagram



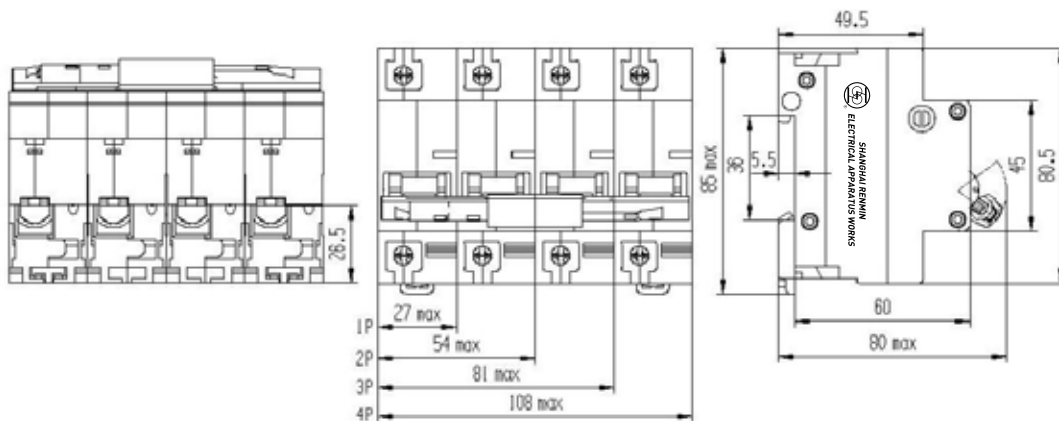
外形尺寸和安装尺寸 (单位: mm)

Outline dimensions and mounting dimensions (unit: mm)

· RMC3-63, RMC3-63H



· RMC3-125



RMC3L

剩余电流动作断路器

Residual working current circuit breaker

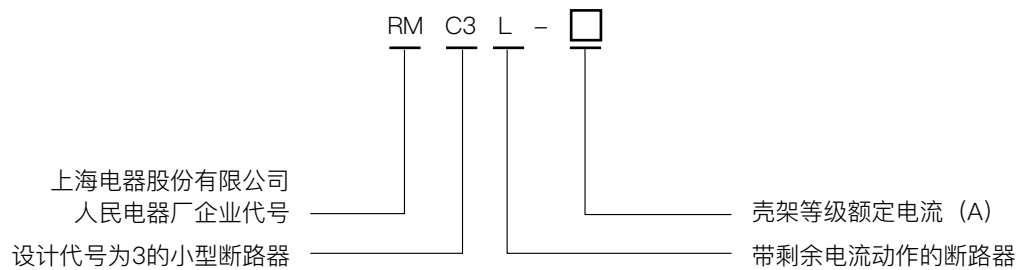
- 功能:

- > 短路保护
- > 过载保护
- > 剩余电流动作保护

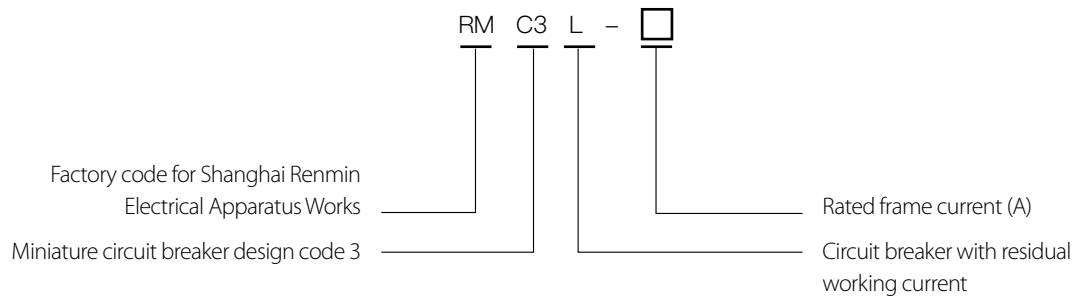
- Function :

- > Short circuit protection
- > Overload protection
- > Residual working current protection.

- 型号含义 :



Type and meaning :



断路器的技术数据 Technical specification of circuit breaker

	RMC3L-32					RMC3L-63					RMC3L-125				
符合标准 Standards	IEC 61009-1 GB/T 16917.1					IEC 61009-1 GB/T 16917.1					IEC 60947-2 GB/T 14048.2				
外形 Outline															
极数 Pole number	1N	2	3	3N	4	1N	2	3	3N	4	1N	2	3	3N	4
宽度 Width (mm)	45	63	90	99	117	54	72	103.5	117	135	54	81	108	108	135
中性极 Neutral pole	1N、3N不开闭 1N、3N Un-switching					1N、3N不开闭 1N、3N Un-switching					1N、3N不开闭 1N、3N Un-switching				
额定频率 Rated frequency (Hz)	50/60					50/60					50/60				
额定工作电压Ue (V) Rated working voltage Ue (V)	230		400			230		400			230		400		
额定绝缘电压Ui (V) Rated insulation voltage Ui (V)	400					400					415				
额定冲击耐受电压Uimp (kV) Rated impulse withstand voltage Uimp (kV)	4					4					6				
瞬时脱扣电流型式 Instantaneous tripping current type	B, C, D					B, C, D					C, D				
直流分量工作状态 behaviour in presence of d.c. components	AC型/A型 Type AC/Type A					AC型/A型 Type AC/Type A					AC型 Type AC				
额定电流In (A) Rated current In (A)	1, 2, 3, 4, 5, 6, 10, 16, 20, 25, 32					6, 10, 16, 20, 25, 32, 40, 50, 63					50, 63, 80, 100, 125				
运行短路能力Ics(kA) Operating short circuit breaking capability Ics(kA)	6					6					7.5				
额定短路能力Icn(kA) Rated short circuit breaking capacity Icn(kA)	6					6					10				
额定剩余动作电流IΔn (mA) Rated residual working current IΔn (mA)	30					30					30, 100				
机械寿命 (次) Mechanical life (times)	10000					10000					10000				
电气寿命 (次) Electrical life (times)	4000					4000					4000				
接线能力 Wiring ability	≤10mm ²					≤25mm ²					≤50mm ²				
进线方式 Incoming wire mode	上进线 Top in					上进线 Top in					上进线 Top in				

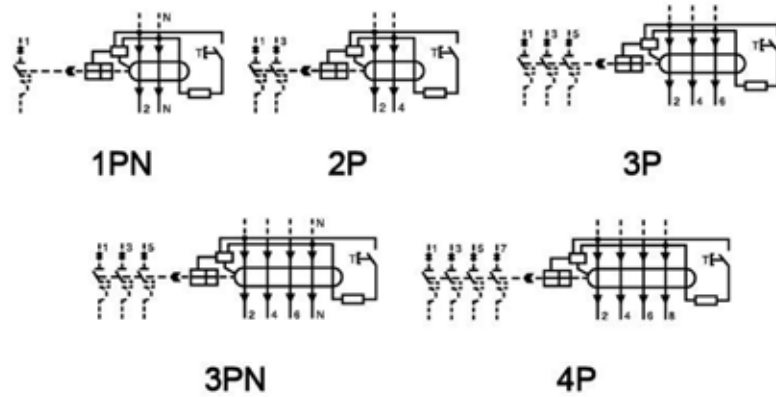
注：1、B型瞬时脱扣电流3-5倍电流；C型瞬时脱扣电流5-10倍电流；D型瞬时脱扣电流10-20倍电流。

2、如需下进线，在订货时需注明并与厂商协商供货。

Note: 1、Type B of Instantaneous tripping current is 3In-5In; type C of Instantaneous tripping current is 5In-10In; type D of Instantaneous tripping current is 10In-20In.

2、If you need to choose bottom in of the incoming wire mode, you should specify and negotiate with the manufacturer when ordering.

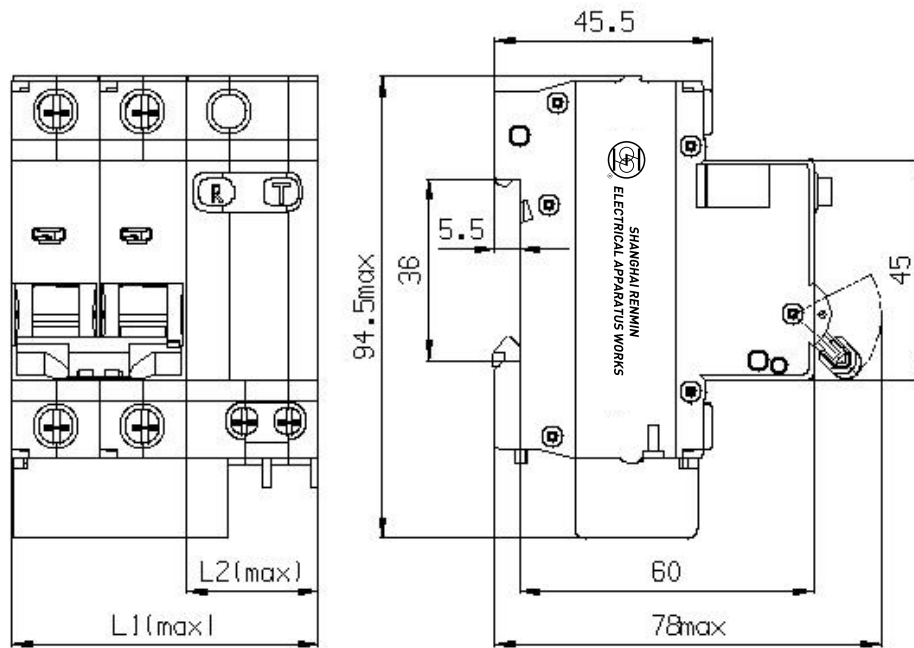
电气线路图 Electrical circuit diagram



外形尺寸和安装尺寸 (单位: mm)

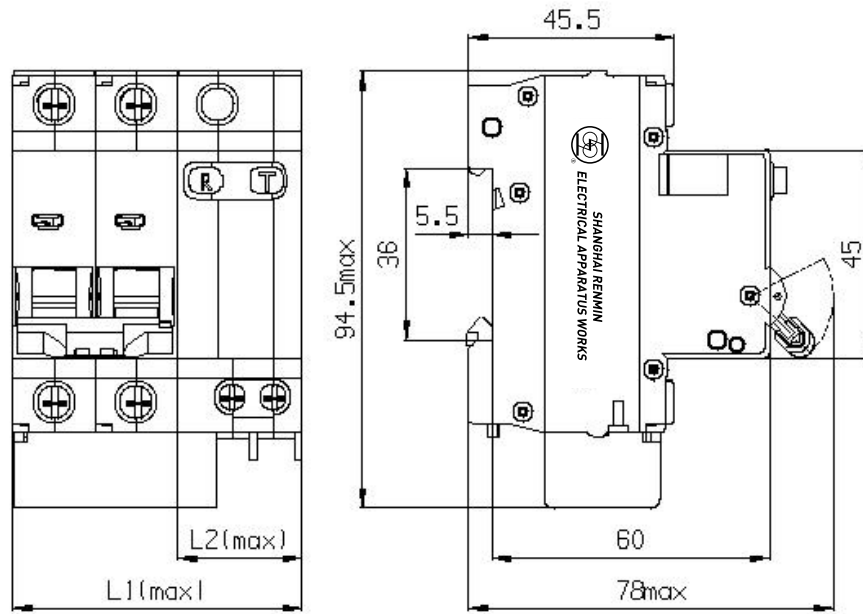
Outline dimensions and mounting dimensions (unit: mm)

· RMC3L-32



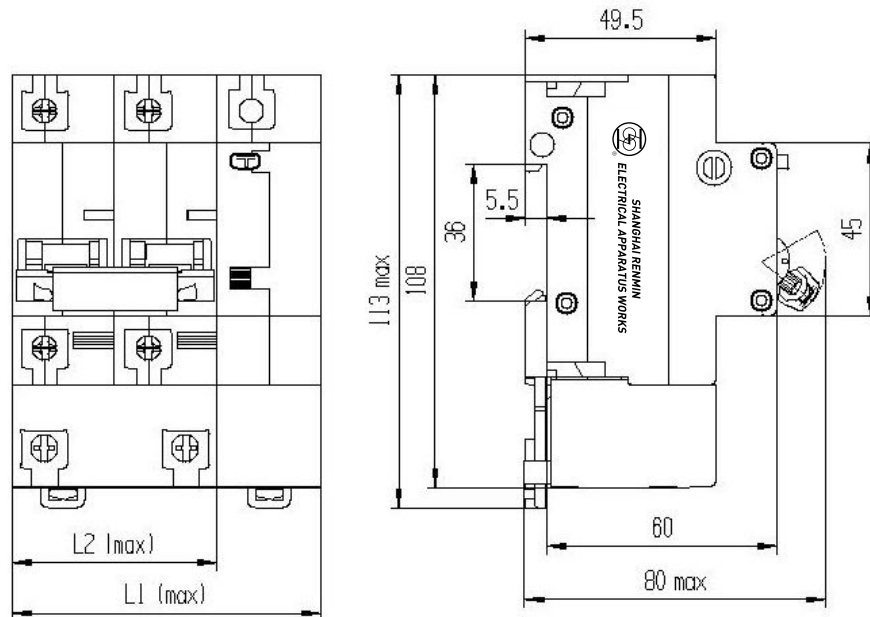
型号规格 Types	L1(mm)	L2(mm)
RMC3L-32/1PN	45	27
RMC3L-32/2P	63	27
RMC3L-32/3P	90	36
RMC3L-32/3PN	99	45
RMC3L-32/4P	117	45

· RMC3L-63



型号规格 Types	L1(mm)	L2(mm)
RMC3L-63/1PN	54	36
RMC3L-63/2P	72	36
RMC3L-63/3P	103.5	49.5
RMC3L-63/3PN	117	63
RMC3L-63/4P	135	63

· RMC3L-125



型号规格 Types	L1(mm)	L2(mm)
RMC3L-125/1PN	54	27
RMC3L-125/2P	81	54
RMC3L-125/3P	108	81
RMC3L-125/3PN	108	81
RMC3L-125/4P	135	108

RMC3L-G/Q/GQ

过欠压剩余电流动作断路器

Over/under voltage residual working current circuit breaker

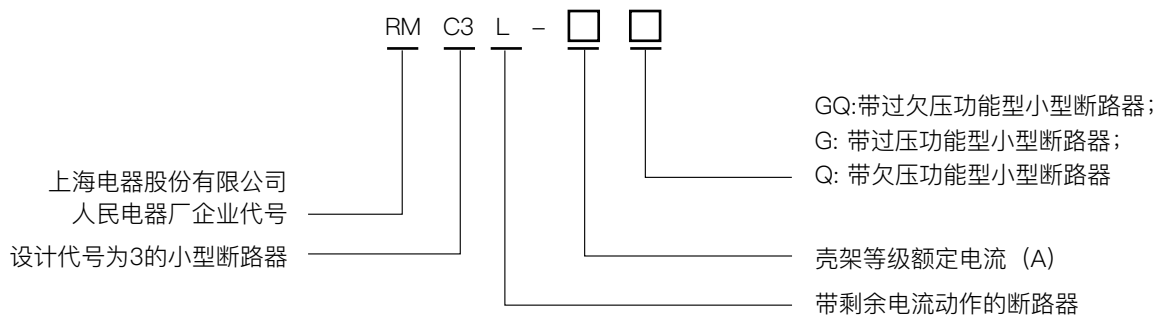
- 功能:

> 加装于RMC3小型断路器右侧，对对地漏电、人体直接或间接触电、线路过电压等故障进行保护。

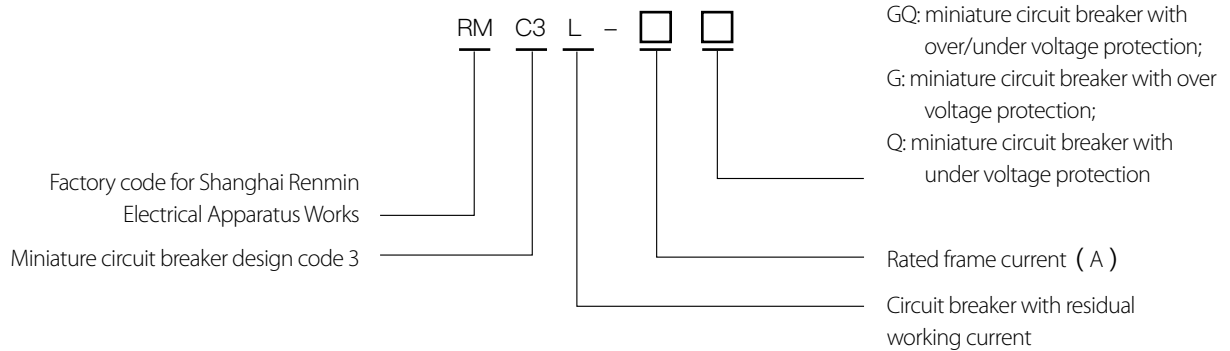
- Function :

> It is installed on the right side of RMC3 miniature circuit breaker to protect against the earth leakage, direct or indirect electric shocks, overvoltage and other faults.

- 型号含义 :



Type and meaning :



断路器的技术数据 Technical specification of circuit breaker

	RMC3L-32G/Q/GQ		RMC3L-63G/Q/GQ		RMC3L-125G/Q/GQ	
符合标准 Standards	IEC 61009-1 GB/T 16917.1		IEC 61009-1 GB/T 16917.1		IEC 60947-2 GB/T 14048.2	
外形 Outline						
极数 Pole number	1N	2	1N	2	1N	2
宽度 Width (mm)	45	63	54	72	54	81
中性极 Neutral pole	不开闭 Un-switching		不开闭 Un-switching		不开闭 Un-switching	
额定频率 Rated frequency (Hz)	50/60		50/60		50/60	
额定工作电压Ue (V) Rated working voltage Ue (V)	230		230		230	
额定绝缘电压Ui (V) Rated insulation voltage Ui (V)	400		400		415	
额定冲击耐受电压Uimp (kV) Rated impulse withstand voltage Uimp (kV)	4		4		6	
瞬时脱扣电流型式 Instantaneous tripping current type	B, C, D		B, C, D		C, D	
直流分量工作状态 behaviour in presence of d.c. components	AC型/A型 Type AC/Type A		AC型/A型 Type AC/Type A		AC型 Type AC	
额定电流In (A) Rated current In (A)	1, 2, 3, 4, 5, 6, 10, 16, 20, 25, 32		6, 10, 16, 20, 25, 32, 40, 50, 63		50, 63, 80, 100, 125	
运行短路能力Ics(kA) Operating short circuit breaking capability Ics(kA)	6		6		7.5	
额定短路能力Icn(kA) Rated short circuit breaking capacity Icn(kA)	6		6		10	
额定剩余动作电流IΔn (mA) Rated residual working current IΔn (mA)	30		30		30, 100	
机械寿命 (次) Mechanical life (times)	10000		10000		10000	
电气寿命 (次) Electrical life (times)	4000		4000		4000	
接线能力 Wiring ability	≤10mm ²		≤25mm ²		≤50mm ²	
进线方式 Incoming wire mode	上进线 Top in		上进线 Top in		上进线 Top in	

注：B型瞬时脱扣电流3-5倍电流；C型瞬时脱扣电流5-10倍电流；D型瞬时脱扣电流10-20倍电流。

Note: Type B of Instantaneous tripping current is 3In-5In ; type C of Instantaneous tripping current is 5In-10In ; type D of Instantaneous tripping current is 10In-20In.

动作性能 Operational performance

• 过电压 (G)

1) 性能指标:

- 额定过电压动作值: $AC280 \pm 12V$;
- 最大分断时间: 0.1s。

2) 动作性能

当电源电压上升至 $AC280 \pm 12V$ 时, 断路器应脱扣。

• 欠电压 (Q)

1) 性能指标:

- 额定欠电压动作值: $AC170 \pm 7V$;
- 最大分断时间: 1s。

2) 动作性能

当电源电压下降至 $AC170 \pm 7V$ 时, 断路器应脱扣; 当电源电压低于约 $AC50V$ 时, 断路器不具备脱扣能力。

注: 当用户不需要漏电保护功能时, 也可以提供过电压和(或)欠电压附件。

• Over voltage (G)

1) Performance parameter:

- Rated overvoltage action value: $AC280 \pm 12V$;
- Maximum breaking time: 0.1s.

2) Operational Performance

The circuit breaker shall trip when the voltage of power supply rises to $AC280 \pm 12V$.

• Under voltage (Q)

1) Performance parameter:

- Rated under-voltage action value: $AC170 \pm 7V$;
- Maximum breaking time: 1s.

2) Operational Performance

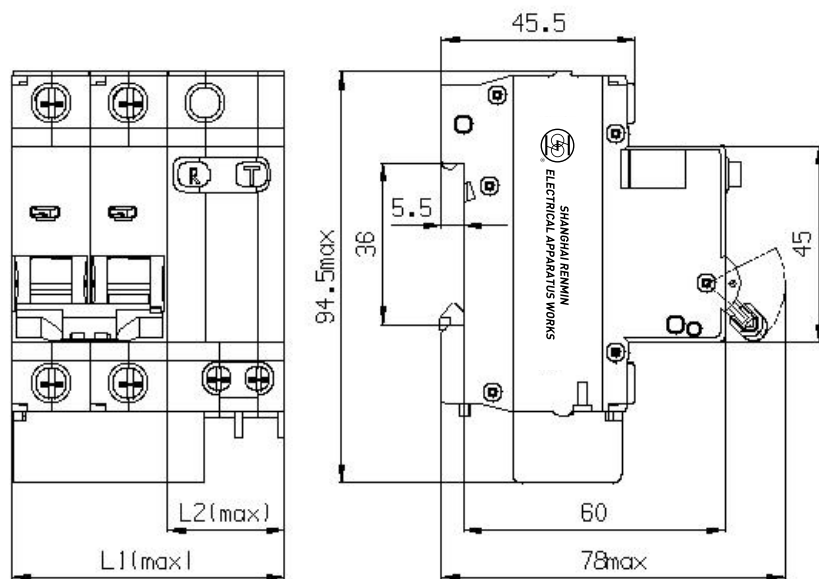
The circuit breaker shall trip when the voltage of power supply drops to $AC170 \pm 7V$. The circuit breaker does not have the ability to trip when the power supply voltage is lower than about $AC50V$.

Note: Overvoltage and/or under voltage accessories can also be provided when the user does not need the leakage protection function.

外形尺寸和安装尺寸 (单位: mm)

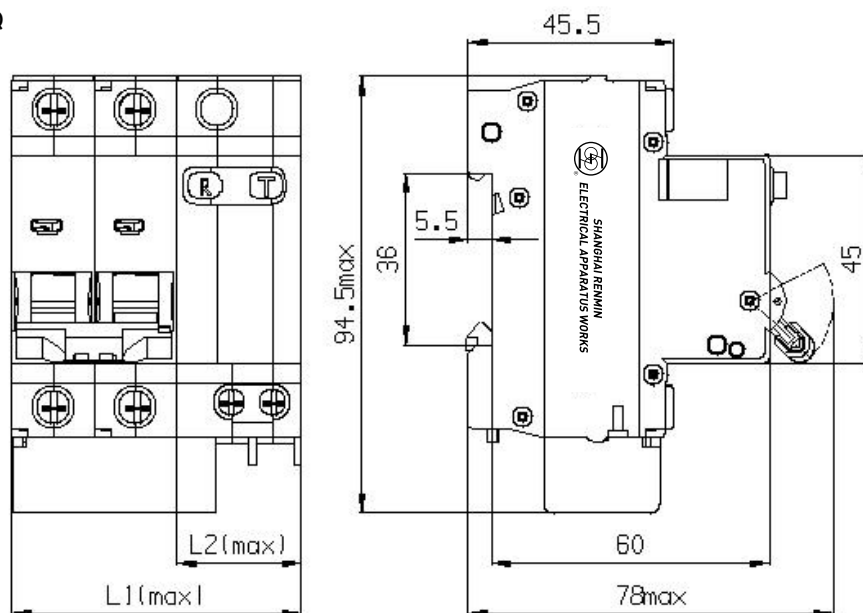
Outline dimensions and mounting dimensions (unit: mm)

• RMC3L-32G/Q/GQ



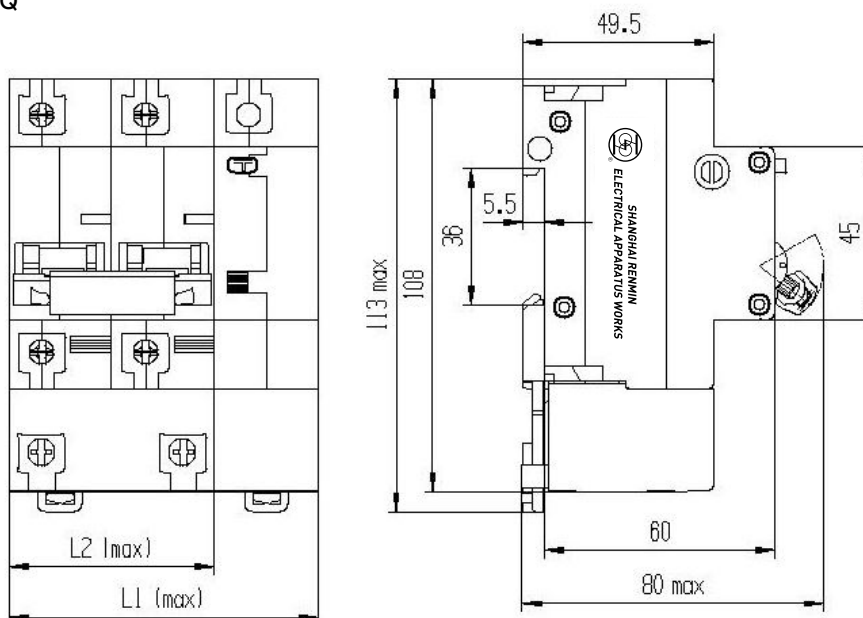
型号规格 Types	L1	L2
RMC3L-32G/Q/GQ/1PN	45	27
RMC3L-32G/Q/GQ/2P	63	27

· RMC3L-63G/Q/GQ



型号规格 Types	L1(mm)	L2(mm)
RMC3L-63G/Q/GQ/1PN	54	36
RMC3L-63G/Q/GQ/2P	72	36

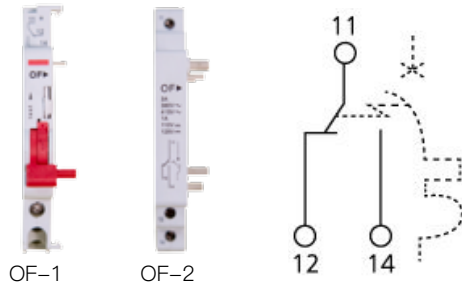
· RMC3L-125G/Q/GQ



型号规格 Types	L1(mm)	L2(mm)
RMC3L-125G/Q/GQ/1PN	54	27
RMC3L-125G/Q/GQ/2P	81	54

断路器附件 BREAKER ACCESSORIES

OF辅助触头 OF auxiliary contact



- 宽度 (mm) : 9
- 功能: OF-1加装于RMC3-63(H)小型断路器左侧; OF-2加装于RMC3-125小型断路器左侧。指示断路器通断状态。

注: 与RMC3断路器拼接后。

合闸时11,14接通。

分闸时11,12接通。

最多可连续拼装2个OF或1个OF+1个SD。

技术参数 Technical parameters

	电压voltage	电流current
AC	230V	6A
AC	400V	3A
DC	24V	6A
DC	48V	2A
DC	125V	1A
DC	250V	0.4A

- Width (mm): 9
- Function: OF-1 is installed on the left side of RMC3-63(H) miniature circuit breaker; OF-2 is installed on the left side of RMC3-125 miniature circuit breaker. To indicate the on/off state of the circuit breaker.

Note: By installing with RMC3 circuit breaker,

Connecting 11, 14 while switch-on.

Connecting 11, 12 while switch-off.

Up to 2 OF or 1 OF+1 SD can be installed.

SD报警触头 SD alarm contact



- 宽度 (mm) : 9
- 功能: SD-1加装于RMC3-63(H)小型断路器左侧; SD-2加装于RMC3-125小型断路器左侧。指示断路器故障脱扣状态。

注: 与RMC3断路器拼接后。

合闸时91,92接通。

故障分闸时91,94接通。

手动分闸时91,92接通 91, 94不通。

最多可连续拼装2个SD。

技术参数 Technical parameters

	电压voltage	电流current
AC	230V	6A
AC	400V	3A
DC	24V	6A
DC	48V	2A
DC	125V	1A
DC	250V	0.4A

- Width (mm): 9
- Function: SD-1 is installed on the left side of RMC3-63(H) miniature circuit breaker; SD-2 is installed on the left side of RMC3-125 miniature circuit breaker. To indicate circuit breaker fault tripping status.

Note: by installing with RMC3 circuit breaker.

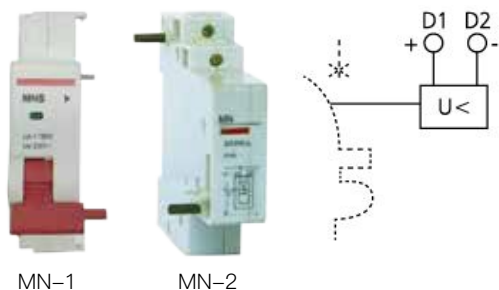
Connecting 91, 92 while switch-on.

Connecting 91, 94 while fault tripping.

Connecting 91, 92 and disconnecting 91, 94 while manual switching off.

Up to 2 SD can be installed.

MN欠压脱扣器 MN under voltage release



MN-1

MN-2

- **宽度 (mm) :** 18
- **功能:** MN-1 加装于RMC3-63(H)小型断路器左侧; MN-2 加装于RMC3-125小型断路器右侧。线路电压降至35%~70%时, 触发断路器脱扣, 直至电压恢复至85%以上断路器才可以手动接通。

技术参数 Technical parameters

	电压voltage
AC	230V
	400V

- **Width (mm):** 18
- **Function:** MN-1 is installed on the left side of RMC3-63(H) miniature circuit breaker; MN-2 is installed on the right side of RMC3-125 miniature circuit breaker. The circuit breaker will trip when the line voltage drops to 35%~70%. The circuit breaker cannot be manually switched on until the voltage is restored to over 85%.

MV+MN过欠压脱扣器 MV+MN over and under voltage release



MV+MN-1

MV+MN-2

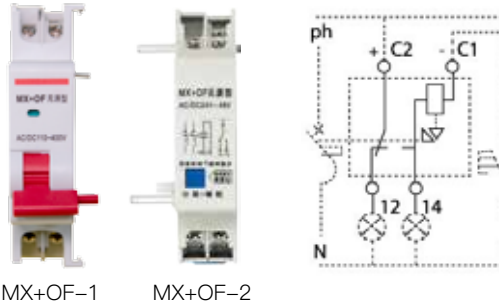
- **宽度 (mm) :** 18
- **功能:** MV+MN-1 加装于RMC3-63(H)小型断路器左侧; MV+MN-2 加装于RMC3-125小型断路器右侧。

技术参数 Technical parameters

额定电压 Rated voltage	过电压动作整定值 overvoltage action value	欠电压动作整定值 under-voltage action value
AC230V	270V±5%	170V±5%
AC400V	460V±15V	300V±15V

- **Width (mm):** 18
- **Function:** MV+MN-1 is installed on the left side of RMC3-63(H) miniature circuit breaker; MV+MN-2 is installed on the right side of RMC3-125 miniature circuit breaker.

MX + OF分励脱扣器 MX+OF Shunt release



MX+OF-1 MX+OF-2

- **宽度 (mm) :** 18
- **功能:** MX+OF-1加装于RMC3-63(H)小型断路器左侧; MX+OF-2加装于RMC3-125小型断路器右侧。
对断路器脱扣进行远程控制。
指示断路器通断状态。
- **接线能力:** 单线: 2.5mm²; 双线: 1.5mm²

注: 转换接点为有源接点, 禁止作为无源触点使用, 接入其他弱电模块。

技术参数 Technical parameters

	电压voltage	电流current
AC	230V	6A
AC	400V	3A
DC	24V	6A
DC	48V	2A

- **Width (mm):** 18
- **Function:** MX+OF-1 is installed on the left side of RMC3-63(H) miniature circuit breaker; MX+OF-2 is installed on the right side of RMC3-125 miniature circuit breaker.
To remote control of circuit breaker tripping.
To indicate the on/off state of the circuit breaker.
- **Wiring ability:** Single wire: 2.5 mm²; Double wire: 1.5 mm²

Note: The transfer contacts are active contacts. They are forbidden to be used as passive contacts and access to other weak current modules.

RMC3B-32

小型断路器 (相线 + 中性线) miniature circuit breaker (phase + neutral line)

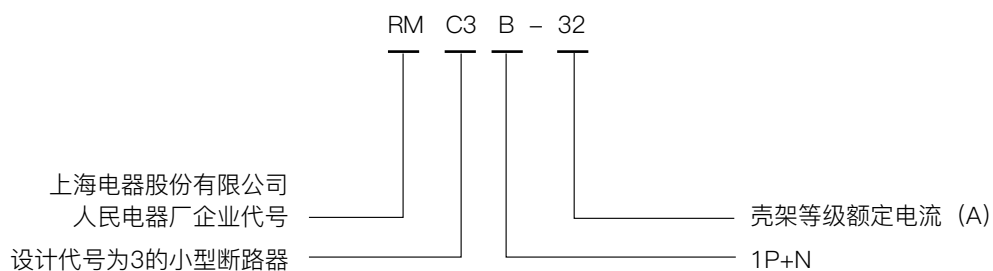
- 功能:

- > 短路保护
- > 过载保护
- > 隔离功能
- > 触头断开可视窗指示

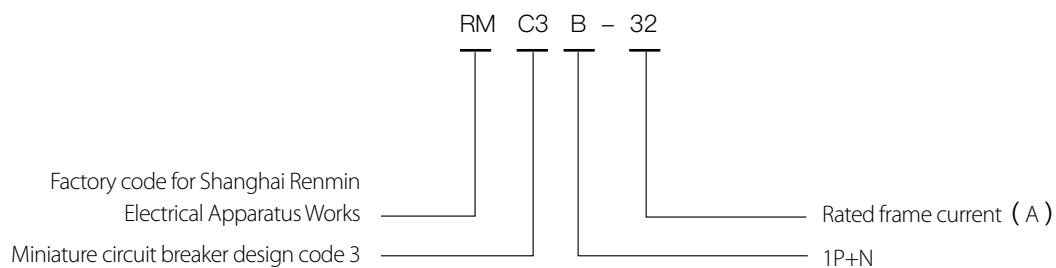
- Function :

- > Short circuit protection
- > Overload protection
- > Disconnection circuit
- > Visible window indication of contacts disconnection.

- 型号含义:



- Type and meaning :



断路器的技术数据 Technical specification of circuit breaker

	RMC3B-32
符合标准 Standards	IEC 60898-1 GB/T 10963.1
外形 Outline	
极数 Pole number	1N
宽度 Width (mm)	18
中性极 Neutral pole	可开闭 switching
额定频率 (Hz) Rated frequency (Hz)	50/60
额定工作电压Ue (V) Rated working voltage Ue (V)	230
额定绝缘电压Ui (V) Rated insulation voltage Ui (V)	230
额定冲击耐受电压Uimp (kV) Rated impulse withstand voltage Uimp (kV)	4
瞬时脱扣电流型式 Instantaneous tripping current type	C, D
额定电流In (A) Rated current In (A)	6, 10, 16, 20, 25, 32
运行短路能力Ics(kA) Operating short circuit breaking capability Ics(kA)	4.5
额定短路能力Icn(kA) Rated short circuit breaking capacity Icn(kA)	4.5
机械寿命 (次) Mechanical life (times)	10000
电气寿命 (次) Electrical life (times)	4000
接线能力 Wiring ability	≤10mm ²
进线方式 Incoming wire mode	上进线 Top in

注：C型瞬时脱扣电流5–10倍电流；D型瞬时脱扣电流10–20倍电流。

Note: Type C of Instantaneous tripping current is 5In-10In; type D of Instantaneous tripping current is 10In-20In.

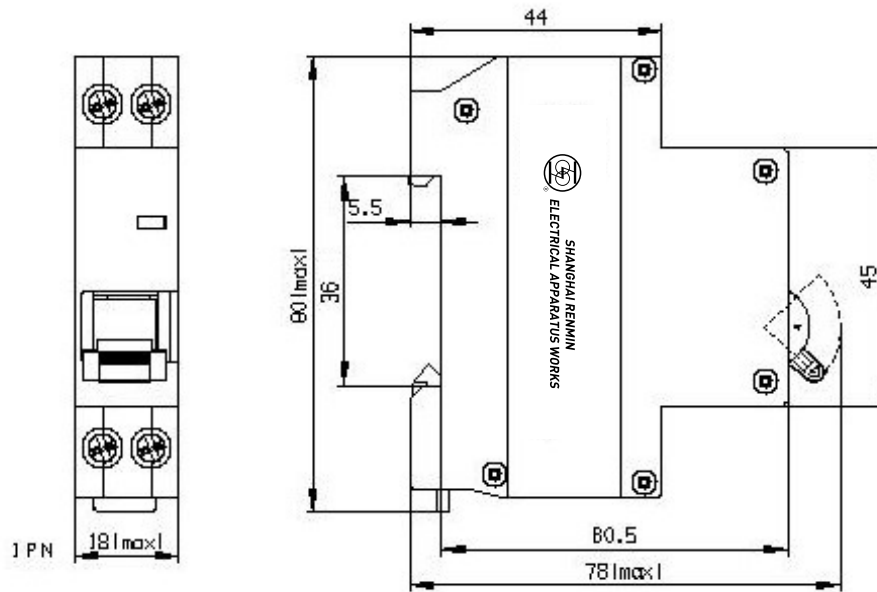
电气线路图 Electrical circuit diagram



外形尺寸和安装尺寸 (单位: mm)

Outline dimensions and mounting dimensions (unit: mm)

· RMC3B-32



RMC3BL-32

剩余电流动作断路器（相线 + 中性线） Residual working current circuit breaker (phase + neutral line)

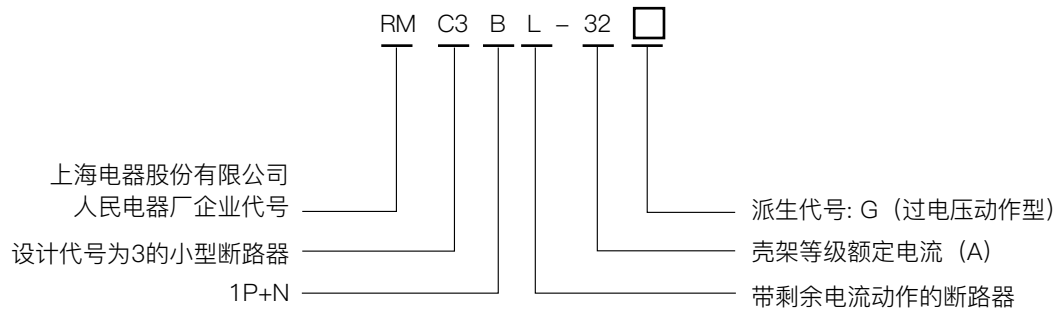
- 功能:

- > 短路保护
- > 过载保护
- > 剩余电流动作保护

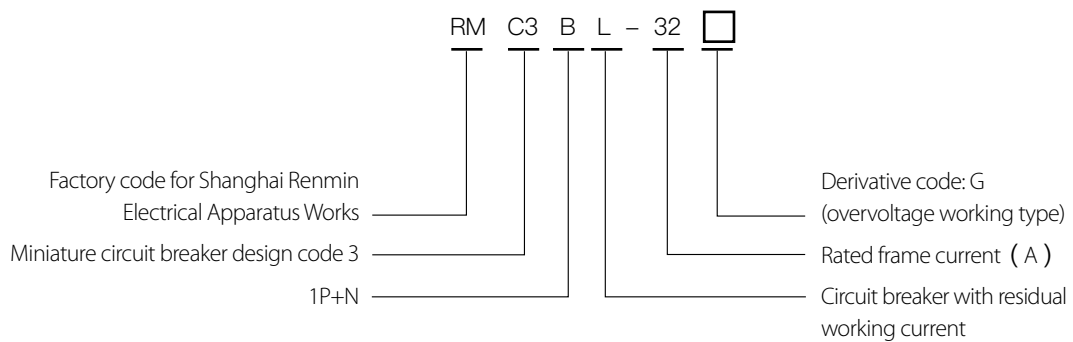
- Function :

- > Short circuit protection
- > Overload protection
- > Residual working current protection.

- 型号含义 :



- Type and meaning :



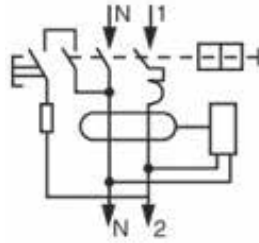
断路器的技术数据 Technical specification of circuit breaker

	RMC3BL-32	RMC3BL-32G
符合标准 Standards	IEC 61009-1 GB/T 16917.1	IEC 61009-1 GB/T 16917.1
外形 Outline		
极数 Pole number	1N	1N
宽度 Width (mm)	36	36
中性极 Neutral pole	可开闭 switching	可开闭 switching
额定频率 Rated frequency (Hz)	50/60	50/60
额定工作电压Ue (V) Rated working voltage Ue (V)	230	230
额定绝缘电压Ui (V) Rated insulation voltage Ui (V)	230	230
额定冲击耐受电压Uimp (kV) Rated impulse withstand voltage Uimp (kV)	4	4
瞬时脱扣电流型式 Instantaneous tripping current type	C, D	C, D
直流分量工作状态 behaviour in presence of d.c. components	AC型/A型 Type AC/Type A	AC型/A型 Type AC/Type A
额定电流In (A) Rated current In (A)	6, 10, 16, 20, 25, 32	6, 10, 16, 20, 25, 32
运行短路能力Ics(kA) Operating short circuit breaking capability Ics(kA)	4.5	4.5
额定短路能力Icn(kA) Rated short circuit breaking capacity Icn(kA)	4.5	4.5
额定剩余动作电流I Δ n (mA) Rated residual working current I Δ n (mA)	30	30
机械寿命 (次) Mechanical life (times)	10000	10000
电气寿命 (次) Electrical life (times)	4000	4000
接线能力 Wiring ability	$\leq 10\text{mm}^2$	$\leq 10\text{mm}^2$
进线方式 Incoming wire mode	上进线 Top in	上进线 Top in

注：C型瞬时脱扣电流5-10倍电流；D型瞬时脱扣电流10-20倍电流；过电压保护动作值AC280 × (1±5%) V。

Note: Type C of Instantaneous tripping current is 5In-10In; type D of Instantaneous tripping current is 10In-20In. The action value of overvoltage protection is AC280 × (1±5%) V.

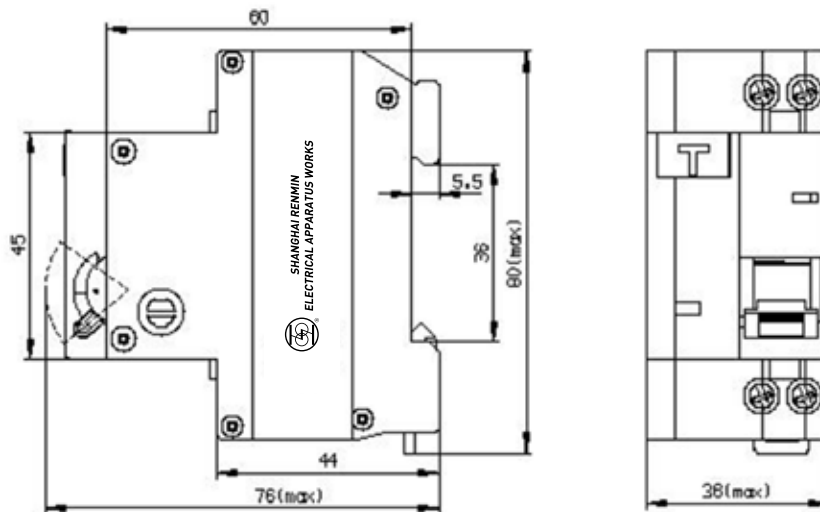
电气线路图 Electrical circuit diagram



外形尺寸和安装尺寸 (单位: mm)

Outline dimensions and mounting dimensions (unit: mm)

· RMC3BL-32/ RMC3BL-32G

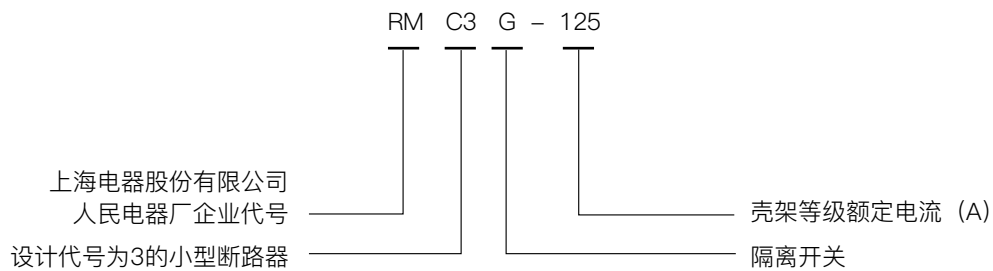


RMC3G-125

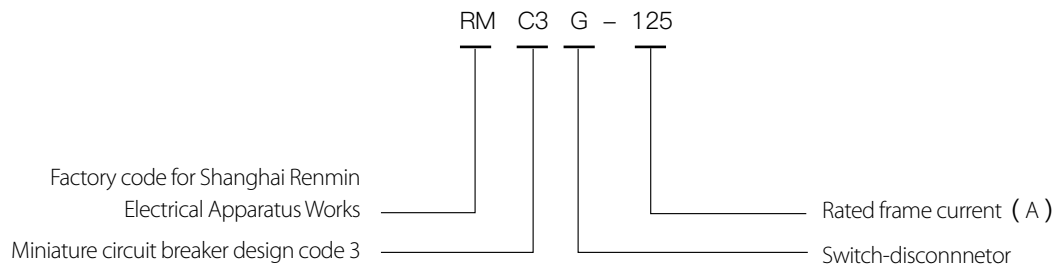
隔离开关 Switch-Disconnecter

- 功能：
 - > 带负荷接通和分断线路
 - > 隔离功能。
- Function :
 - > Loading on ON/OFF.
 - > Disconnection circuit.

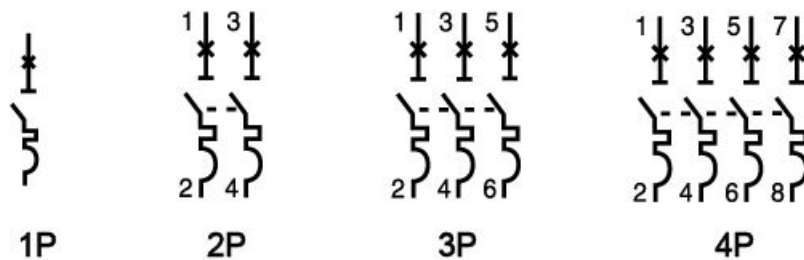
- 型号含义：




- Type and meaning :



电气线路图 Electrical circuit diagram



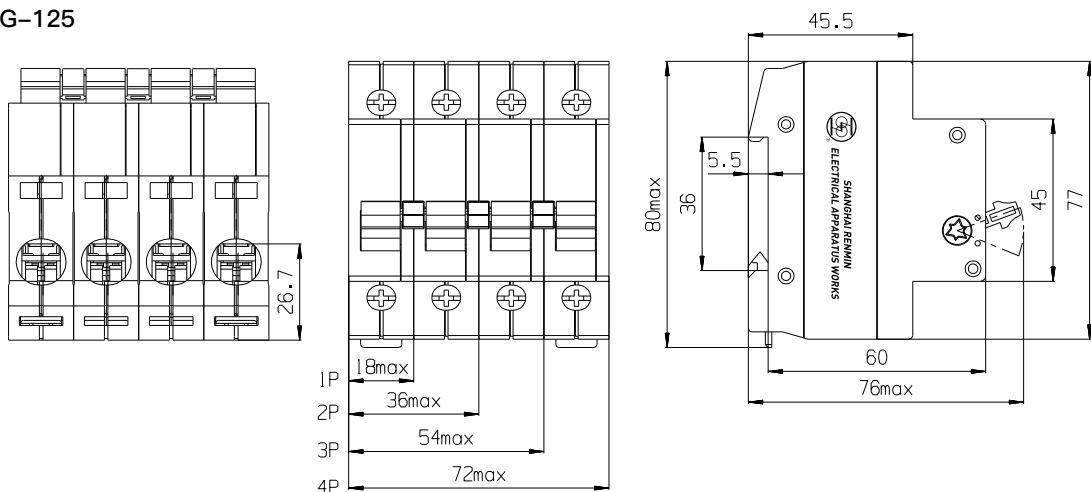
断路器的技术数据 Technical specification of circuit breaker

		RMC3G-125			
符合标准 Standards		IEC 60947-3 GB/T 14048.3			
外形 Outline					
极数 Pole number		1	2	3	4
宽度 Width (mm)		18	36	54	72
额定频率 (Hz) Rated frequency (Hz)		50/60			
额定工作电压Ue (V) Rated working voltage Ue (V)		240/415	400/415		
额定绝缘电压Ui (V) Rated insulation voltage Ui (V)		1000			
额定冲击耐受电压Uimp (kV) Rated impulse withstand voltage Uimp (kV)		6			
额定电流In (A) Rated current In (A)		32, 63, 100, 125			
机械寿命 (次) Mechanical life (times)		10000			
电气寿命 (次) Electrical life (times)		4000			
接线能力 Wiring ability		≤50mm ²			
进线方式 Incoming wire mode		上进线 Top in			

外形尺寸和安装尺寸 (单位: mm)

Outline dimensions and mounting dimensions (unit: mm)

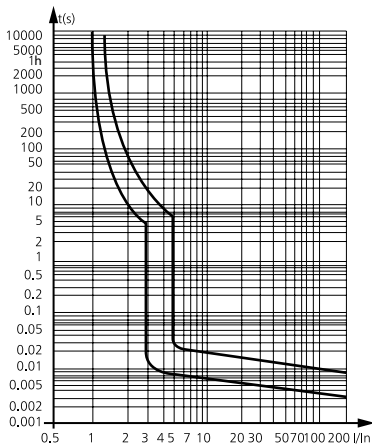
· RMC3G-125



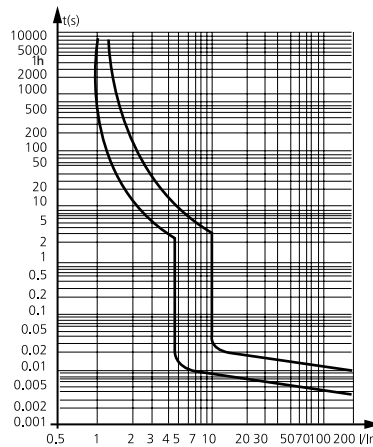
特性资料

CHARACTERISTIC DATAS

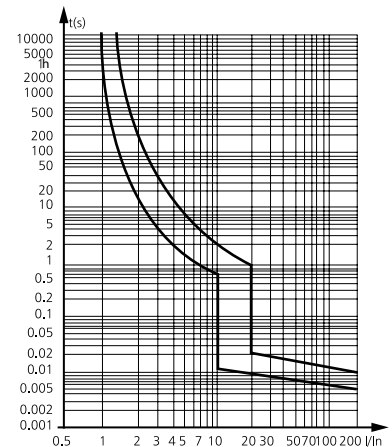
脱扣特性 Tripping characteristics



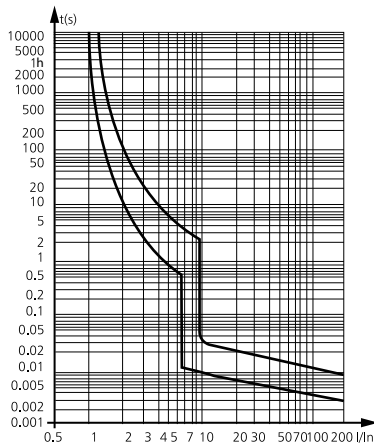
RMC3-63 B型(3-5In)



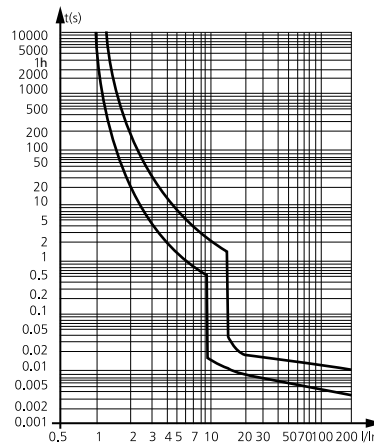
RMC3B-32、RMC3-63C型(5-10In)



RMC3B-32、RMC3-63 D型(10-20In)



RMC3-125C型 8In(1+20%)



RMC3-125 D型 12In(1+20%)

结构特性 Structural characteristics

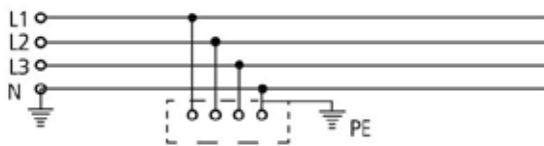
- > 按直流控制电路的功率选择断路器的额定电流
 > 直流额定电压决定需要几极断路器串联工作
- > The power of the DC control circuit selects the rated current of the circuit breaker
 > The rated DC voltage should be determined the numbers of poles of circuit breakers working in series

24V~48V	一极 one pole
110V	二极串联 two poles in series
220V	四极串联 four poles in series

- > 在以上使用条件下，线路预期短路电流不应超过
- > Under the above working conditions, the expected short circuit current of the circuit shall not exceed following value.

24V~48V	10kA
110V	20kA
220V	50kA

- > 相线 + 中性线系列产品在TT、TN-S系统中的使用
 > 在TT（三相四线制）、TN-S（三相五线制）系统中，要求相线与中性线同时断开。
- > Series products which use phase+neutral line work in TT, TN-S system.
 > In TT (three-phase four-wire) and TN-S (three-phase five-wire) systems, the phase line and neutral line should be disconnected at the same time.



接线扭矩 Wiring torque

螺丝尺寸 Screw size	额定扭矩(N.m) Rated torque	极限扭矩(N.m) Limit torque	国家标准额定扭矩(N.m) National standard rated torque
M3.5	1.2	2.0	1.0
M4	2.0	3.0	1.2
M5	2.5	5.1	2.0
M7	4.5	5.6	3.5

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