

Modular DIN Rail

YCB6 Series



Page A03
YCB6H-63
Miniature Circuit Breaker



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YCB6 Series
Circuit Breaker Accessories



Page A07
YCB6HLN-63
Residual Current Circuit Breaker with Over Current Protection



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YCB6HLE-63
Residual Current Circuit Breaker with Over Current Protection



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YCB6N-32
Miniature Circuit Breaker DPN



Page A13
YCB1-125
Miniature Circuit Breaker



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YCB1LE-125
Residual Current Circuit Breaker with Over Current Protection



Page A17
YCH6Z-125
Isolating Switch



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YCB6RL-100
RCCB Electromagnetic

YCB7 Series



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YCB7-63
Miniature Circuit Breaker



Page A25
YCB7LE-63Y
Residual Current Circuit Breaker with Over Current Protection



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YCB7LE-63
Residual Current Circuit Breaker with Over Current Protection



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YCB7-125
Miniature Circuit Breaker



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YCB7LE-125
Residual Current Circuit Breaker with Over Current Protection

YCB8 Series



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YCB8RL-63
RCCB Electromagnetic

Modular DIN Rail

YCB9 Series



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YCB9-80M
Miniature Circuit Breaker



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YCB9 Series
Circuit Breaker Accessories



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YCB9-63
Miniature Circuit Breaker



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YCB9N-40
Miniature Circuit Breaker DPN



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YCB9NL-40
Residual Current Circuit Breaker with Over Current Protection



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YCB9L-40
Residual Current Circuit Breaker with Over Current Protection



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YCB9HL-63
Residual Current Circuit Breaker with Over Current Protection



Page A51
YCB9LE-80M
Residual Current Circuit Breaker with Over Current Protection



Page A53
YCB9RL-100
Residual Current Circuit Breaker



Page A55
YCB9-125
Miniature Circuit Breaker



Page A57
YCH9-125
Isolating Switch



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YCB9ZF-100AP,100W
Smart Circuit Breaker



Page A66
YCBZ-40
Isolating Switch



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YCBZ-125
Isolating Switch



Page A68
ADM
Indicator



Page A69
YCMV3
Voltage Meter

Modular DIN Rail

Voltage Protection Relay



Page A70

YC6VA
Voltage Protection
Relay



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YC9VA
Digital Voltage and Current
Display Relay



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YC9VA-3
Digital Voltage and Current
Display Relay

Modular socket



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TMS-5
Modular Socket

Surge Protection Device



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YCS6-B
Surge Protection Device



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YCS6-C
Surge Protection Device



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YCS6-D
Surge Protection Device

Modular Contactor



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YCCH6
AC Contactors



Page A83

YCCH7
AC Contactors

Modular DIN Rail

Consumer Box



Page A86

YCX1
Surface Mount Distribution Box



Page A87

YCX2
Flush Mount Distribution Box



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YCX3
Surface Mount Distribution Box



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YCX6
Lighting Distribution Box



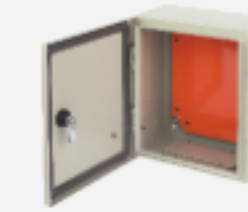
Page A90

HA
Water Proof Distribution Box
(IP65)



Page A91

SH-Q3
Water-proof Junction Box



Page A92

YCS1
Enclosure

Busbar



Page A95

Busbar Pin



Page A96

Busbar Fork

Low Voltage Fuse



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RT18
Low Voltage Fuse

Self-recovery Overvoltage and Undervoltage Protector



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YCZF6
Self-recovery Overvoltage
and
Undervoltage Protector

YCB6 Series

Miniature Circuit Breaker



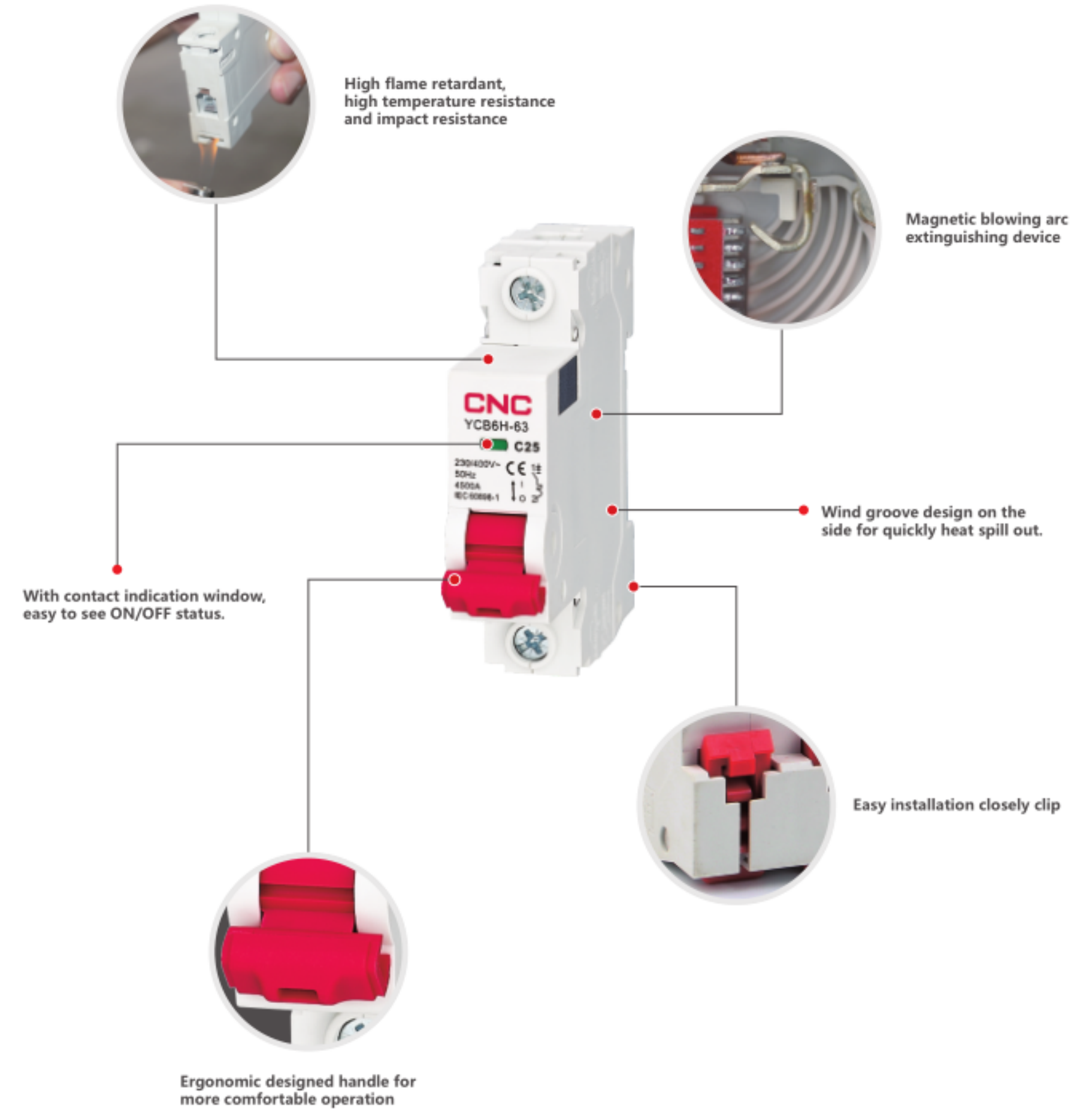
- Reliable performance for more safety
- Convenient to use

CNC
ELECTRIC

A01

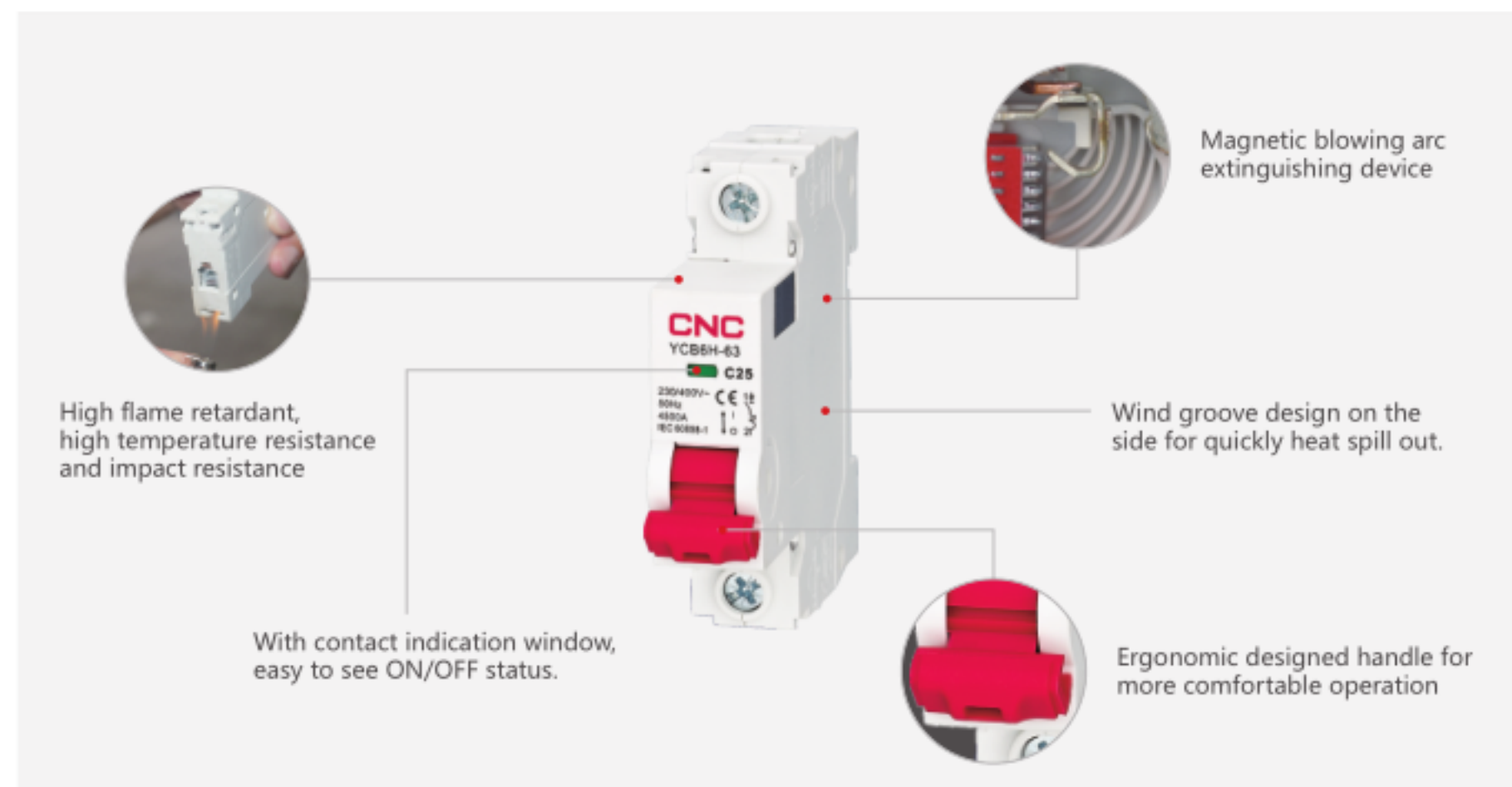
YCB6 Series MCB

Product Structure Analysis Diagram



A02

Modular DIN Rail
YCB6H-63 MCB



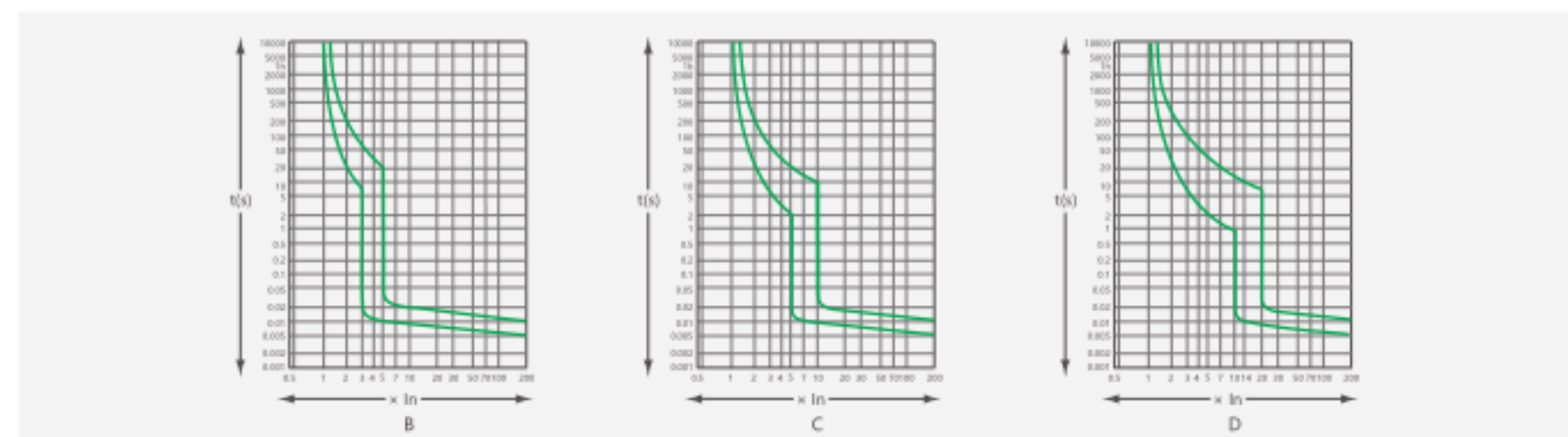
General

1. Overload protection
2. Short circuit protection
3. Controlling
4. Used in residential building, non-residential building, energy source industry and infrastructure.
5. According to the type of instantaneous release classified as follows: type B(3-5)I_n, type C(5-10)I_n, type D(10-20)I_n

Release

Type	Test current	Tripping time	Expected result	Type	Test current	Tripping time	Expected result
B,C,D	1.13I _n	t ≤ 1h(I _n ≤ 63A)	Not tripping	B	3I _n	t ≤ 0.1s	Not tripping
	1.13I _n	t ≤ 2h(I _n > 63A)		C	5I _n	t ≤ 0.1s	
B,C,D	1.45I _n	t < 1h(I _n ≤ 63A)	Tripping	D	10I _n	t ≤ 0.1s	
	1.45I _n	t < 2h(I _n > 63A)		B	5I _n	t < 0.1s	Tripping
B,C,D	2.55I _n	1s < t < 60s(I _n ≤ 32A)	Tripping	C	10I _n	t < 0.1s	
	2.55I _n	1s < t < 120s(I _n > 32A)		D	20I _n	t < 0.1s	

Curve

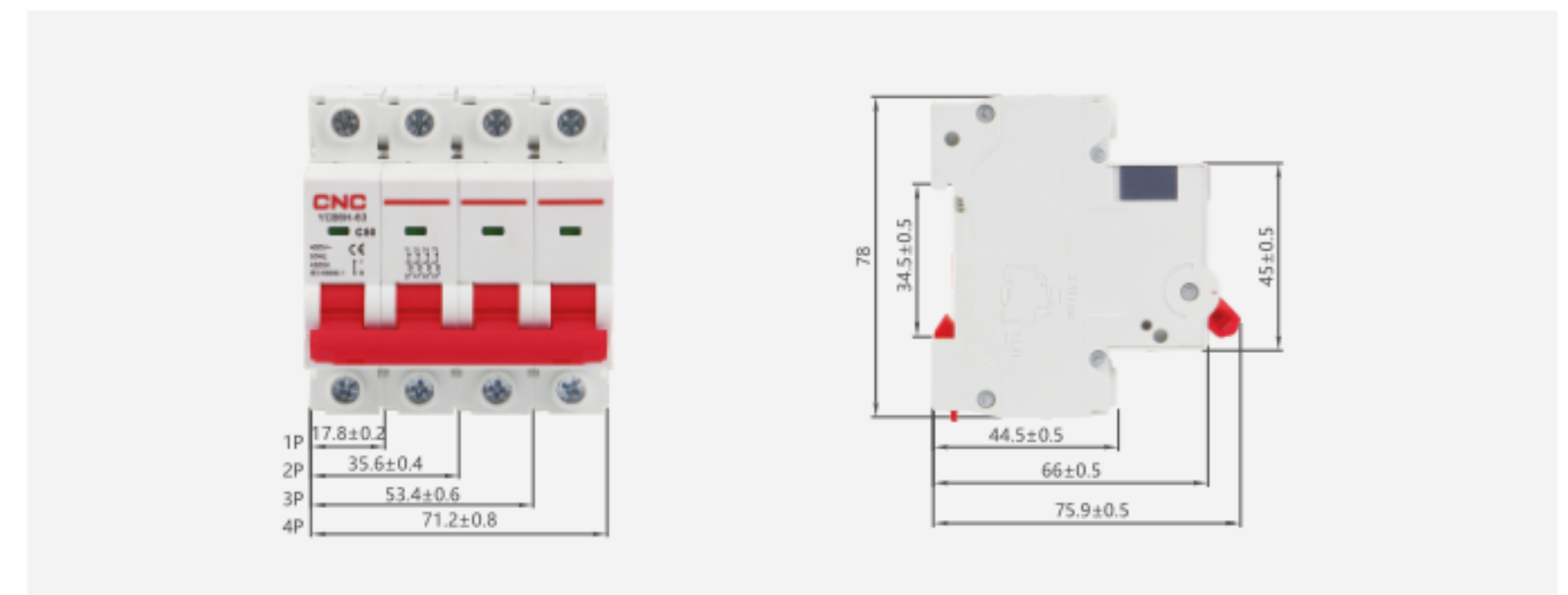


Modular DIN Rail
YCB6H-63 MCB

Specifications

Type	Standard		IEC/EN 60898-1	
Electrical features	Rated current I _n	A	1, 2, 3, 4, 6, 10, 16, 20, 25, 32, 40, 50, 63	
	Poles	P	1, 2, 3, 4	
	Rated voltage U _e	V	230/400	
	Insulation voltage U _i	V	500	
	Rated frequency	Hz	50/60	
	Rated breaking capacity	A	4500	
	Rated impulse withstand voltage(1.2/50)U _{imp}	V	4000	
	Dielectric test voltage at ind. Freq. for 1min	kV	2	
	Pollution degree			2
	Thermo-magnetic release characteristic			B, C, D
Mechanical features	Electrical life	t	6000	
	Mechanical life	t	20000	
	Protection degree		IP20	
	Reference temperature for setting of thermal element	°C	30	
	Ambient temperature (with daily average ≤ 35°C)	°C	-5 ~ +40	
Storage temperature	°C	-25 ~ +70		
Installation	Terminal connection type		Cable/Pin-type busbar	
	Terminal size top / bottom for cable	mm ²	25	
		AWG	18-3	
	Terminal size top / bottom for busbar	mm ²	25	
		AWG	18-3	
	Tightening torque	N*m	2	
		In-lbs	18	
	Mounting		On DIN rail EN 60715(35mm)by means of fast clip device	
Connection		From top and bottom		

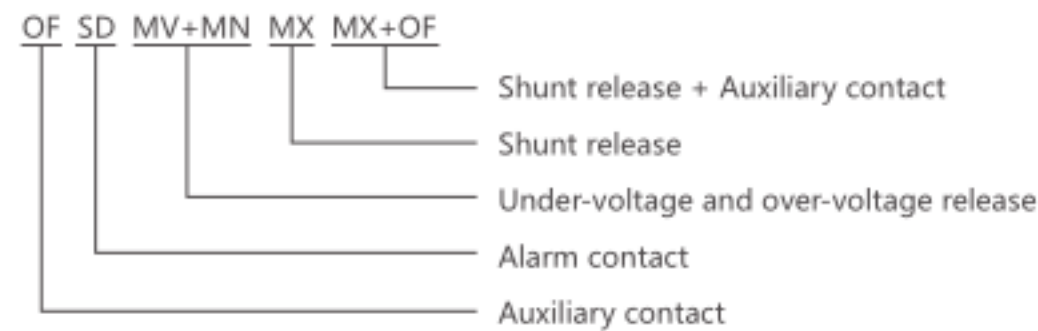
Overall and mounting dimensions(mm)



Product Overview

This series circuit breaker accessories are used in household, building and other electrical circuits, cooperated with YCB6 series circuit breaker to select different accessories according to the needs, so as to realize the remote control of circuit breaker, provide auxiliary signal, opening and closing status indication, provide alarm signal function for better protect the circuit, personal and property safety.

Type designation



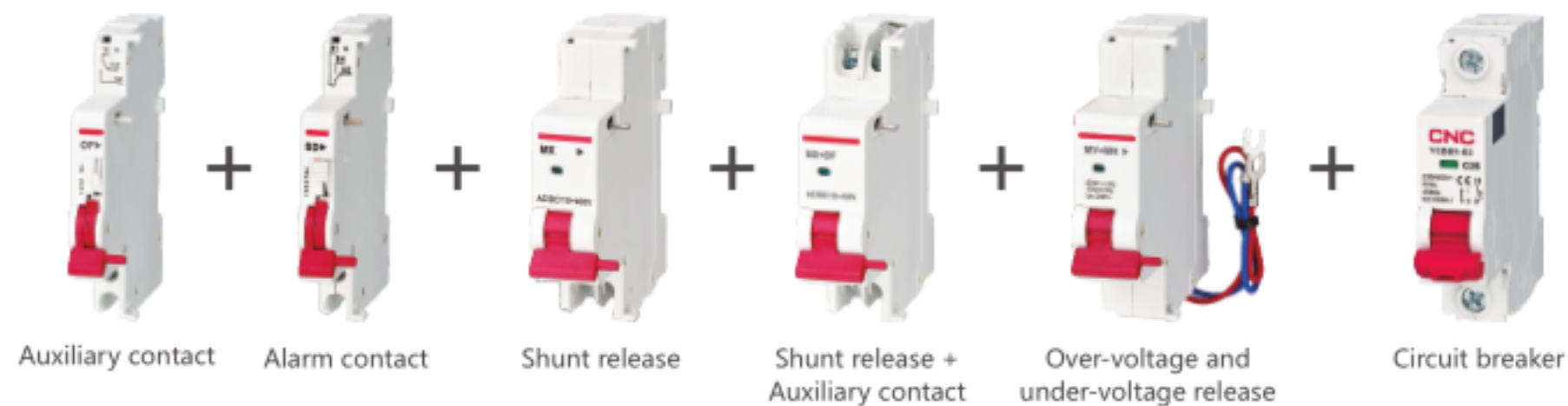
Accessory Name, Function and Standard

Accessory name	Code	Function
Auxiliary contact	OF	Provide auxiliary signal and control auxiliary circuit
Alarm contact	SD	When the circuit breaker is disconnected due to the fault, the alarm signal shall be provided.
Shunt release	MX	Over the range of 70% ~ 110% of the rated control supply voltage, the release should trip the circuit breaker to protect the circuit.
Shunt release + Auxiliary contact	MX+OF	Remote control of circuit and control the auxiliary circuit by auxiliary contact.
Over-voltage an under-voltage release	MV+MN	When the rated voltage 230V increase to 270V+/-5% or reduce to 170V+/-5%, the circuit breaker should trip for over-voltage and under-voltage protection.

Standard: IEC60947-5-1

Installation

All the electrical accessories should install in the side of circuit breaker. Details as the figure below. (Remark: each MCB max install with 3 indicate accessories(OF or SD), 2 release accessories.)



Working environment and installation

- Ambient temperature: -5°C~+40°C;
- Altitude: Below 2000m;
- Environment: The medium should be no risk of blasting and can't corrode the metal and damage insulating gas as well as conductive dust;
- Installation: 35mm standard din rail.

Main technical parameters

Auxiliary contact and Alarm contact technical parameters

Accessory name	Rated current(A)			Number of contacts	Diagram
	AC 380V	AC 220V	AC 110V		
Auxiliary contact OF	3	6	1	1NO 1NC	
Alarm contact SD	3	6	1	1NO 1NC	

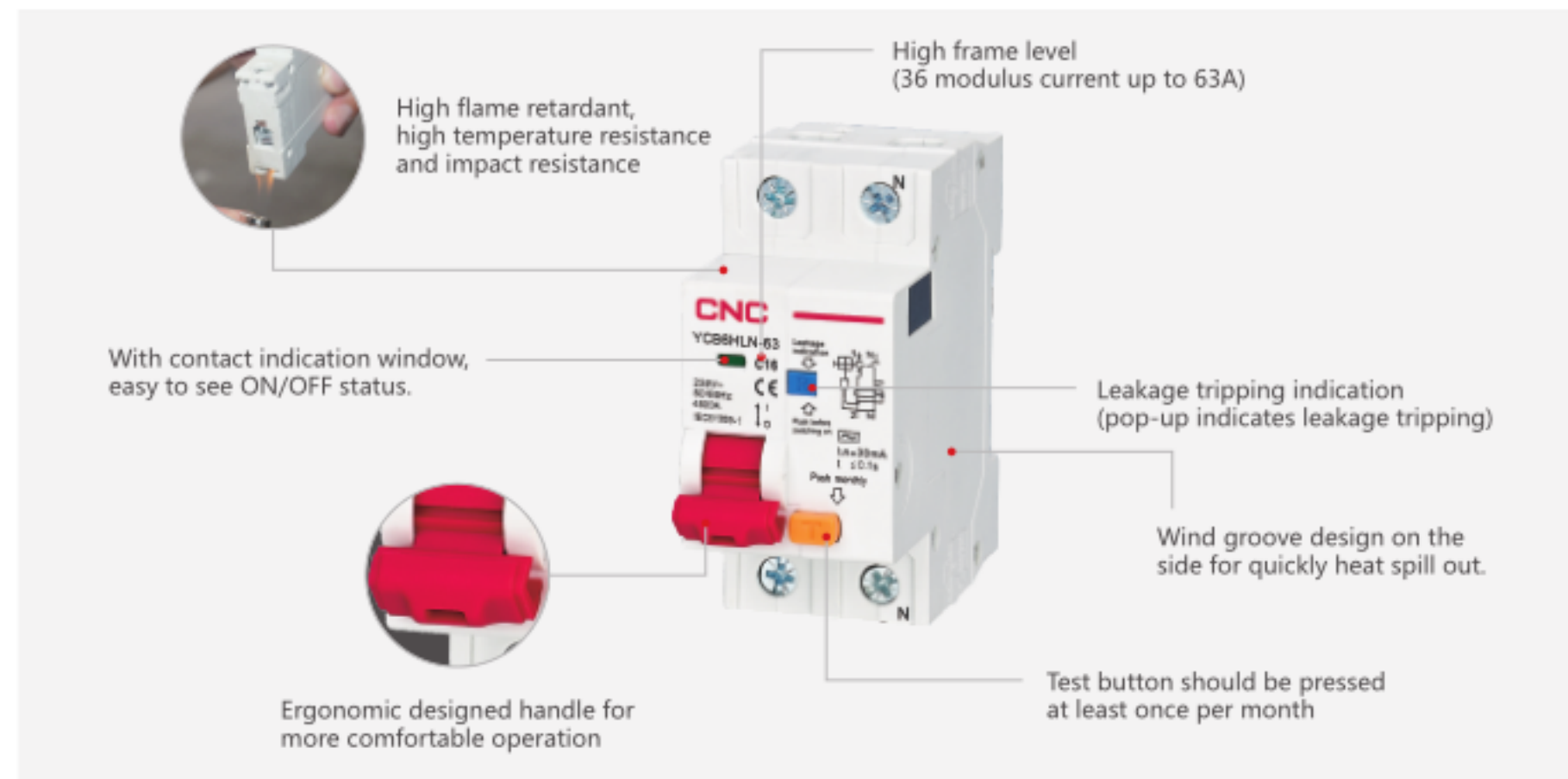
Shunt release, Shunt release + Auxiliary contact technical parameters

Accessory name	Rated insulation voltage Ui	Rated control voltage Us	Tripping power consumption (W or VA)	Operation voltage Us	Diagram
Shunt release MX	415V	AC/DC: 220~380V 110~220V	240	0.7~1.1	
		AC/DC: 24~48V	120		
Shunt release + Auxiliary contact MX+OF	415V	AC/DC: 220~380V 110~220V	240	0.7~1.1	
		AC/DC: 24~48V	120		

Under-voltage & Over-voltage Release technical parameters

Accessory name	Rated working voltage Ue	Trip voltage	Diagram
Over-voltage and under-voltage release MV+MN	AC230V	Under-voltage: 170V±5% Over-voltage: 270V±5%	
	AC380V	Under-voltage: 300V±5% Over-voltage: 460V±5%	

YCB6HLN-63 RCBO Electronic



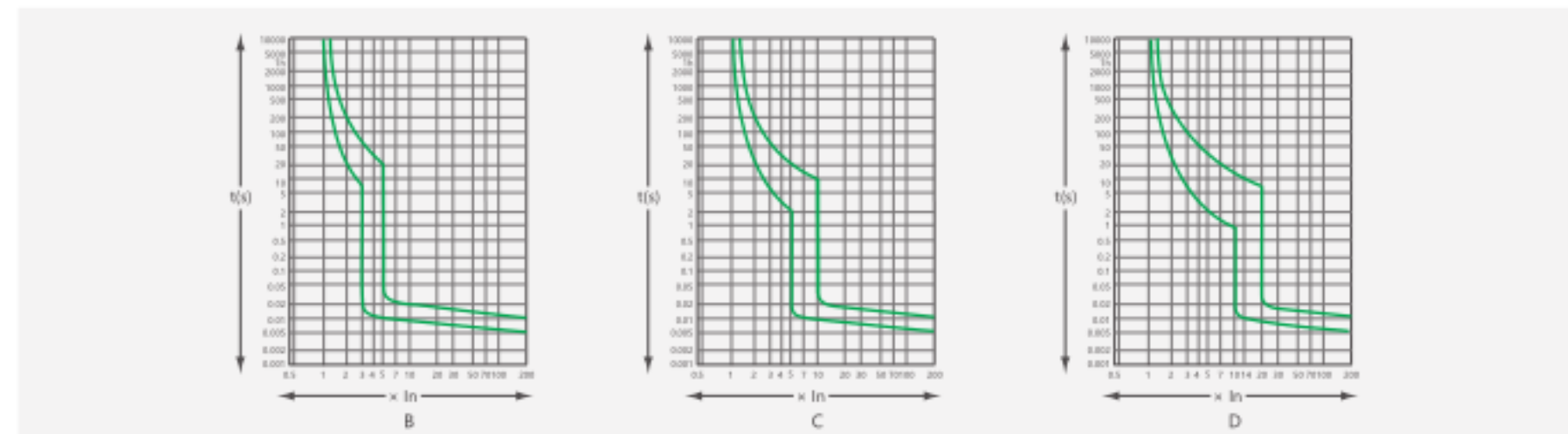
General

1. Protection against overload and short-circuit currents
2. Protection against the effects of sinusoidal alternating earth fault currents
3. Protection against indirect contacts and additional protection against direct contacts.
4. Protection against fire hazard caused by insulation faults
5. Used in residential building
6. According to the type of instantaneous release classified as follows : type B(3-5)In, type C(5-10)In, type D(10-20)In

Release

Type	Test current	Tripping time	Expected result	Type	Test current	Tripping time	Expected result
B,C,D	1.13In	t ≤ 1h(In ≤ 63A)	Not tripping	B	3In	t ≤ 0.1s	Not tripping
	1.13In	t ≤ 2h(In > 63A)		C	5In	t ≤ 0.1s	
B,C,D	1.45In	t < 1h(In ≤ 63A)	Tripping	D	10In	t ≤ 0.1s	Tripping
	1.45In	t < 2h(In > 63A)		B	5In	t < 0.1s	
B,C,D	2.55In	1s < t < 60s(In ≤ 32A)	Tripping	C	10In	t < 0.1s	Tripping
	2.55In	1s < t < 120s(In > 32A)		D	20In	t < 0.1s	

Curve

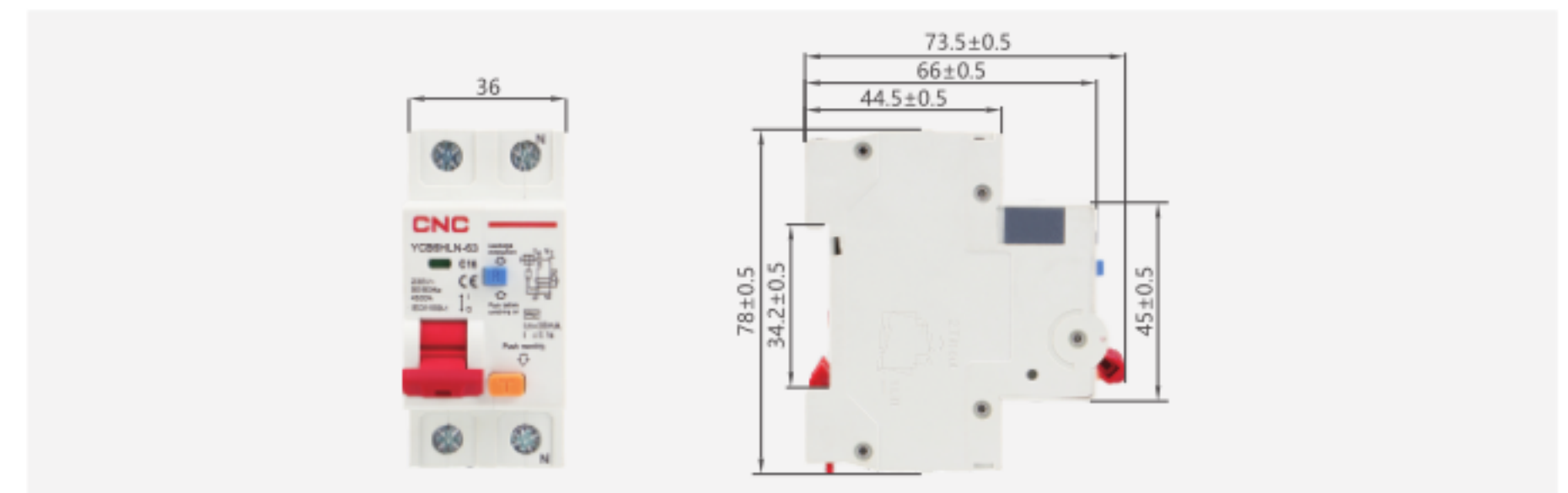


YCB6HLN-63 RCBO Electronic

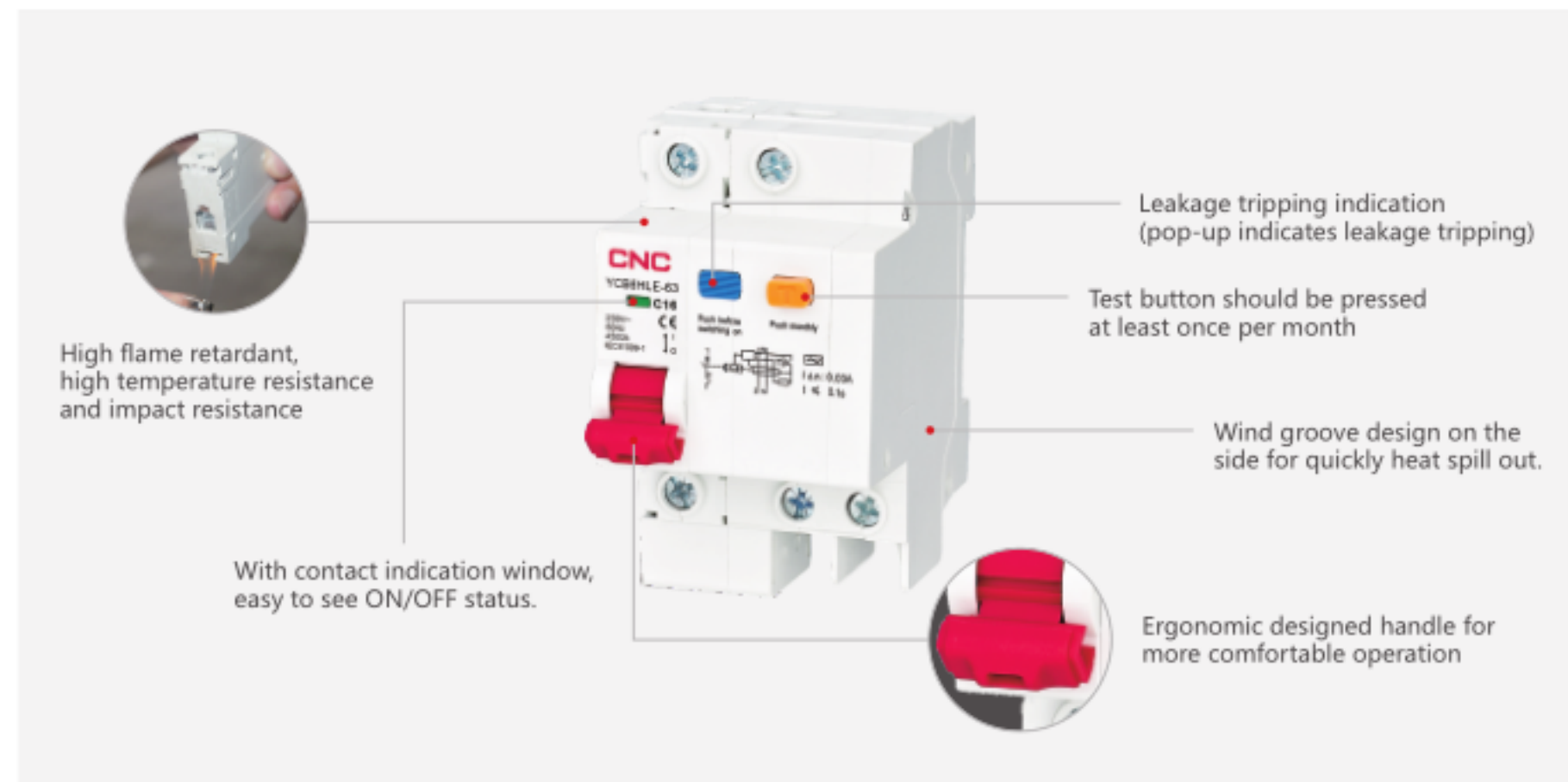
Specifications

Type	Standard		IEC/EN 61009-1
Electrical features	Poles	P	1P+N
	Type(wave form of the earth leakage sensed)		AC
	Thermo-magnetic release characteristic		B, C, D
	Rated current In	A	6, 10, 16, 20, 25, 32, 40, 50, 63
	Rated voltage Ue	V	230
	Rated sensitivity IΔn	A	0.03, 0.05, 0.1
	Rated residual making and breaking capacity IΔm	A	500(In ≤ 40A) 630(In > 40A)
	Rated short-circuit capacity Icn	A	4500
	Break time under IΔn	s	≤ 0.1
	Rated frequency	Hz	50/60
	Rated impulse withstand voltage(1.2/50)Uimp	V	4000
	Dielectric test voltage at ind.Freq.for 1min	kV	2
Insulation voltage Ui	V	500	
Pollution degree		2	
Mechanical features	Electrical life	t	4000
	Mechanical life	t	10000
	Contact position indicator		Yes
	Protection degree		IP20
	Ambient temperature(with daily average ≤ 35°C)	°C	-5 ~ +40
Storage temperature	°C	-25 ~ +70	
Installation	Terminal connection type		Cable/Pin-type busbar
	Terminal size top/bottom for cable	mm ²	25
		AWG	18-3
	Terminal size top/bottom for busbar	mm ²	25
		AWG	18-3
	Tightening torque	N*m	2
		ln-lbs	18
Mounting		On DIN rail EN60715(35mm)by means of fast clip device	
Connection		From top	

Overall and mounting dimensions(mm)



YCB6HLE-63 RCBO Electronic



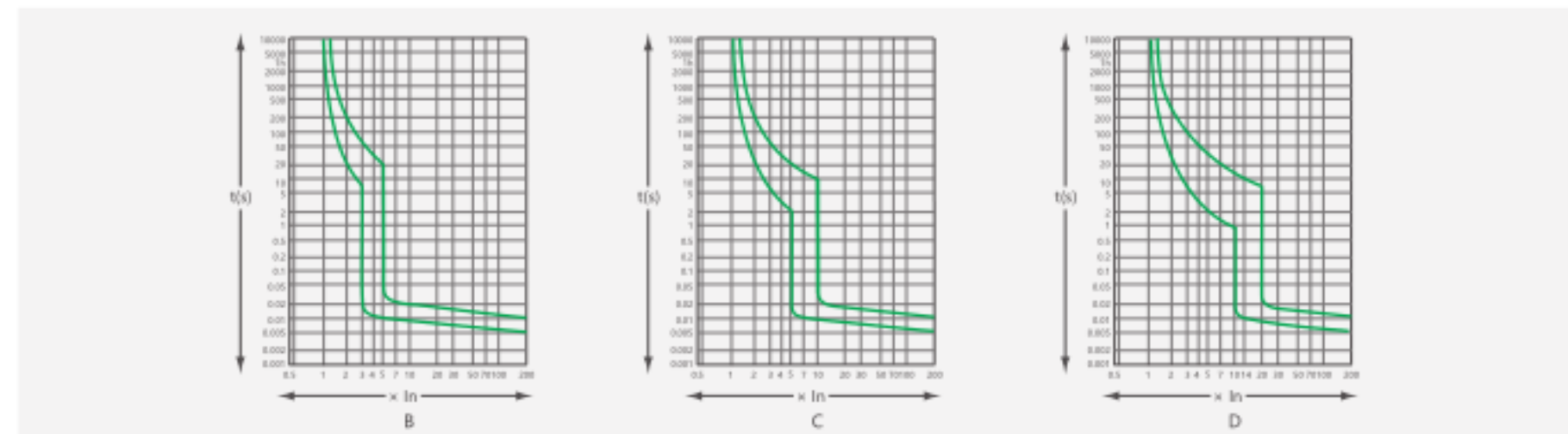
General

1. Protection against overload and short-circuit currents
2. Protection against the effects of sinusoidal alternating earth fault currents
3. Protection against indirect contacts and additional protection against direct contacts.
4. Protection against fire hazard caused by insulation faults
5. Used in residential building
6. According to the type of instantaneous release classified as follows : type B(3-5)In, type C(5-10)In, type D(10-20)In

Release

Type	Test current	Tripping time	Expected result	Type	Test current	Tripping time	Expected result
B,C,D	1.13In	t ≤ 1h (In ≤ 63A)	Not tripping	B	3In	t ≤ 0.1s	Not tripping
	1.13In	t ≤ 2h (In > 63A)		C	5In	t ≤ 0.1s	
B,C,D	1.45In	t < 1h (In ≤ 63A)	Tripping	D	10In	t ≤ 0.1s	Tripping
	1.45In	t < 2h (In > 63A)		B	5In	t < 0.1s	
B,C,D	2.55In	1s < t < 60s (In ≤ 32A)	Tripping	C	10In	t < 0.1s	Tripping
	2.55In	1s < t < 120s (In > 32A)		D	20In	t < 0.1s	

Curve

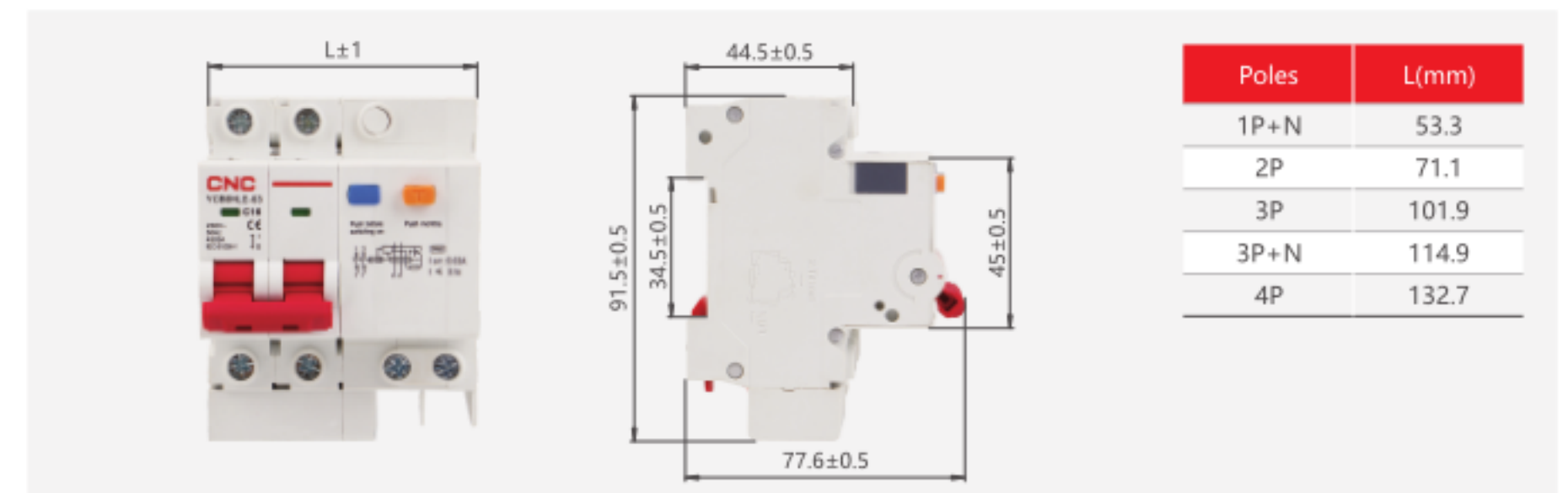


YCB6HLE-63 RCBO Electronic

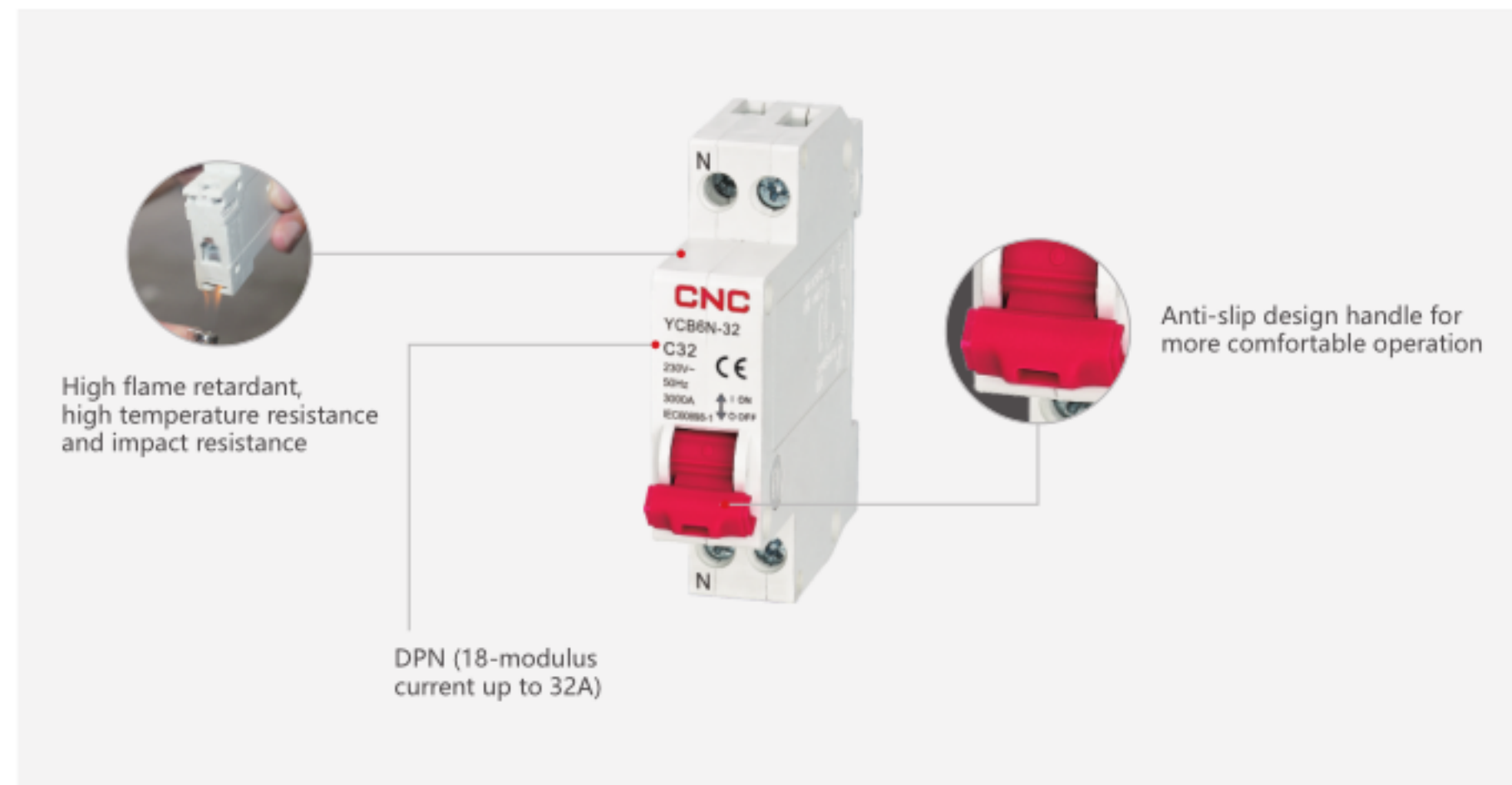
Specifications

Type	Standard		IEC/EN 61009-1
Electrical features	Poles	P	1P+N, 2, 3, 3P+N, 4
	Type(wave form of the earth leakage sensed)		AC
	Thermo-magnetic release characteristic		B, C, D
	Rated current In	A	6, 10, 16, 20, 25, 32, 40, 50, 63
	Rated voltage Ue	V	230V AC(1P+N, 2P) 400V AC(3P, 3P+N, 4P)
	Rated sensitivity IΔn	A	0.03, 0.05, 0.1, 0.3
	Rated residual making and breaking capacity IΔm	A	500(In ≤ 40A) 630(In > 40A)
	Rated short-circuit capacity Icn	A	4500
	Break time under IΔn	s	≤ 0.1
	Rated frequency	Hz	50/60
	Rated impulse withstand voltage(1.2/50)Uimp	V	4000
	Dielectric test voltage at ind.Freq.for 1min	kV	2
	Insulation voltage Ui	V	500
	Pollution degree		2
Mechanical features	Electrical life	t	4000
	Mechanical life	t	10000
	Contact position indicator		Yes
	Protection degree		IP20
	Ambient temperature(with daily average ≤ 35°C)	°C	-5 ~ +40
Storage temperature	°C	-25 ~ +70	
Installation	Terminal connection type		Cable/Pin-type busbar
	Terminal size top/bottom for cable	mm ²	25
		AWG	18-3
	Terminal size top/bottom for busbar	mm ²	25
		AWG	18-3
	Tightening torque	N*m	2
		ln-lbs	18
Mounting		On DIN rail EN60715(35mm)by means of fast clip device	
Connection		From top	

Overall and mounting dimensions(mm)



Modular DIN Rail
YCB6N-32 MCB DPN



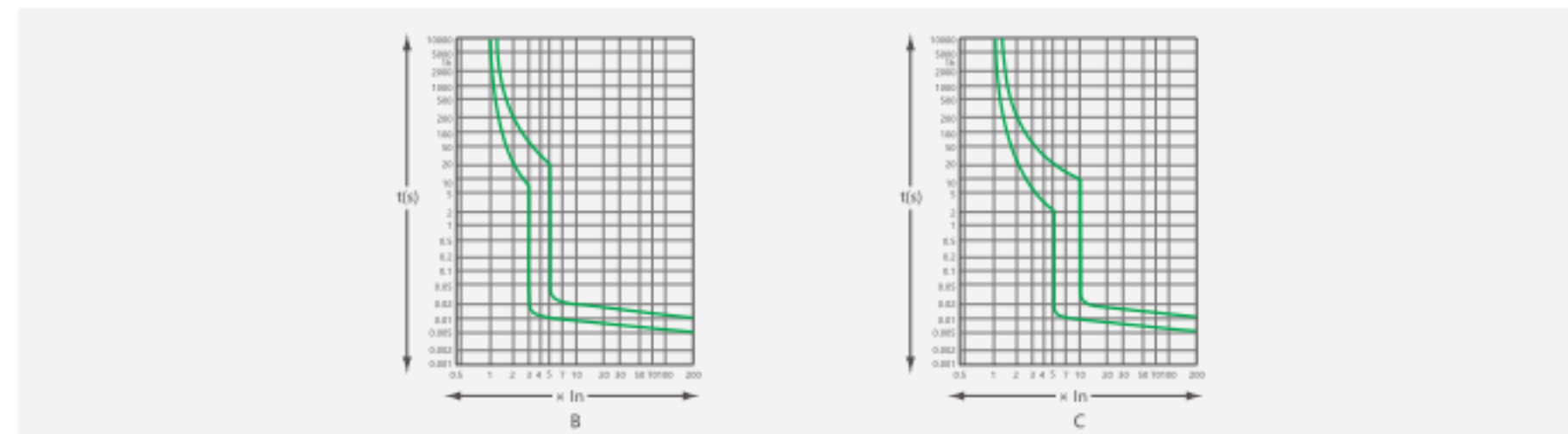
General

1. Overload protection
2. Short circuit protection
3. Controlling
4. Used in residential building, non-residential building, energy source industry and infrastructure.
5. According to the type of instantaneous release classified as follows : type B(3-5)I_n, type C(5-10)I_n

Release

Type	Test current	Tripping time	Expected result	Type	Test current	Tripping time	Expected result
B,C	1.13I _n	t ≤ 1h (I _n ≤ 63A)	Not tripping	B	3I _n	t ≤ 0.1s	Not tripping
	1.13I _n	t ≤ 2h (I _n > 63A)					
B,C	1.45I _n	t < 1h (I _n ≤ 63A)	Tripping	C	5I _n	t ≤ 0.1s	Tripping
	1.45I _n	t < 2h (I _n > 63A)					
B,C	2.55I _n	1s < t < 60s (I _n ≤ 32A)	Tripping	B	5I _n	t < 0.1s	Tripping
	2.55I _n	1s < t < 120s (I _n > 32A)					
				C	10I _n	t < 0.1s	

Curve

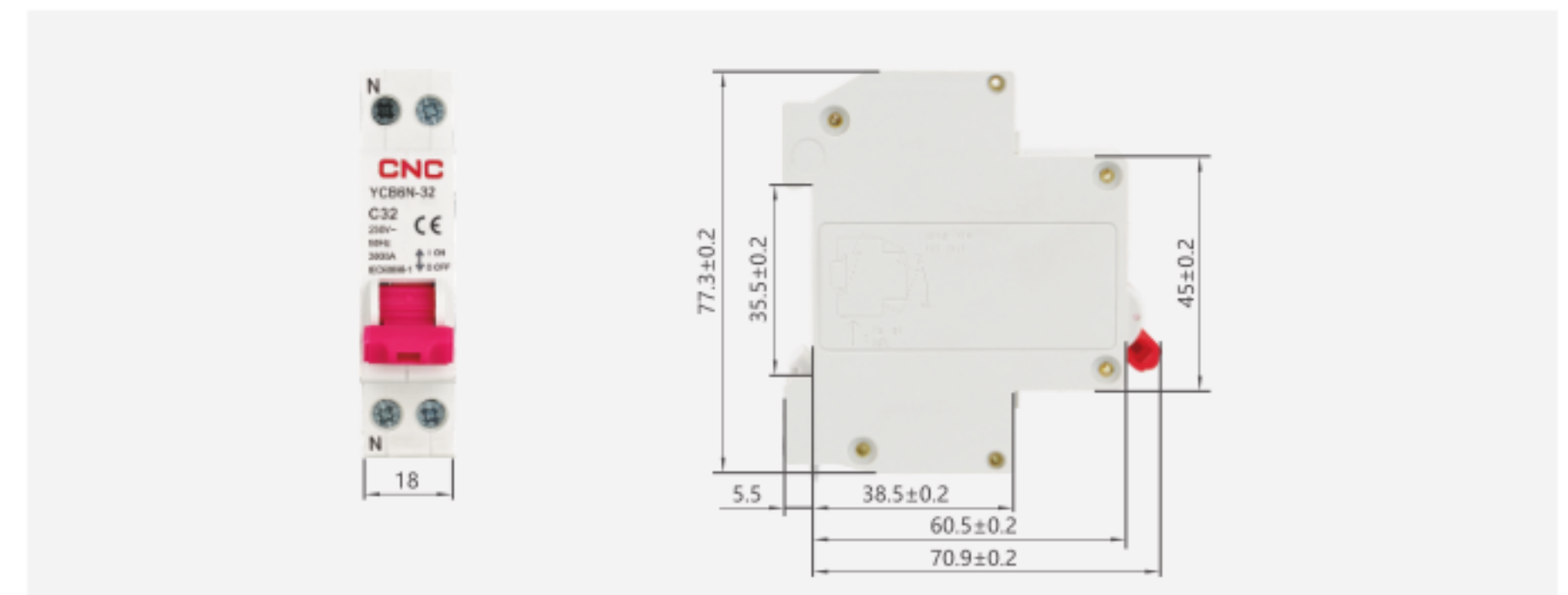


Modular DIN Rail
YCB6N-32 MCB DPN

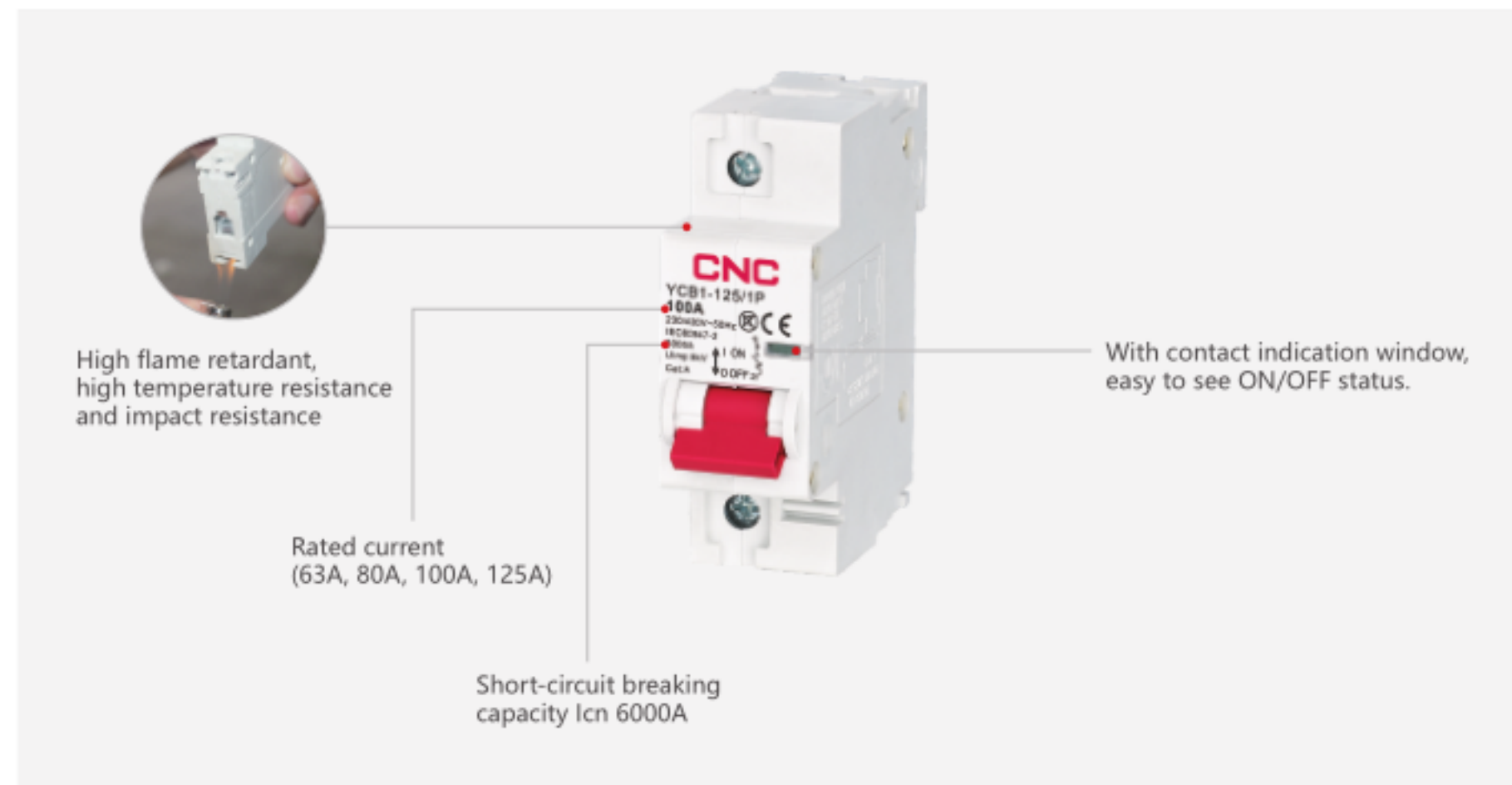
Specifications

Type	Standard		IEC/EN 60898-1	
Electrical features	Rated current I _n	A	6, 10, 16, 20, 25, 32	
	Poles	P	1P+N	
	Rated voltage U _e	V	230	
	Insulation voltage U _i	V	500	
	Rated frequency	Hz	50/60	
	Rated breaking capacity	A	3000	
	Rated impulse withstand voltage(1.2/50)U _{imp}	V	4000	
	Dielectric test voltage at ind. Freq. for 1min	kV	2	
	Pollution degree		2	
	Thermo-magnetic release characteristic		B, C	
Mechanical features	Electrical life	t	4000	
	Mechanical life	t	10000	
	Protection degree		IP20	
	Reference temperature for setting of thermal element	°C	30	
	Ambient temperature (with daily average ≤ 35°C)	°C	-5 ~ +40	
	Storage temperature	°C	-25 ~ +70	
	Terminal connection type		Cable/Pin-type busbar	
	Terminal size top / bottom for cable	mm ²		16
		AWG		18-5
	Terminal size top / bottom for busbar	mm ²		10
AWG			18-5	
Tightening torque	N*m		2	
	In-lbs		18	
Mounting			On DIN rail EN 60715(35mm)by means of fast clip device	
Connection			From top and bottom	

Overall and mounting dimensions(mm)



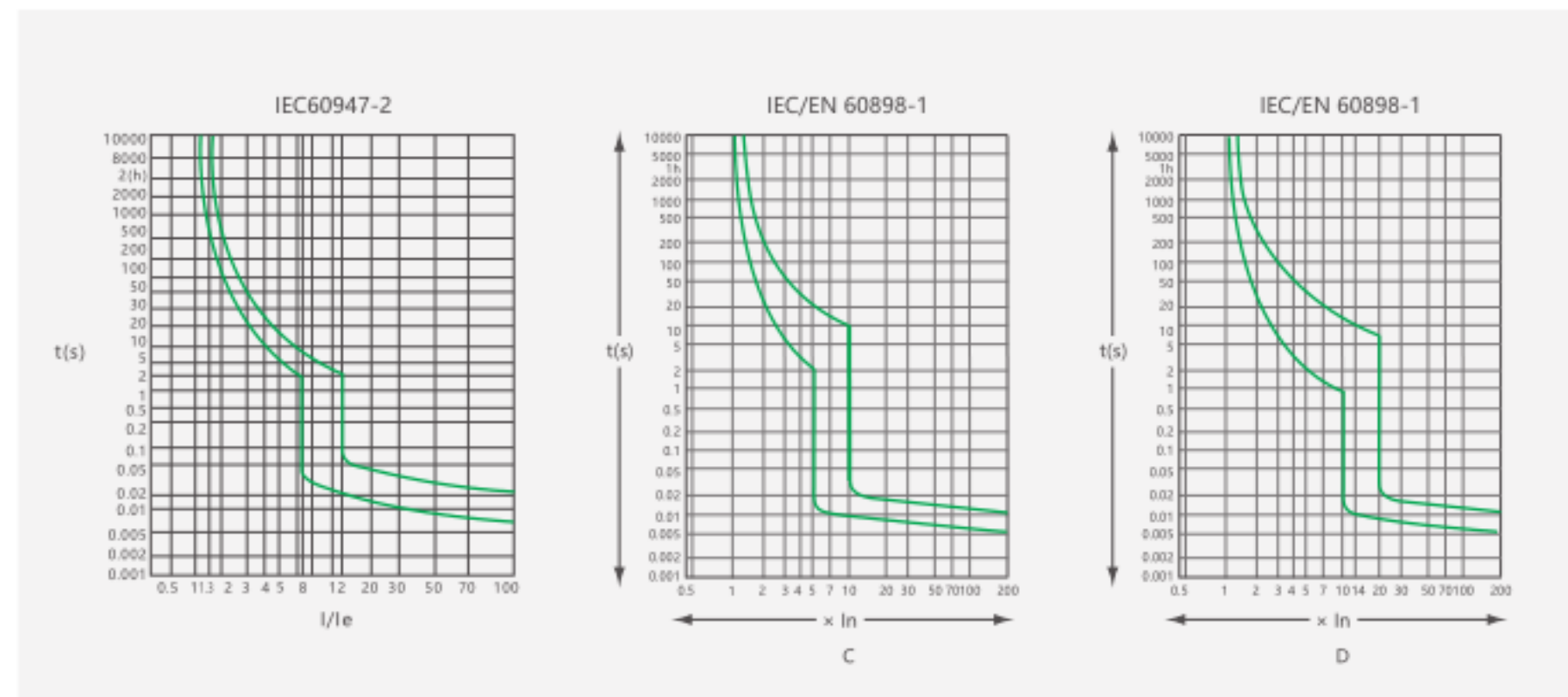
Modular DIN Rail
YCB1-125 MCB



General

1. Overload protection
2. Short circuit protection
3. Controlling
4. Used in residential building, non-residential building, energy source industry and infrastructure.

Curve

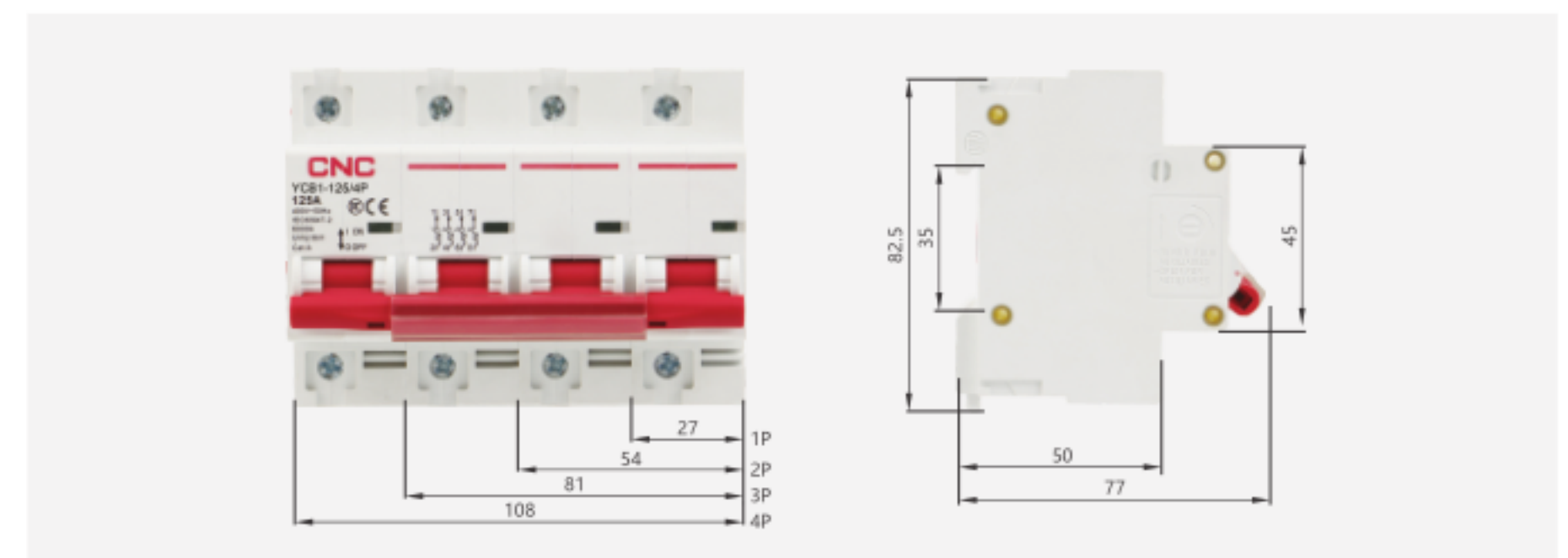


Modular DIN Rail
YCB1-125 MCB

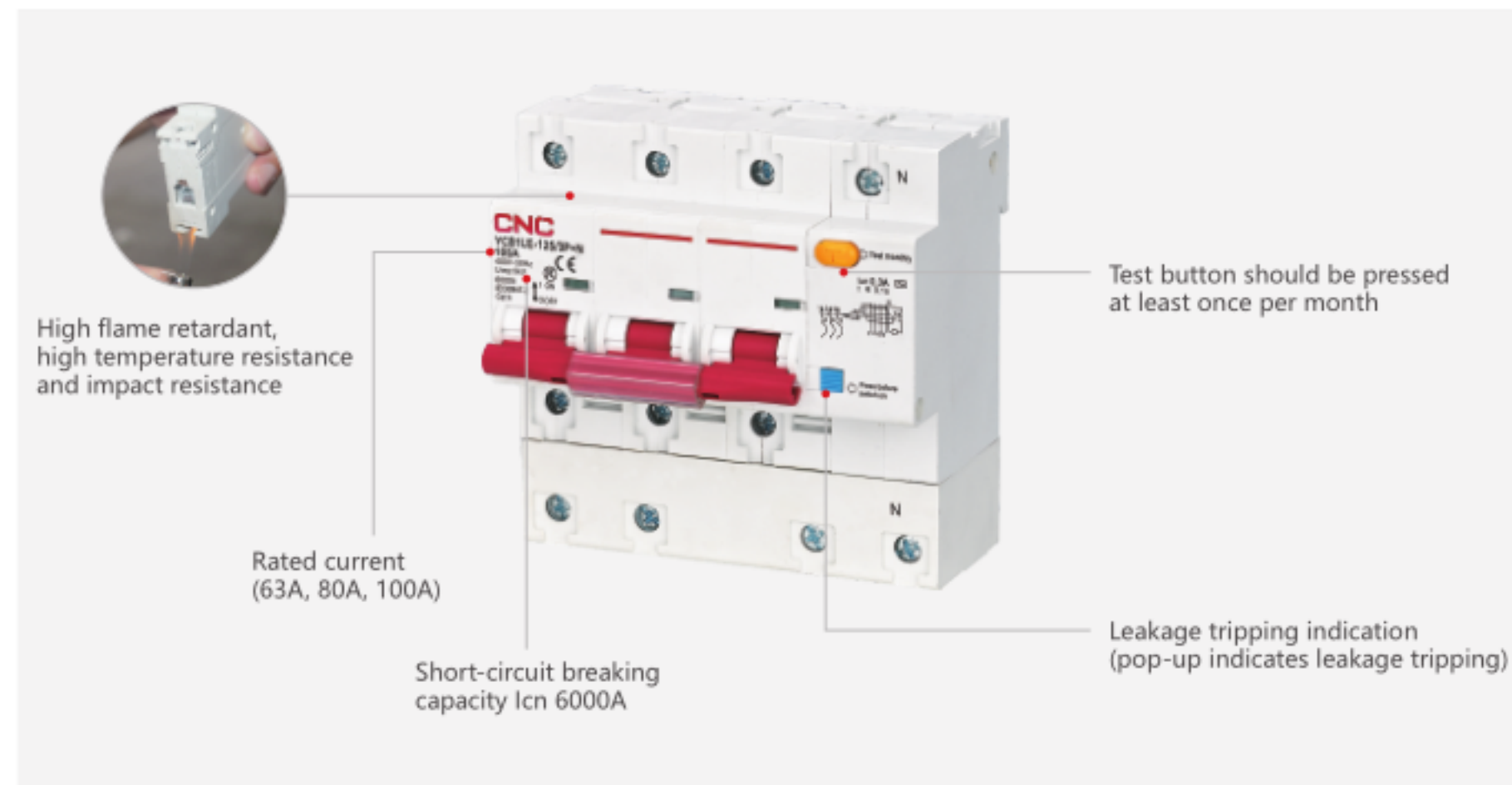
Specifications

Type	Standard		IEC/EN 60947-2	IEC/EN 60898-1
Electrical features	Rated current In	A	63, 80, 100, 125	
	Poles	P	1, 2, 3, 4	
	Rated voltage Ue	V	230/400	
	Insulation voltage Ui	V	500	
	Rated frequency	Hz	50/60	
	Rated breaking capacity	A	6000	
	Rated impulse withstand voltage(1.2/50) Uimp	V	6000	
	Dielectric test voltage at ind. Freq. for 1min	kV	2.5	
	Pollution degree		3	
	Thermo-magnetic release characteristic		8-12In	B, C,D
Mechanical features	Electrical life	t	1500	
	Mechanical life	t	10000	
	Contact position indicator		Yes	
	Protection degree		IP20	
	Reference temperature for setting of thermal element		30	
	Ambient temperature (with daily average ≤35°C)	°C	-5~+40(Special application please refer to temperature compensation correction)	
	Storage temperature	°C	-25~+70	
	Terminal connection type	°C	Cable/Pin-type busbar	
Installation	Terminal size top / bottom for cable	mm ²	50	
		AWG	18-1/0	
	Terminal size top / bottom for busbar	mm ²	50	
		AWG	18-1/0	
	Tightening torque	N*m	3.5	
		In-lbs	31	
Mounting		On DIN rail EN60715(35mm)by means of fast clip device		
Connection		From top and bottom		

Overall and mounting dimensions(mm)



YCB1LE-125 RCBO Electronic



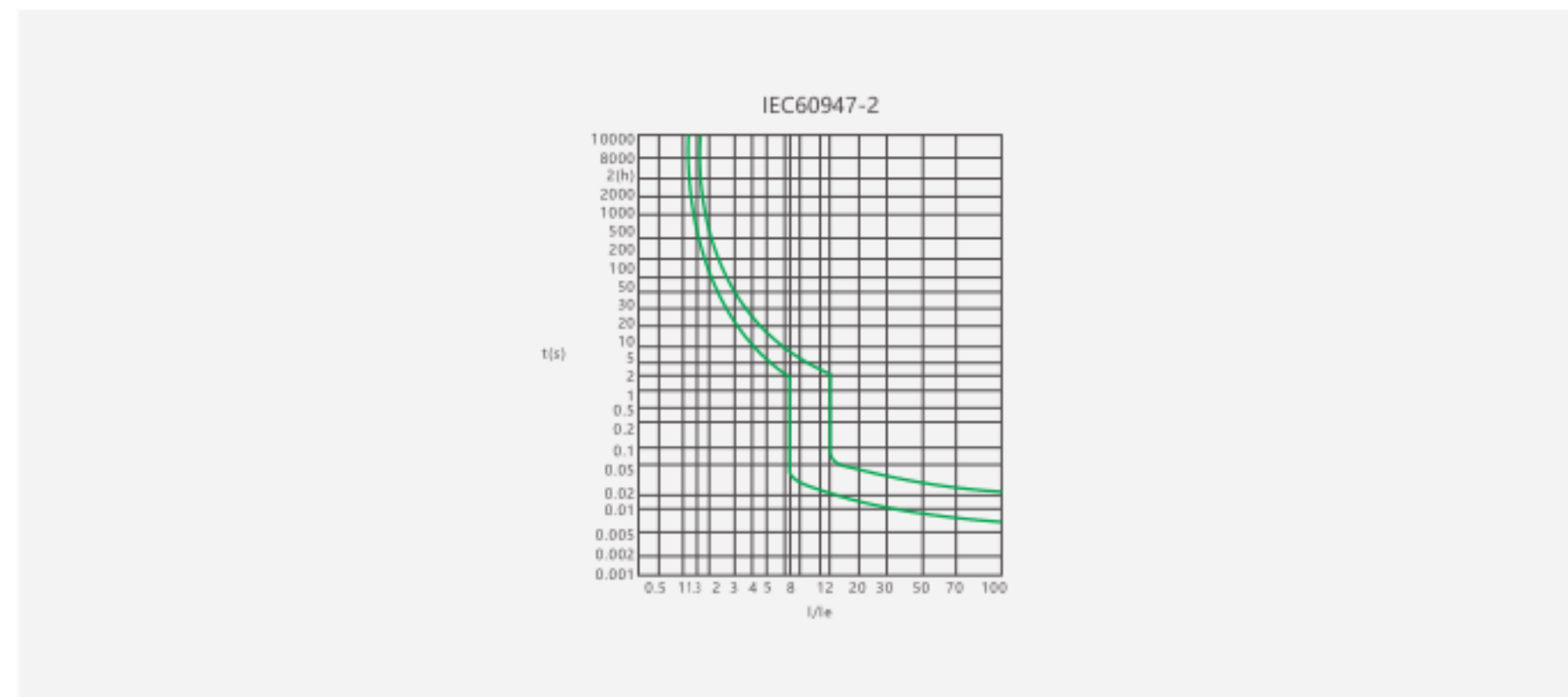
Function

1. Personnel and fire protection
2. Cable and line protection against overload and short-circuits.

Selection

1. $I\Delta n \leq 30 \text{ mA}$: additional protection in the case of direct contact.
2. $I\Delta n \leq 300 \text{ mA}$: preventative fire protection in the case of ground fault currents.
3. AC class – Tripping is ensured for sinusoidal, alternating currents, whether they be quickly applied or slowly increase.

Curve

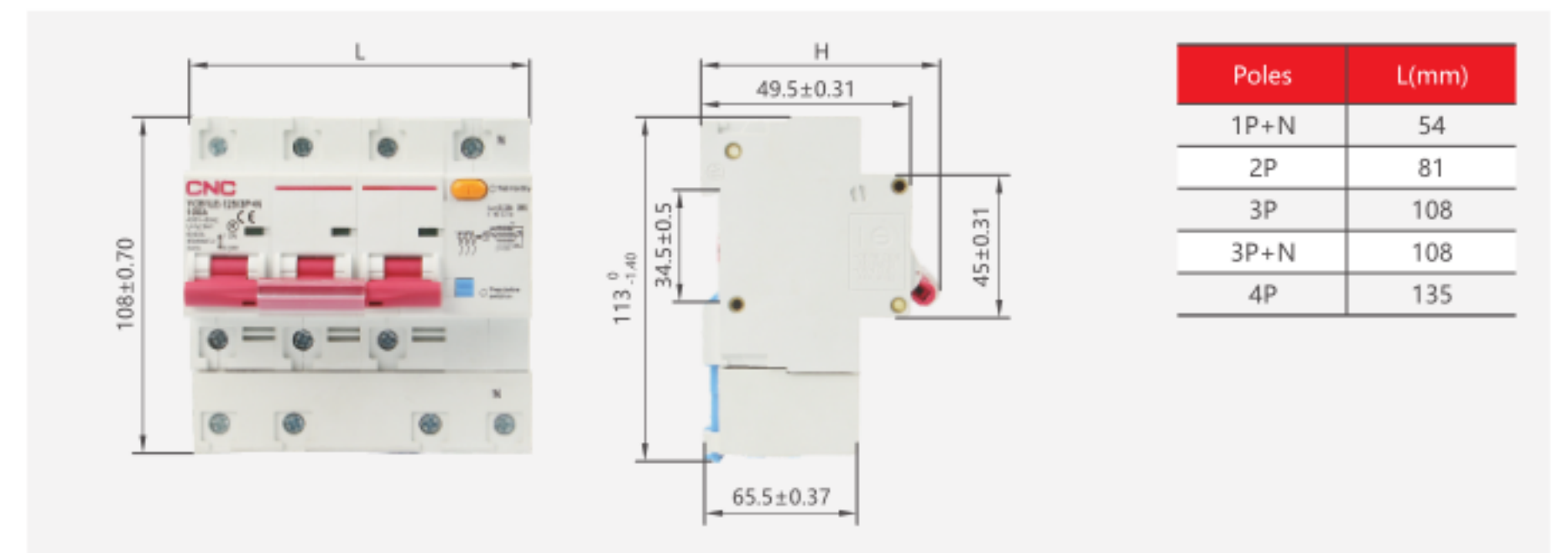


YCB1LE-125 RCBO Electronic

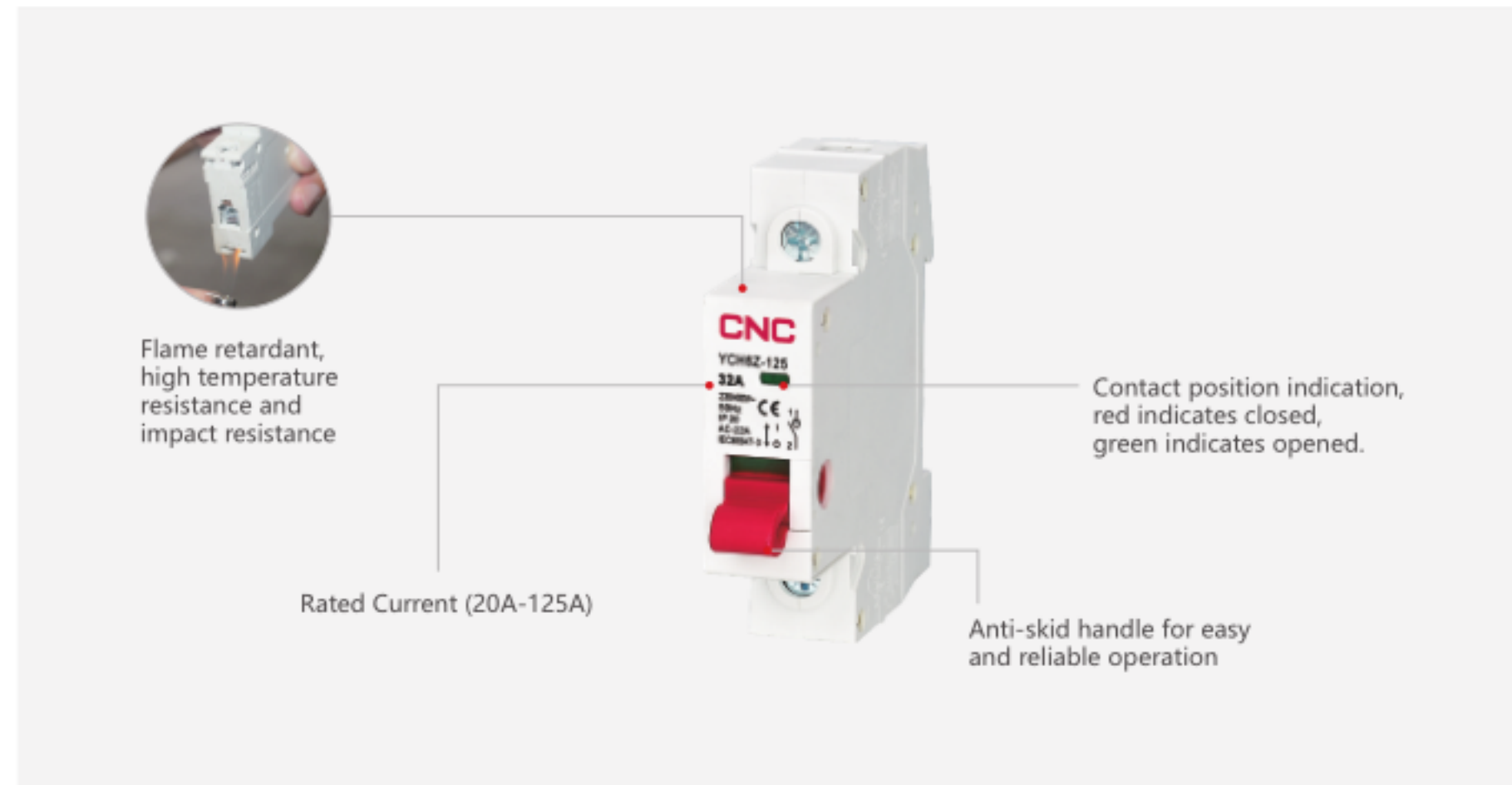
Specifications

Type	Standard	IEC/EN 60947-2	
Electrical features	Type (wave form of the earth leakage sensed)	AC	
	Thermo-magnetic release characteristic	8-12In	
	Rated current In	A 63, 80, 100	
	Poles	1P+N, 2P, 3P, 3P+N, 4P	
	Rated voltage Ue	V 230/400	
	Rated sensitivity IΔn	A 0.03, 0.1, 0.3	
	Rated short-circuit capacity Icn	A 6000	
	Break time under IΔn	s ≤0.1	
	Rated impulse withstand voltage (1.2/50)Uimp	V 4000	
	Dielectric TEST voltage at ind. Freq. for 1min	kV 1.89	
Mechanical features	Insulation voltage Ui	V 500	
	Pollution degree	3	
	Electrical life	1500	
	Mechanical life	8500	
	Contact position indicator	Yes	
	Protection degree	IP20	
	Ambient temperature(with daily average ≤35°C)	°C -5...+40	
	Storage temperature	°C -25...+70	
	Installation	Terminal connection type	Cable/Pin-type busbar
		Terminal size top/bottom for cable	mm ²
AWG			6-1/0
Terminal size top/bottom for busbar		mm ²	16~35
		AWG	6-2
Tightening torque		N-m	3.5
	In-lbs.	31	
Mounting Connection		On DIN rail EN 60715 (35mm) by means of fast clip device From top	

Overall and mounting dimensions(mm)



YCH6Z-125 Isolating Switch



Products Overview

YCH6Z-125 series isolating switch is suitable in the resistive circuit of AC 50/60HZ, rated voltage 230/400V, rated current up to 125A. It's used primarily for circuit's turning on or off in non-load ed situation. And it functions on connection and isolation between lines and power, especially suitable to isolate power effectively and prevent circuit breaker from closing accidentally when maintain the circuit in order to ensure the safe operation of maintainer.

Product standard: IEC600947-3

Normal Operating Conditions

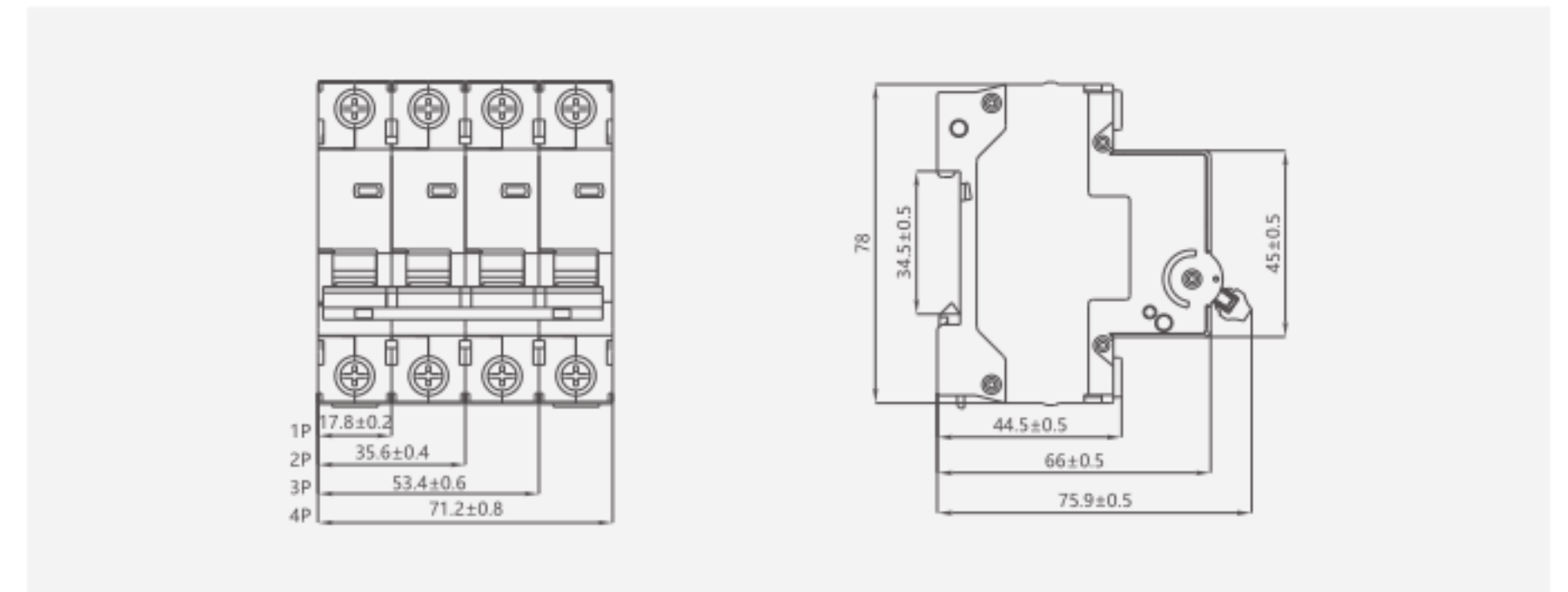
1. Ambient Temperature: -25°C~+60°C
2. Altitude: Not higher than 2000m
3. Use Category: AC-22A
4. Installation Method: Embedded vertical standard rail mounting
5. Wiring Method: Clamp connection wire with screw, tightening torque 2.5N.m

YCH6Z-125 Isolating Switch

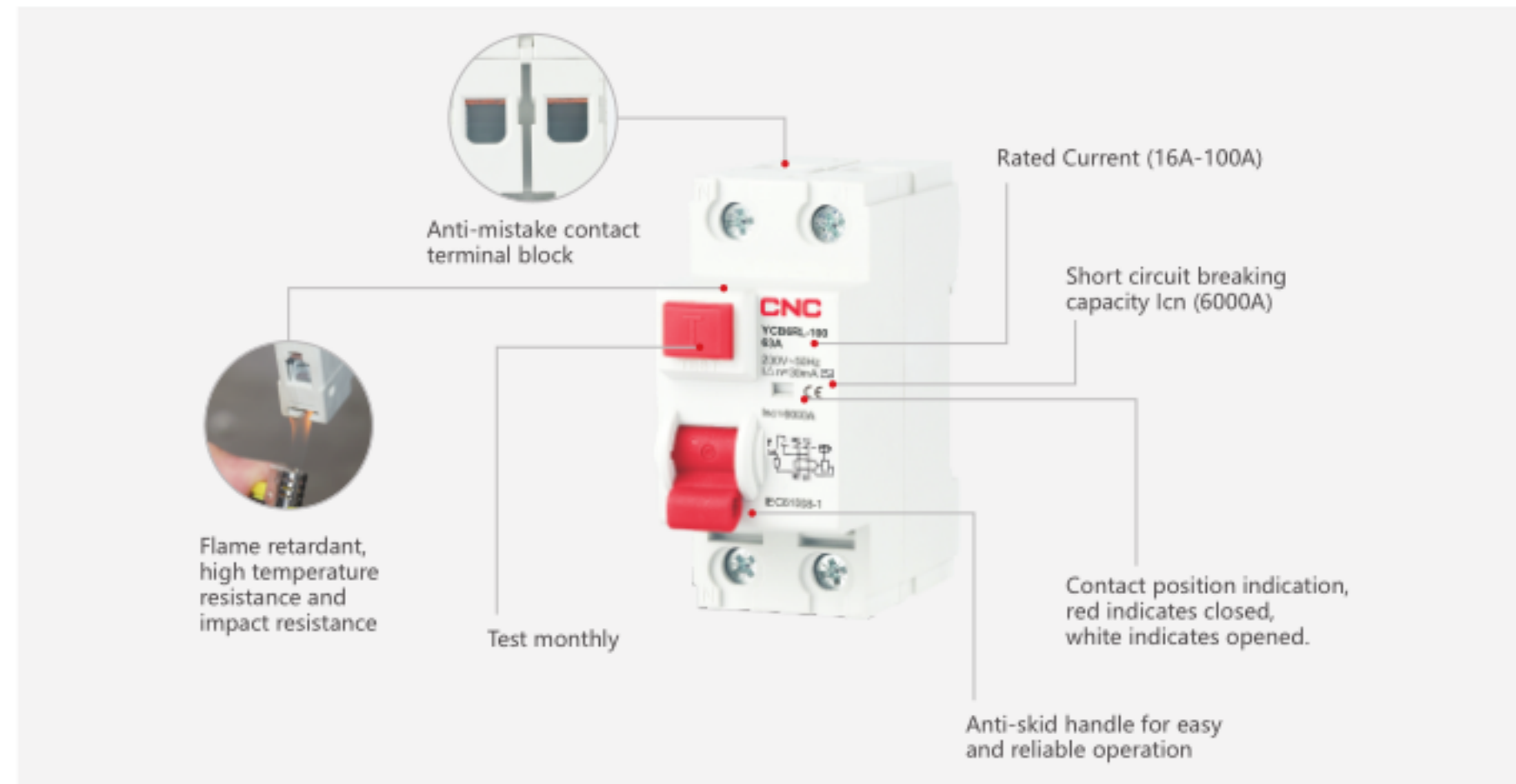
Specifications

Type	Standard		IEC/EN 60947-3
Electrical features	Poles	P	1, 2, 3, 4
	Rated voltage Ue	V	230/400
	Rated current Ie	A	20,32,40,63, 80,100,125
	Rated frequency	Hz	50/60
	Rated impulse withstand voltage(1.2/50)Uimp	V	4000
	Rated short-time withstand current Icw		12Ie, 1s
	Rated making and breaking capacity		3Ie, 1.05Ue, cosΦ=0.65
	Rated short circuit making capacity		20Ie, t=0.1s
	Dielectric test voltage at ind.Freq.for 1min	kV	2.5
	Insulation voltage Ui	V	500
Mechanical features	Pollution degree		2
	Electrical life	t	1500
	Mechanical life	t	8500
	Protection degree		IP20
Installation	Ambient temperature(with daily average≤35°C)	°C	-5~+40
		Terminal size top/bottom for cable and pin-type busbar	mm ²
		AWG	18-1/0

Overall and mounting dimensions(mm)



YCB6RL-100 RCCB Electromagnetic



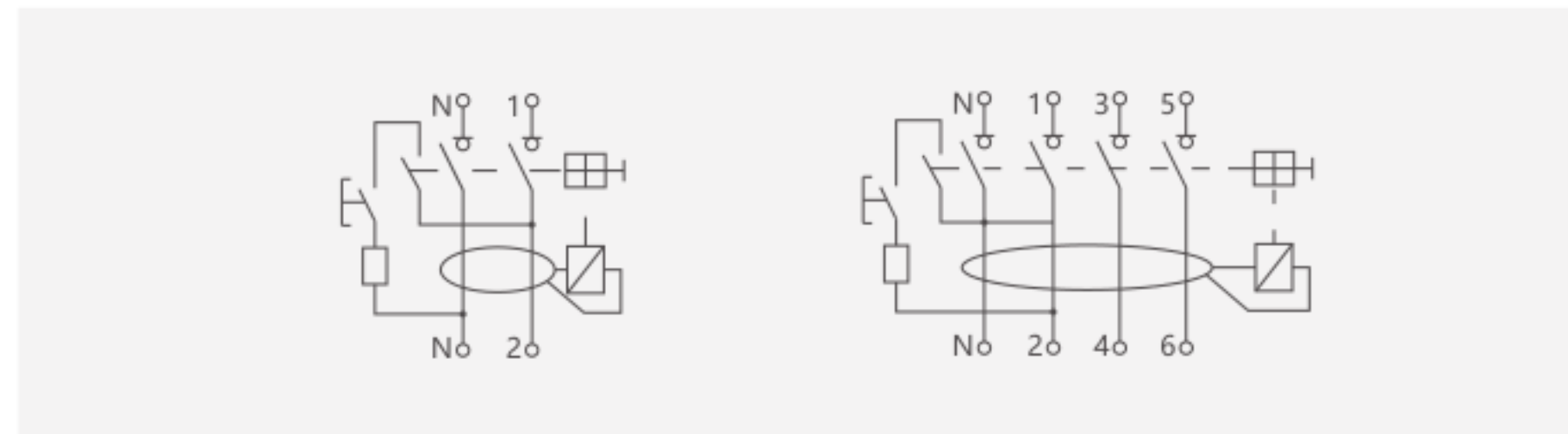
General

1. Protection against the effects of sinusoidal alternating earth fault currents
2. Protection against indirect contacts and additional protection against direct contacts
3. Protection against fire hazard caused by insulation faults
4. Controlling and Switching
5. Used in residential building, non-residential building, energy sources, industry and infrastructure

Release

Type		Tripping sensitivity data	
AC	For residual sinusoidal alternating currents	30mA	For personnel, material and fire protection, as well as for protection against direct contact
A	For residual sinusoidal alternating currents and residual pulsating direct currents	100mA	For providing protection against indirect contacts
S	For selectivity, with time delay	300mA	For providing fire protection in case of insulation faults

Wiring Diagram

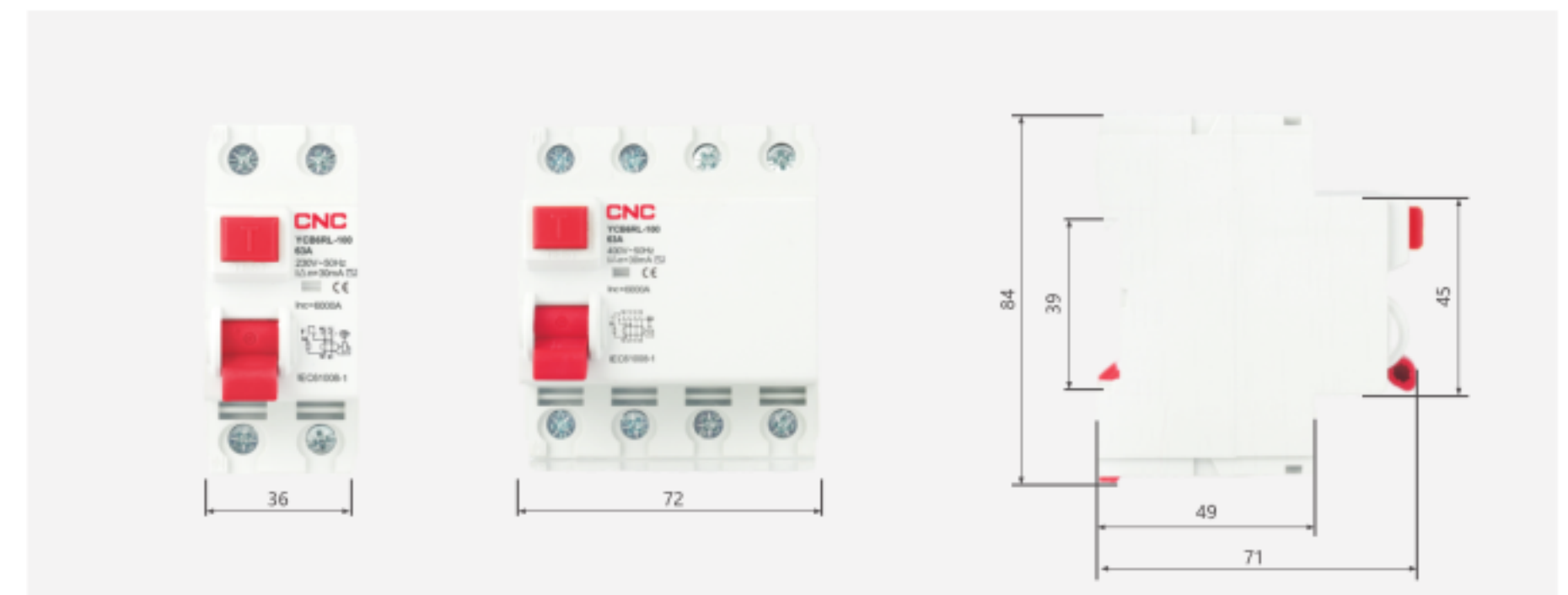


YCB6RL-100 RCCB Electromagnetic

Specifications

Type	Standard	IEC/EN 61008-1	
Electrical features	Leakage type	Electromagnetic type	
	Rated current In	A 16, 25, 32, 40, 50, 63, 80, 100	
	Type (wave form of the earth leakage sensed)	A, AC	
	Poles	2, 4	
	Rated voltage Ue	V 230/400	
	Insulation voltage Ui	V 500	
	Rated frequency	Hz 50/60	
	Rated breaking capacity Inc=IΔc	A 6000A	
	Rated impulse withstand voltage (1.2/50) Uimp	V 6000	
	Dielectric test voltage at ind. Freq. for 1min	kV 2.5	
	Rated sensitivity IΔn	A 0.03, 0.1, 0.3	
	Rated residual making and breaking capacity IΔm	A 500(In≤40A); 630(In=50A/63A); 1000(In=80A/100A)	
	Pollution degree	2	
Mechanical features	Electrical life	t 4000	
	Mechanical life	t 8000	
	Protection degree	IP20	
	Storage temperature	°C -25~+70	
	Ambient temperature (with daily average ≤35°C)	°C -5~+40	
Installation	Terminal connection type	Cable/Pin-type busbar	
	Terminal size top / bottom for cable	mm ²	25/35
		AWG	18-3/18-2
	Terminal size top / bottom for busbar	mm ²	10/16
		AWG	18-8/18-5
	Tightening torque	N*m 2.5	
		In-lbs 22	
Mounting	On DIN rail EN 60715(35mm)by means of fast clip device		
Connection	From top and bottom		

Overall and mounting dimensions(mm)



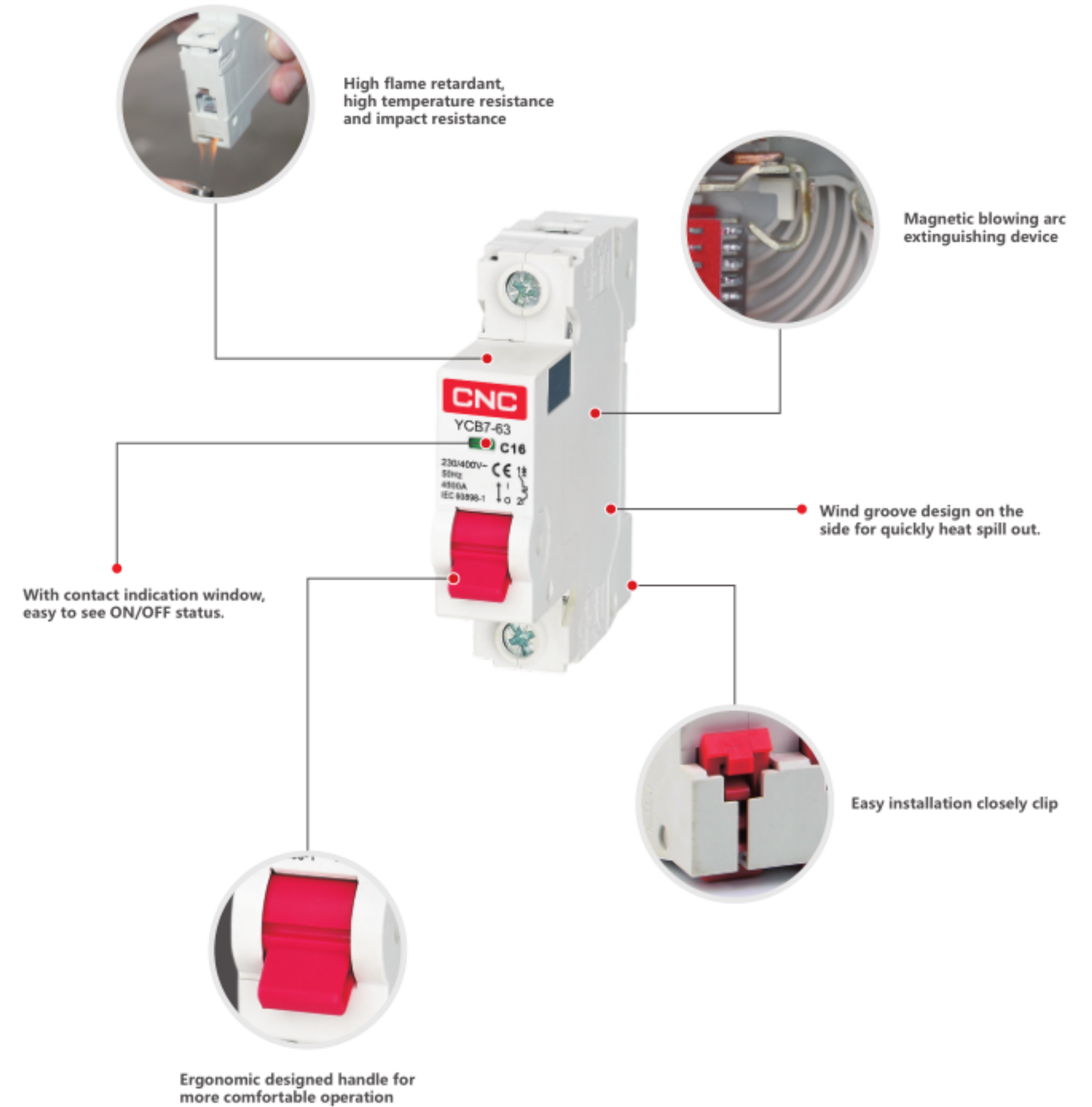
YCB7 Series Miniature Circuit Breaker

- New appearance upgrade, more consistent with industrial aesthetics;
The terminal board is made of high quality red copper material, tight buckle, firmly stuck rail;
- The side of the circuit breaker is designed with a ventilation slot. When multi-pole assembly is carried out, the temperature between poles can be dissipated through the ventilation slot ;
- YCB7LE-63Y has the functions of fire zero double on-off, leakage self-lock and leakage indicator;
- The YCB7-125 and YCB7LE-125 series release curves are available in type C ($I_i=8I_n\pm 20\%$) and type D ($I_i=12I_n\pm 20\%$).

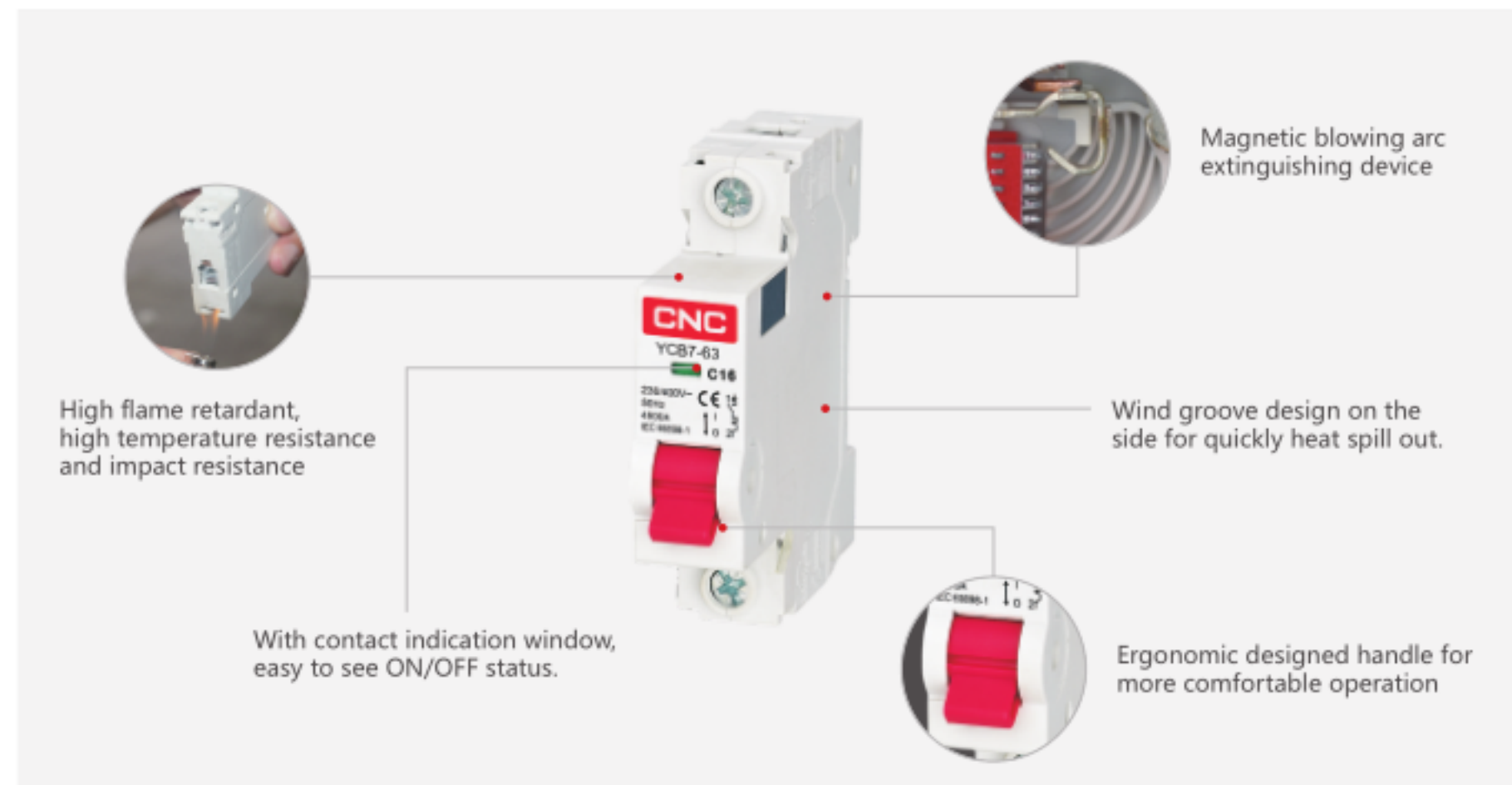


YCB7 Series MCB

Product Structure Analysis Diagram



Modular DIN Rail
YCB7-63 MCB



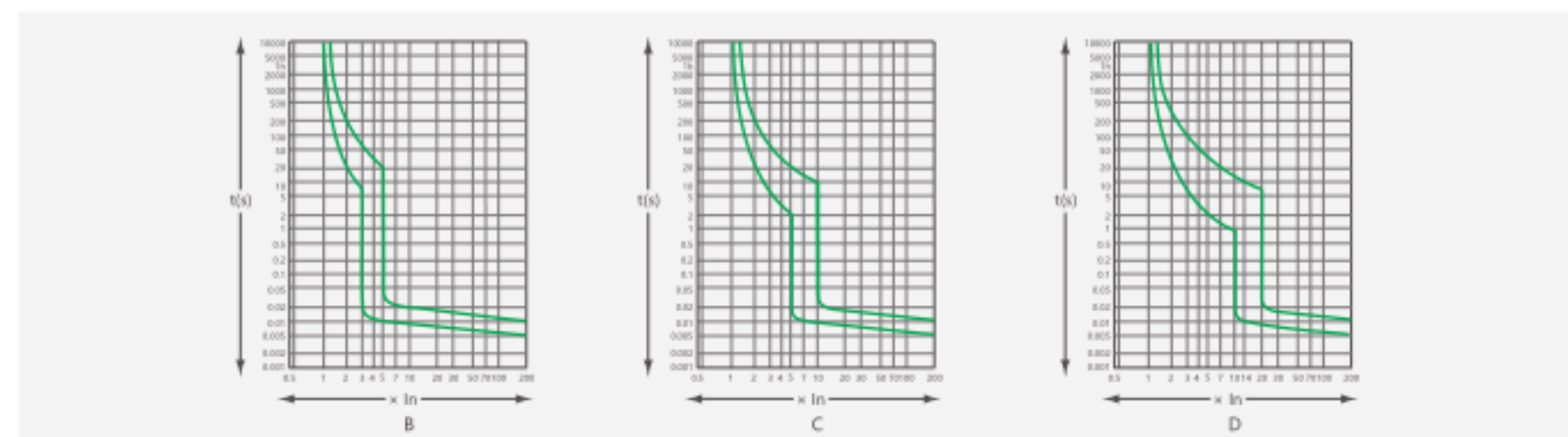
General

1. Overload protection
2. Short circuit protection
3. Controlling
4. Used in residential building, non-residential building, energy source industry and infrastructure.
5. According to the type of instantaneous release classified as follows: type B(3-5)In, type C(5-10)In, type D(10-20)In

Release

Type	Test current	Tripping time	Expected result	Type	Test current	Tripping time	Expected result
B,C,D	1.13In	t ≤ 1h(In ≤ 63A)	Not tripping	B	3In	t ≤ 0.1s	Not tripping
	1.13In	t ≤ 2h(In > 63A)		C	5In	t ≤ 0.1s	
B,C,D	1.45In	t < 1h(In ≤ 63A)	Tripping	D	10In	t ≤ 0.1s	Tripping
	1.45In	t < 2h(In > 63A)		B	5In	t < 0.1s	
B,C,D	2.55In	1s < t < 60s(In ≤ 32A)	Tripping	C	10In	t < 0.1s	Tripping
	2.55In	1s < t < 120s(In > 32A)		D	20In	t < 0.1s	

Curve

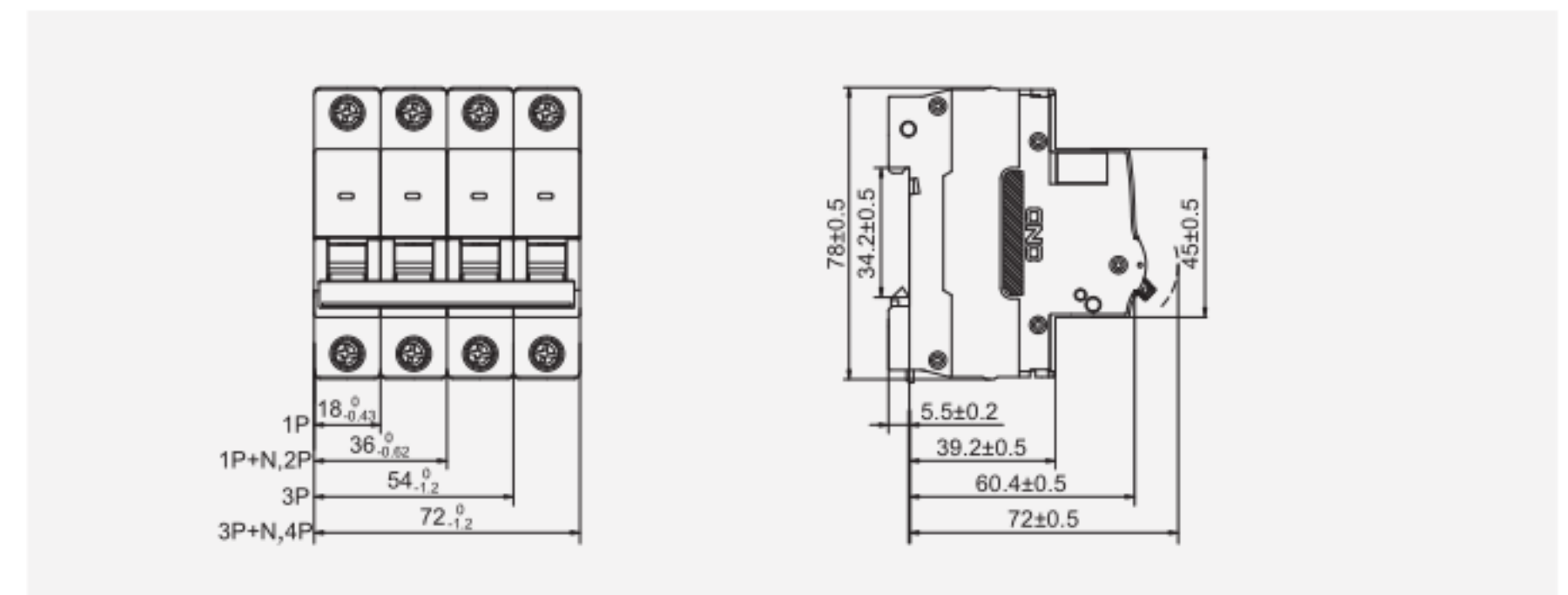


Modular DIN Rail
YCB7-63 MCB

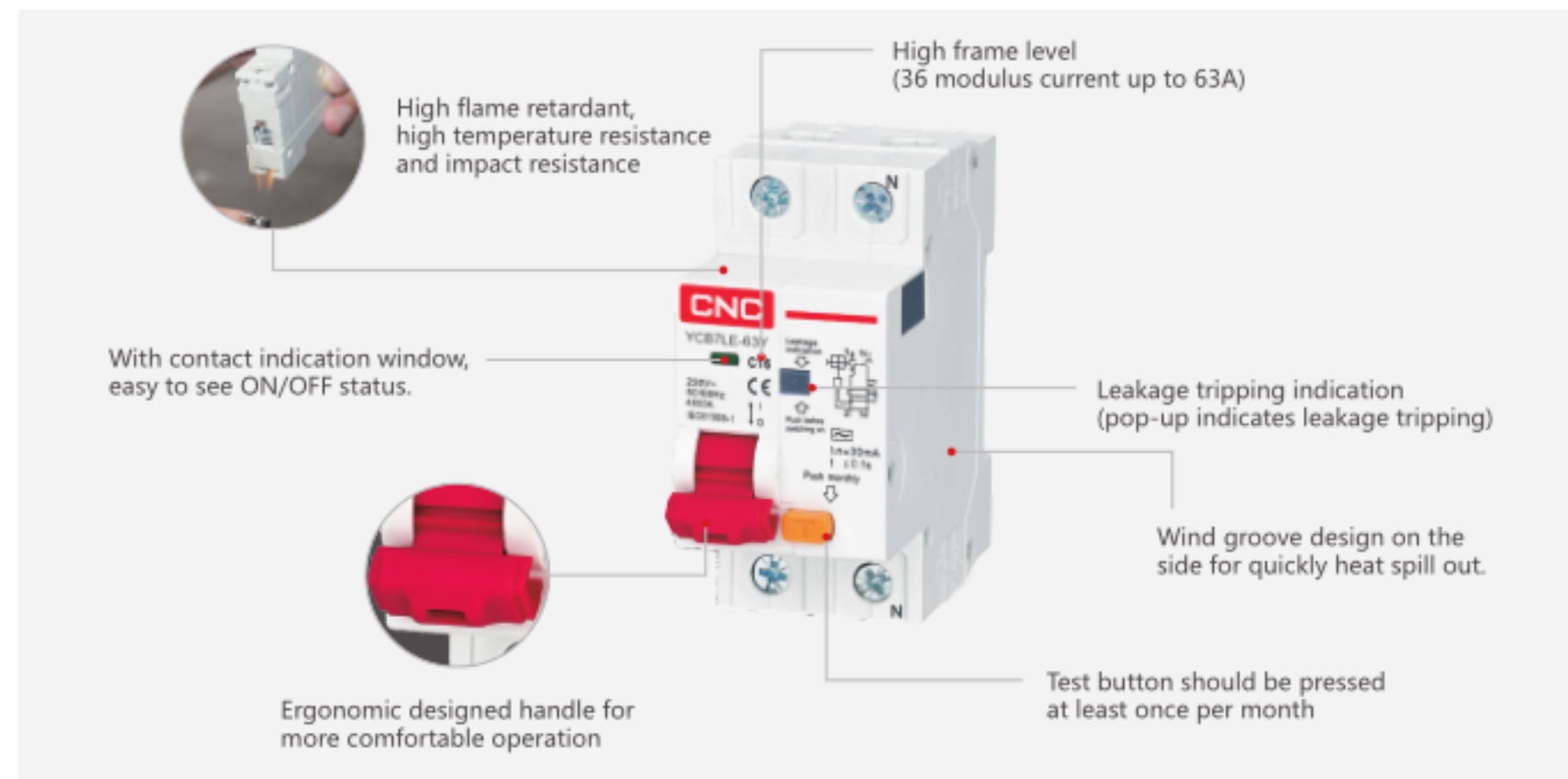
Specifications

Type	Standard		IEC/EN 60898-1	
Electrical features	Rated current In	A	1, 2, 3, 4, 5, 6, 10, 16, 20, 25, 32, 40, 50, 63	
	Poles	P	1, 2, 3, 4	
	Rated voltage Ue	V	230/400	
	Insulation voltage Ui	V	500	
	Rated frequency	Hz	50/60	
	Rated breaking capacity	A	4500	
	Rated impulse withstand voltage(1.2/50)Uimp	V	4000	
	Dielectric test voltage at ind. Freq. for 1min	kV	2	
	Pollution degree			2
	Thermo-magnetic release characteristic			B, C, D
Mechanical features	Electrical life	t	6000	
	Mechanical life	t	20000	
	Protection degree		IP20	
	Reference temperature for setting of thermal element	°C	30	
	Ambient temperature (with daily average ≤ 35°C)	°C	-5 ~ +40	
Storage temperature	°C	-25 ~ +70		
Installation	Terminal connection type		Cable/Pin-type busbar	
	Terminal size top / bottom for cable	mm ²	25	
		AWG	18-3	
	Terminal size top / bottom for busbar	mm ²	25	
		AWG	18-3	
	Tightening torque	N*m	2	
		In-lbs	18	
	Mounting		On DIN rail EN 60715(35mm)by means of fast clip device	
Connection		From top and bottom		

Overall and mounting dimensions(mm)



YCB7LE-63Y RCBO Electronic



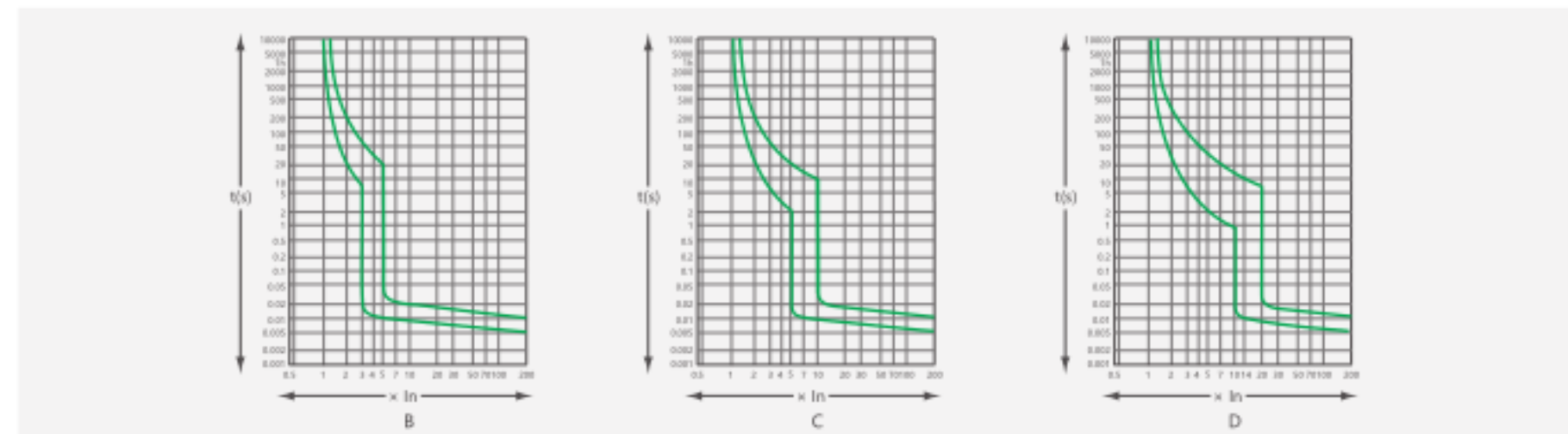
General

1. Protection against overload and short-circuit currents
2. Protection against the effects of sinusoidal alternating earth fault currents
3. Protection against indirect contacts and additional protection against direct contacts.
4. Protection against fire hazard caused by insulation faults
5. Used in residential building
6. According to the type of instantaneous release classified as follows : type B(3-5)I_n, type C(5-10)I_n, type D(10-20)I_n

Release

Type	Test current	Tripping time	Expected result	Type	Test current	Tripping time	Expected result
B,C,D	1.13I _n	t ≤ 1h (I _n ≤ 63A)	Not tripping	B	3I _n	t ≤ 0.1s	Not tripping
	1.13I _n	t ≤ 2h (I _n > 63A)		C	5I _n	t ≤ 0.1s	
B,C,D	1.45I _n	t < 1h (I _n ≤ 63A)	Tripping	D	10I _n	t ≤ 0.1s	Tripping
	1.45I _n	t < 2h (I _n > 63A)		B	5I _n	t < 0.1s	
B,C,D	2.55I _n	1s < t < 60s (I _n ≤ 32A)	Tripping	C	10I _n	t < 0.1s	Tripping
	2.55I _n	1s < t < 120s (I _n > 32A)		D	20I _n	t < 0.1s	

Curve

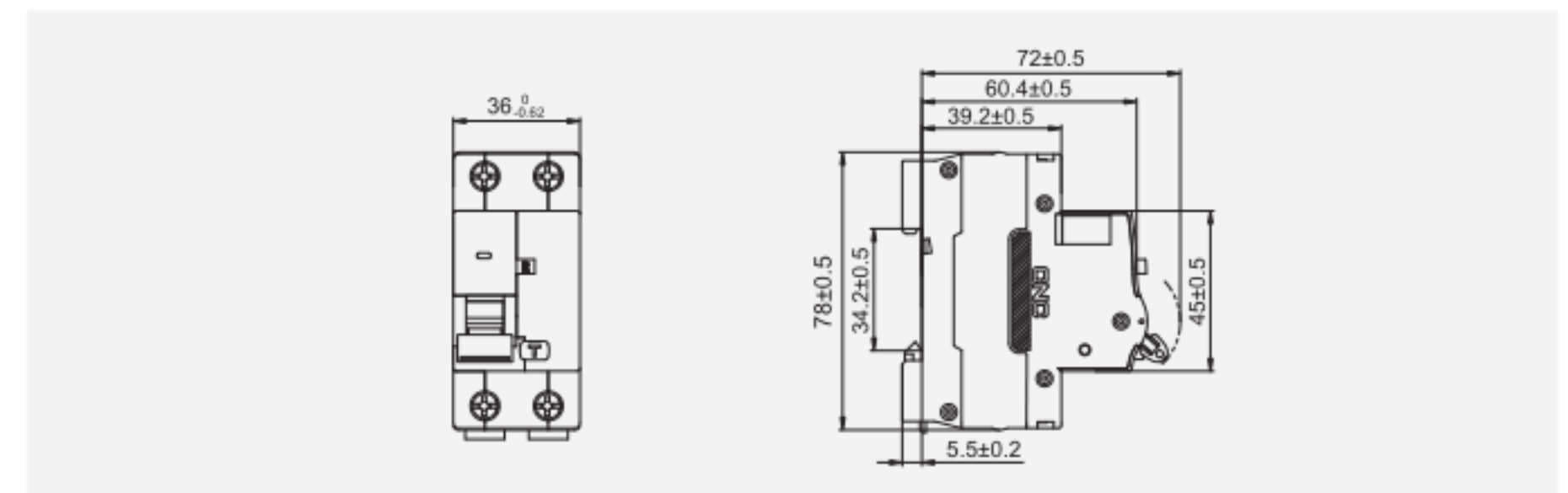


YCB7LE-63Y RCBO Electronic

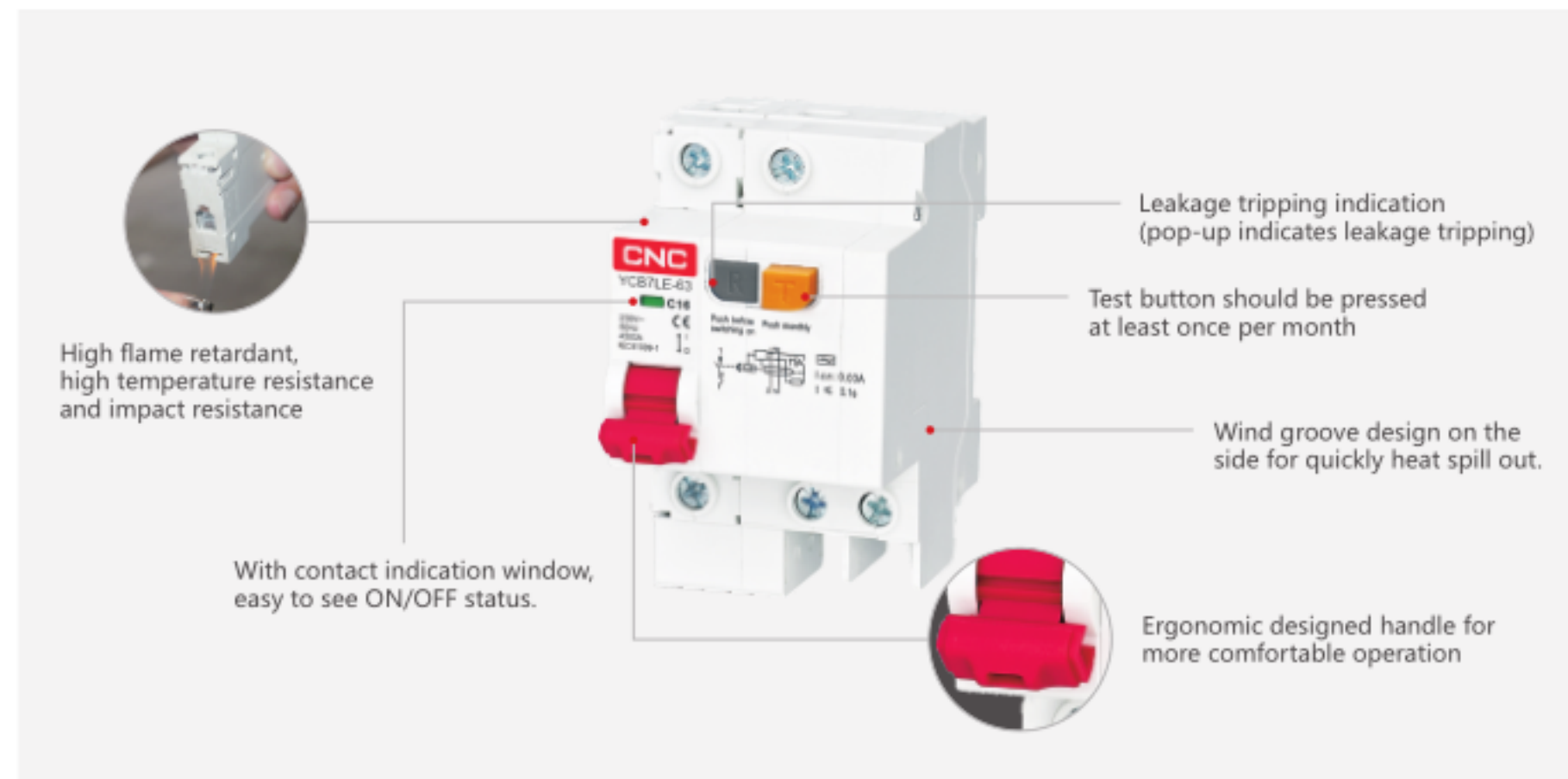
Specifications

Type	Standard		IEC/EN 61009-1
Electrical features	Poles	P	1P+N
	Type(wave form of the earth leakage sensed)		AC
	Thermo-magnetic release characteristic		B, C, D
	Rated current I _n	A	6, 10, 16, 20, 25, 32, 40, 50, 63
	Rated voltage U _e	V	230
	Rated sensitivity IΔn	A	0.03, 0.05, 0.1
	Rated residual making and breaking capacity IΔm	A	500(I _n ≤ 40A) 630(I _n > 40A)
	Rated short-circuit capacity I _{cn}	A	4500
	Break time under IΔn	s	≤ 0.1
	Rated frequency	Hz	50/60
	Rated impulse withstand voltage(1.2/50)U _{imp}	V	4000
	Dielectric test voltage at ind.Freq.for 1min	kV	2
	Insulation voltage U _i	V	500
Pollution degree		2	
Mechanical features	Electrical life	t	4000
	Mechanical life	t	10000
	Contact position indicator		Yes
	Protection degree		IP20
	Ambient temperature(with daily average ≤ 35°C)	°C	-5 ~ +40
Storage temperature	°C	-25 ~ +70	
Installation	Terminal connection type		Cable/Pin-type busbar
	Terminal size top/bottom for cable	mm ²	25
		AWG	18-3
	Terminal size top/bottom for busbar	mm ²	25
		AWG	18-3
	Tightening torque	N*m	2
		ln-lbs	18
Mounting		On DIN rail EN60715(35mm)by means of fast clip device	
Connection		From top	

Overall and mounting dimensions(mm)



YCB7LE-63 RCBO Electronic



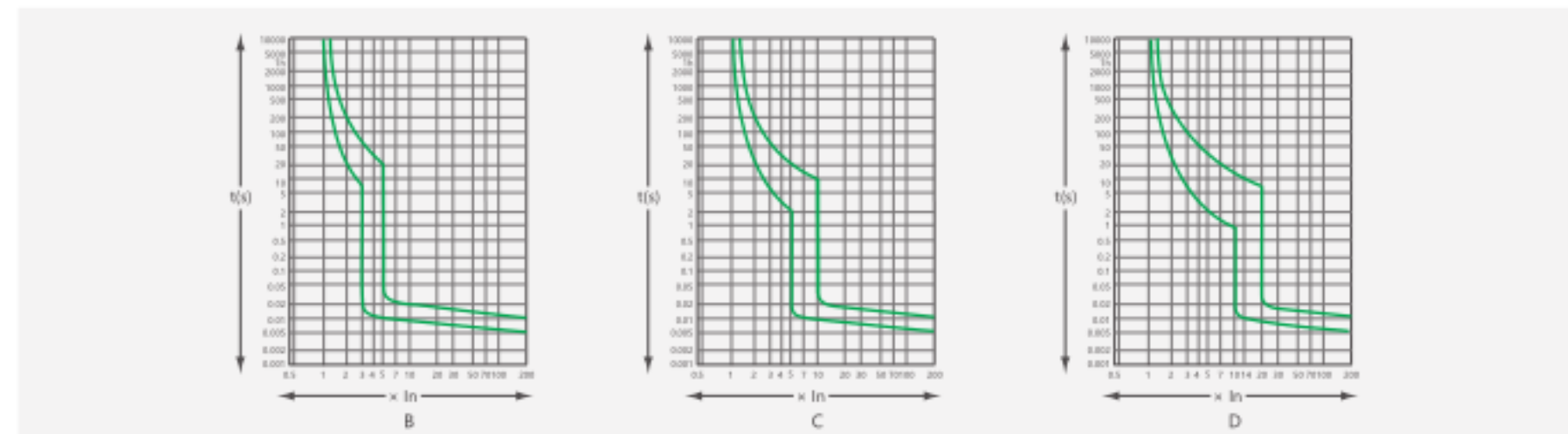
General

1. Protection against overload and short-circuit currents
2. Protection against the effects of sinusoidal alternating earth fault currents
3. Protection against indirect contacts and additional protection against direct contacts.
4. Protection against fire hazard caused by insulation faults
5. Used in residential building
6. According to the type of instantaneous release classified as follows : type B(3-5)In, type C(5-10)In, type D(10-20)In

Release

Type	Test current	Tripping time	Expected result	Type	Test current	Tripping time	Expected result
B,C,D	1.13In	t ≤ 1h(In ≤ 63A)	Not tripping	B	3In	t ≤ 0.1s	Not tripping
	1.13In	t ≤ 2h(In > 63A)					
B,C,D	1.45In	t < 1h(In ≤ 63A)	Tripping	D	10In	t ≤ 0.1s	
	1.45In	t < 2h(In > 63A)					
B,C,D	2.55In	1s < t < 60s(In ≤ 32A)	Tripping	B	5In	t < 0.1s	
	2.55In	1s < t < 120s(In > 32A)					
				C	10In	t < 0.1s	Tripping
				D	20In	t < 0.1s	

Curve

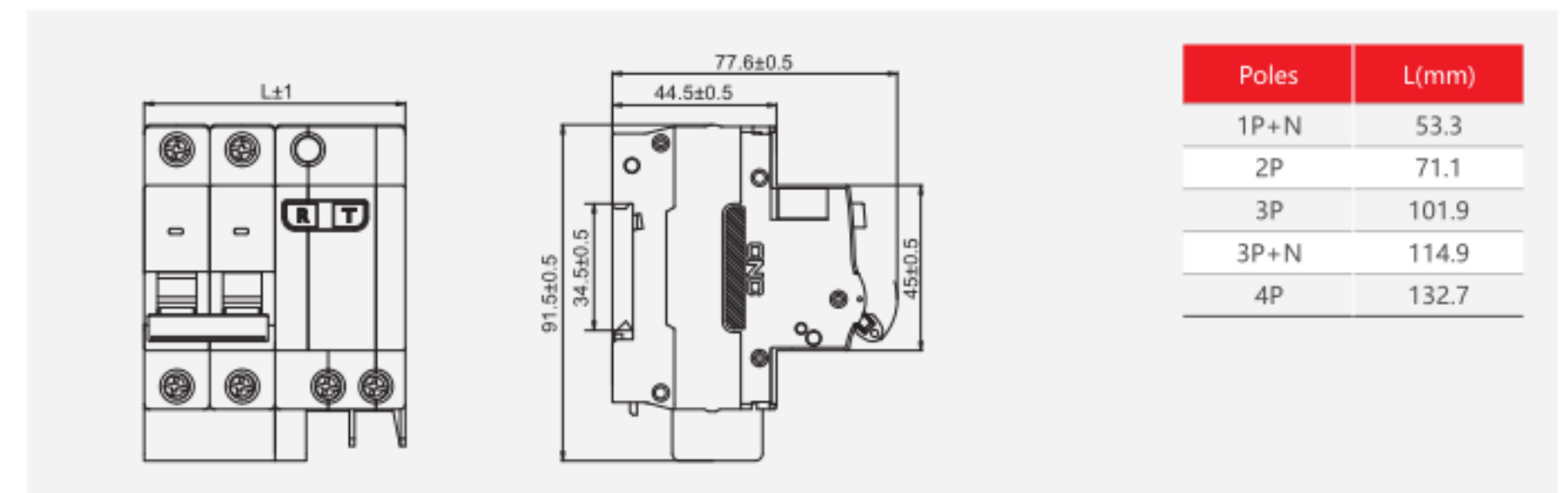


YCB7LE-63 RCBO Electronic

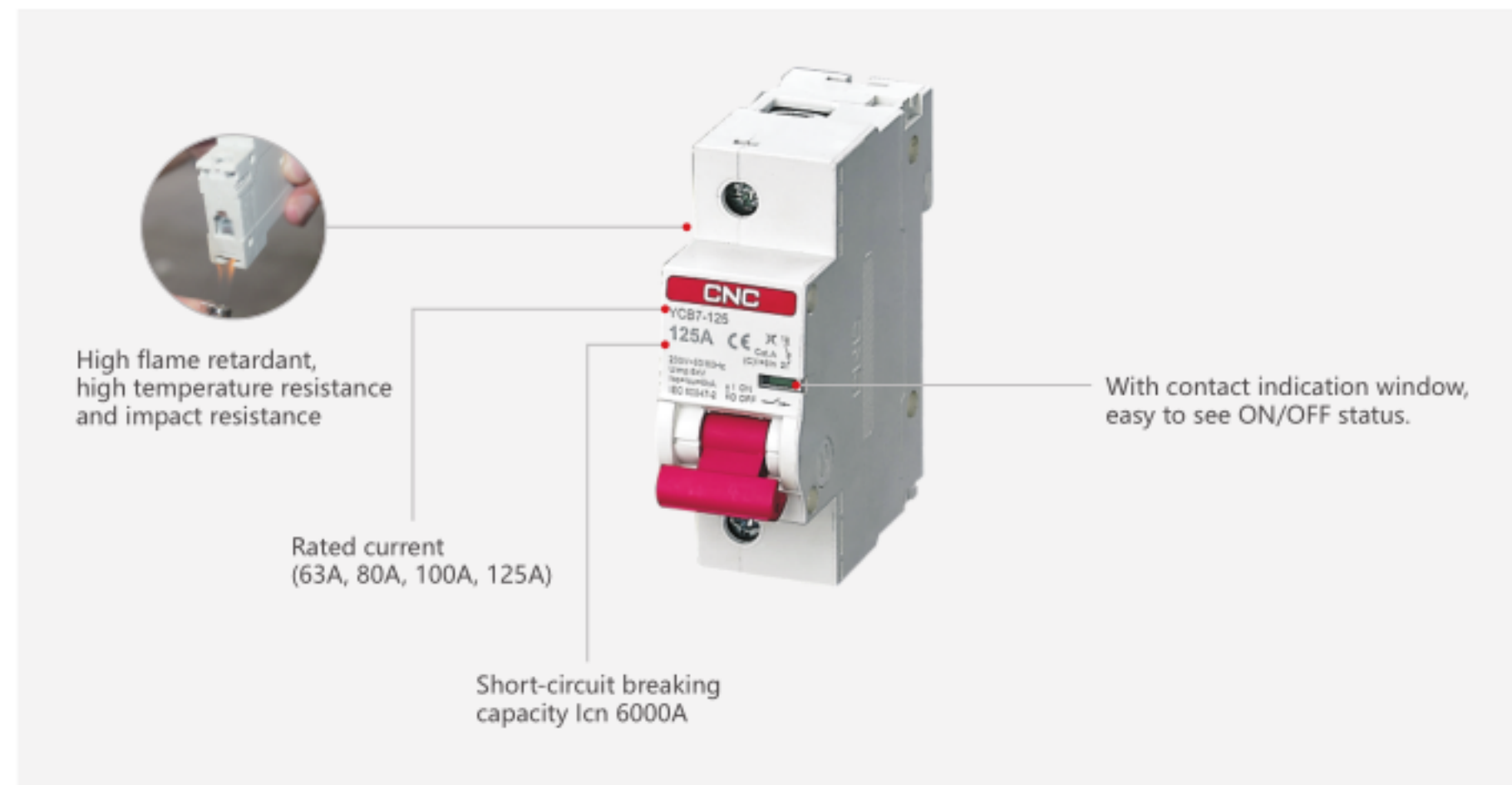
Specifications

Type	Standard		IEC/EN 61009-1
Electrical features	Poles	P	1P+N, 2, 3, 3P+N, 4
	Type(wave form of the earth leakage sensed)		AC
	Thermo-magnetic release characteristic		B, C, D
	Rated current In	A	6, 10, 16, 20, 25, 32, 40, 50, 63
	Rated voltage Ue	V	230V AC(1P+N, 2P) 400V AC(3P, 3P+N, 4P)
	Rated sensitivity IΔn	A	0.03, 0.05, 0.1, 0.3
	Rated residual making and breaking capacity IΔm	A	500(In ≤ 40A) 630(In > 40A)
	Rated short-circuit capacity Icn	A	4500
	Break time under IΔn	s	≤ 0.1
	Rated frequency	Hz	50/60
	Rated impulse withstand voltage(1.2/50)Uimp	V	4000
	Dielectric test voltage at ind.Freq.for 1min	kV	2
Insulation voltage Ui	V	500	
Pollution degree			2
Mechanical features	Electrical life	t	4000
	Mechanical life	t	10000
	Contact position indicator		Yes
	Protection degree		IP20
	Ambient temperature(with daily average ≤ 35°C)	°C	-5 ~ +40
Storage temperature	°C	-25 ~ +70	
Installation	Terminal connection type		Cable/Pin-type busbar
	Terminal size top/bottom for cable	mm ²	25
		AWG	18-3
	Terminal size top/bottom for busbar	mm ²	25
		AWG	18-3
	Tightening torque	N*m	2
		ln-lbs	18
Mounting		On DIN rail EN60715(35mm)by means of fast clip device	
Connection		From top	

Overall and mounting dimensions(mm)



Modular DIN Rail
YCB7-125 MCB



General

1. Overload protection
2. Short circuit protection
3. Controlling
4. Used in residential building, non-residential building, energy source industry and infrastructure.

Release

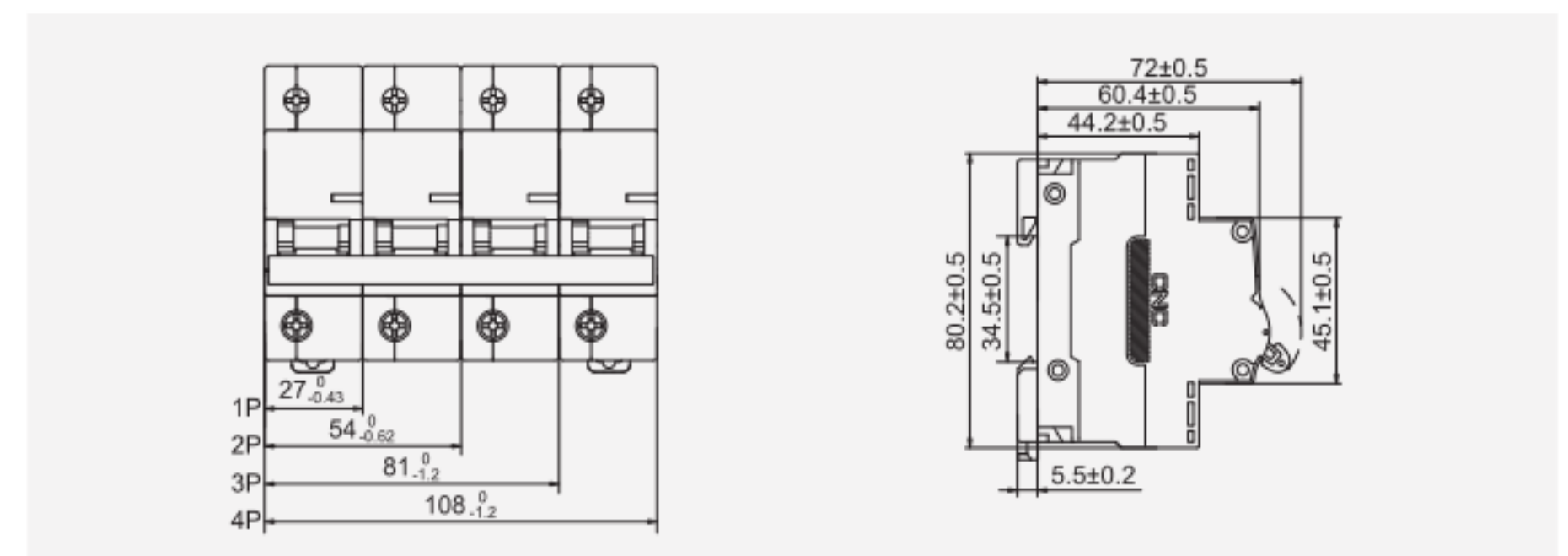
Type	Test current	Tripping time	Expected result
C,D	1.05I _n	t ≤ 1h(I _n ≤ 63A), t ≤ 2h(I _n ≤ 63A)	Not tripping
C,D	1.3I _n	t ≤ 1h(I _n ≤ 63A), t ≤ 2h(I _n ≤ 63A)	Tripping
C,D	2.55I _n	1s < t < 60s	Tripping
C	8I _n × 80%	t ≤ 0.2s	Not tripping
D	12I _n × 80%	t ≤ 0.2s	Not tripping
C	8I _n × 120%	t < 0.2s	Tripping
D	12I _n × 120%	t < 0.2s	Tripping

Modular DIN Rail
YCB7-125 MCB

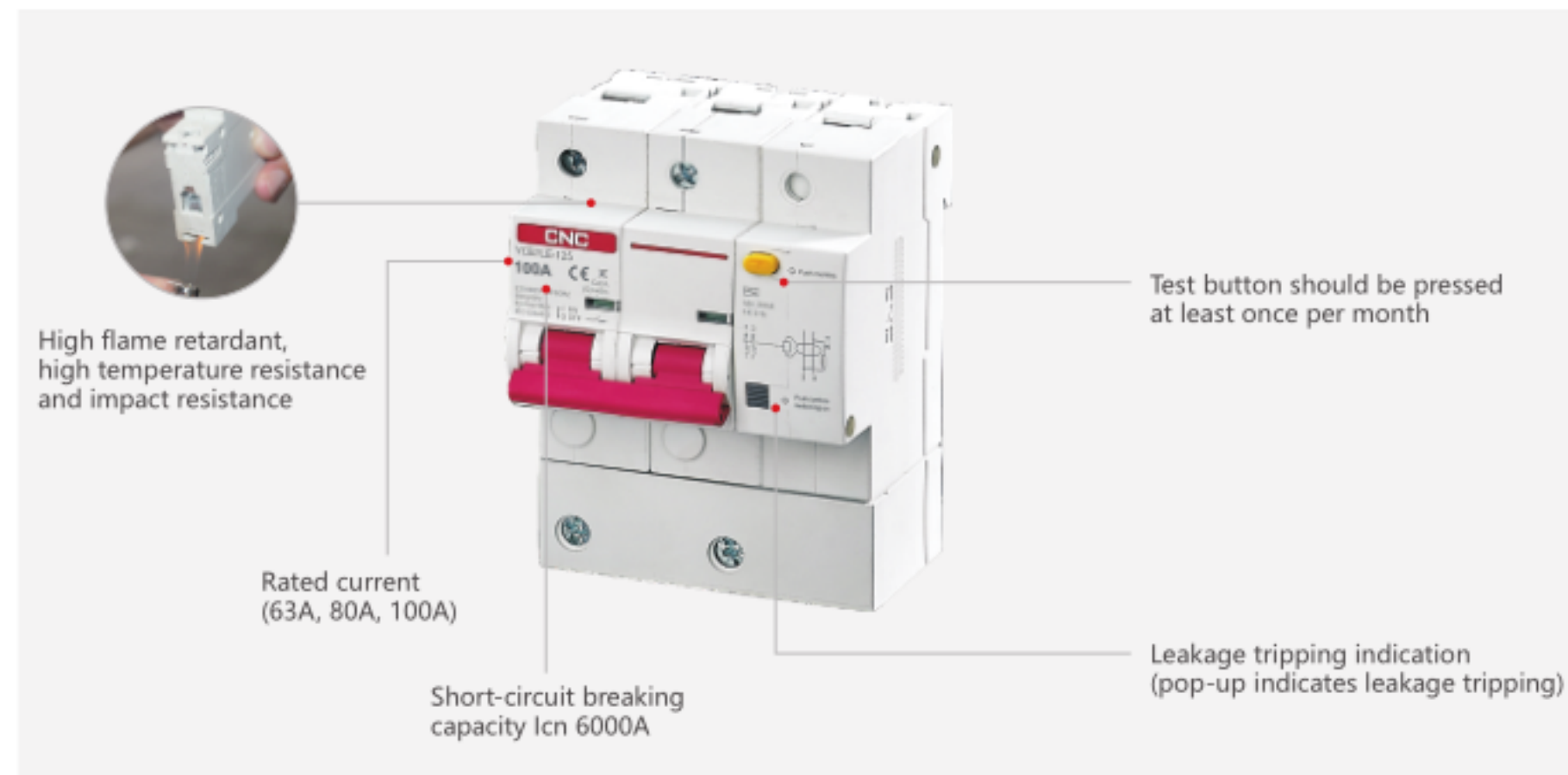
Specifications

Type	Standard		IEC/EN 60947-2
Electrical features	Rated current I _n	A	63, 80, 100, 125
	Poles	P	1, 2, 3, 4
	Rated voltage U _e	V	230/400
	Insulation voltage U _i	V	500
	Rated frequency	Hz	50/60
	Rated breaking capacity	A	6000
	Rated impulse withstand voltage(1.2/50) U _{imp}	V	6000
	Dielectric test voltage at ind. Freq. for 1min	kV	2.5
	Pollution degree		3
	Thermo-magnetic release characteristic		(C)I _i =8I _n ,(D)I _i =12I _n
Mechanical features	Electrical life	t	1500
	Mechanical life	t	10000
	Contact position indicator		Yes
	Protection degree		IP20
	Reference temperature for setting of thermal element		30
	Ambient temperature (with daily average ≤ 35°C)	°C	-5~+40(Special application please refer to temperature compensation correction)
	Storage temperature	°C	-25~+70
	Terminal connection type	°C	Cable/Pin-type busbar
Installation	Terminal size top / bottom for cable	mm ²	50
		AWG	18-1/0
	Terminal size top / bottom for busbar	mm ²	50
		AWG	18-1/0
	Tightening torque	N*m	3.5
		In-lbs	31
Mounting		On DIN rail EN60715(35mm)by means of fast clip device	
Connection		From top and bottom	

Overall and mounting dimensions(mm)



YCB7LE-125 RCBO Electronic



Function

1. Personnel and fire protection
2. Cable and line protection against overload and short-circuits.

Selection

1. $I\Delta n \leq 30$ mA: additional protection in the case of direct contact.
2. $I\Delta n \leq 300$ mA: preventative fire protection in the case of ground fault currents.
3. AC class – Tripping is ensured for sinusoidal, alternating currents, whether they be quickly applied or slowly increase.

Release

Type		Tripping time	$I\Delta n$ (A)	Expected result				Note	
				$I\Delta n$	$2I\Delta n$	$5I\Delta n$	$6I\Delta n$		
General		63, 80, 100, 125	≥ 0.03	0.1	0.07	0.04	0.04	Minimum time for tripping	
Time delay	Time limit for not tripping		0.06s	≥ 0.03	0.3	0.2	0.15	0.15	Minimum time for tripping
			0.1s	≥ 0.03	0.13	0.06	0.05	0.04	Minimum time for not tripping
				≥ 0.03	0.6	0.4	0.3	0.2	Minimum time for tripping
				≥ 0.03	0.23	0.1	0.06	0.05	Minimum time for not tripping

Release

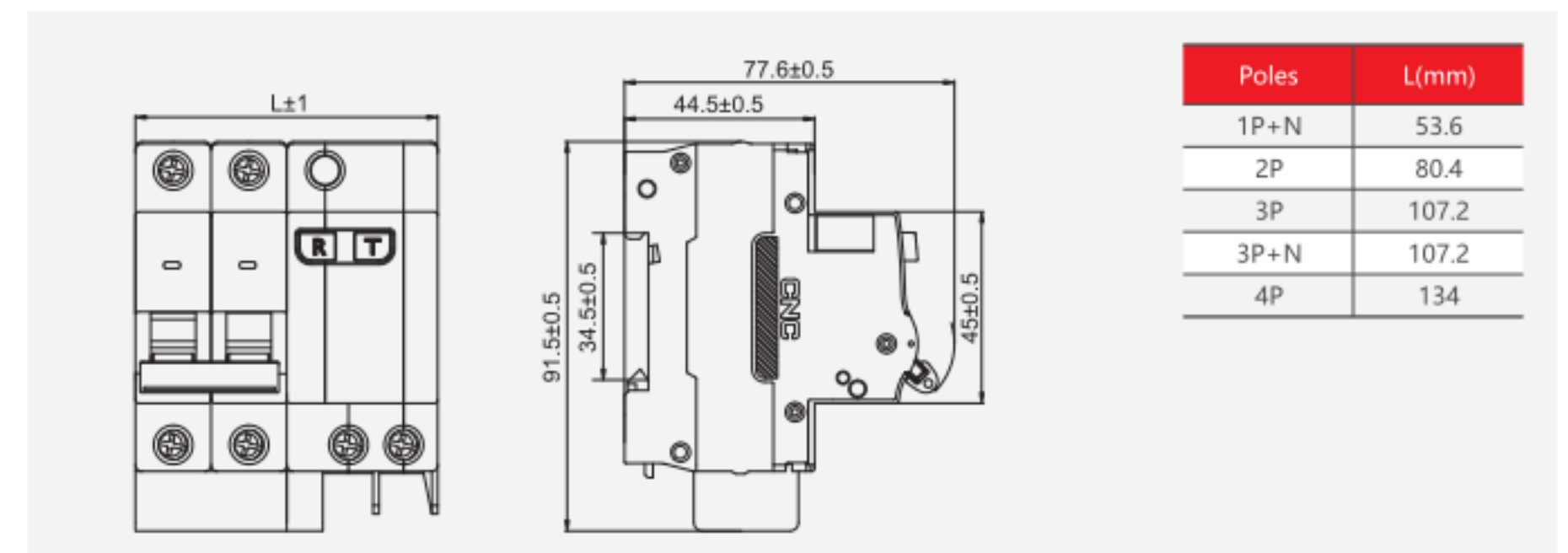
Type	Test current	Tripping time	Expected result
C,D	$1.05I_n$	$t \leq 1h (I_n \leq 63A), t \leq 2h (I_n \leq 63A)$	Not tripping
C,D	$1.3I_n$	$t \leq 1h (I_n \leq 63A), t \leq 2h (I_n \leq 63A)$	Tripping
C,D	$2.55I_n$	$1s < t < 120s$	Tripping
C	$8I_n \times 80\%$	$t \leq 0.2s$	Not tripping
D	$12I_n \times 80\%$	$t \leq 0.2s$	Not tripping
C	$8I_n \times 120\%$	$t < 0.2s$	Tripping
D	$12I_n \times 120\%$	$t < 0.2s$	Tripping

YCB7LE-125 RCBO Electronic

Specifications

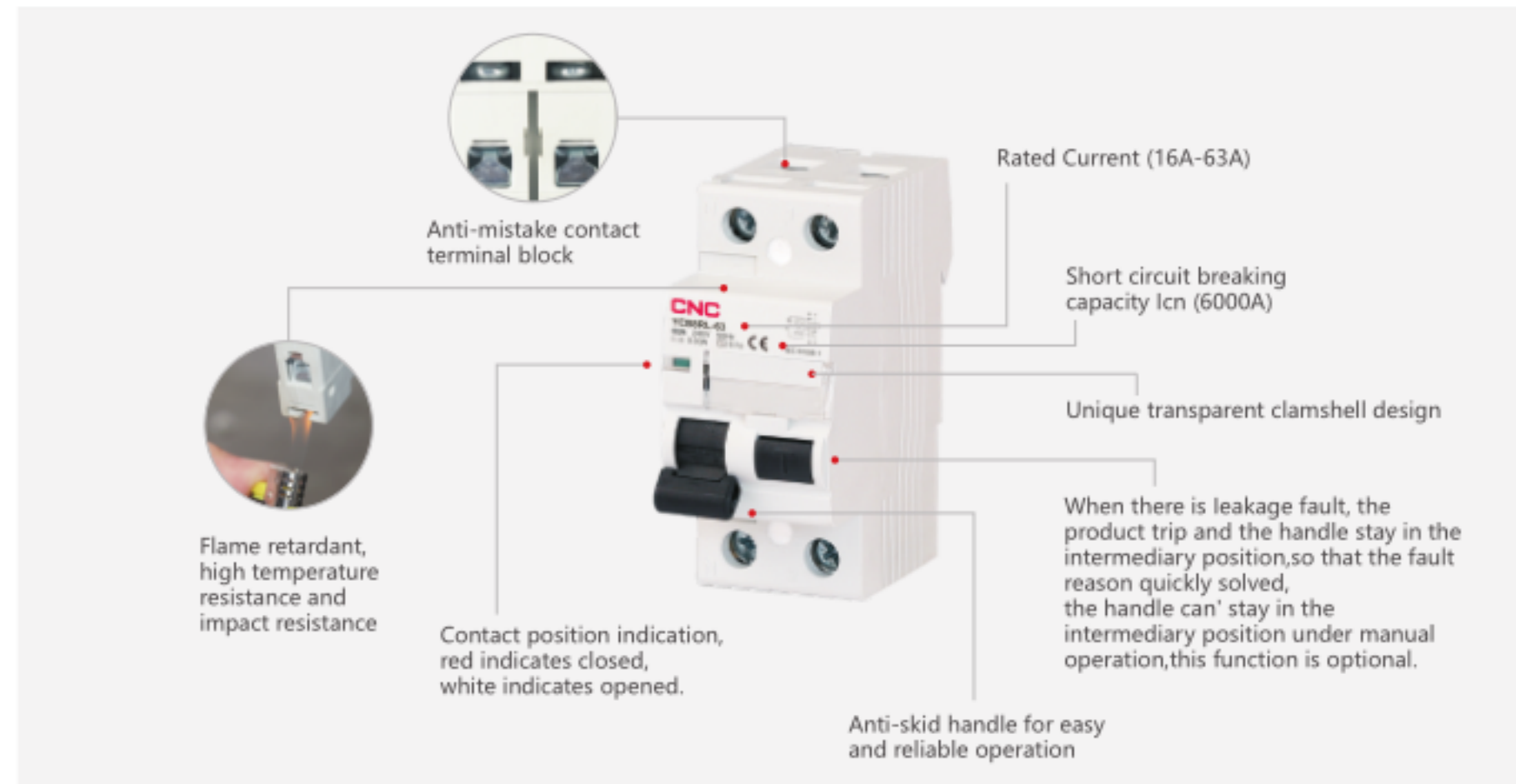
Type	Standard	IEC/EN 60947-2	
Electrical features	Type (wave form of the earth leakage sensed)	AC	
	Thermo-magnetic release characteristic	(C)li=8In,(D)li=12In	
	Rated current In	A 63, 80, 100	
	Poles	1P+N, 2P, 3P, 3P+N, 4P	
	Rated voltage Ue	V 230/400	
	Rated sensitivity $I\Delta n$	A 0.03, 0.1, 0.3	
	Rated short-circuit capacity Icn	A 6000	
	Break time under $I\Delta n$	s ≤ 0.1	
	Rated impulse withstand voltage (1.2/50)Uimp	V 4000	
	Dielectric TEST voltage at ind. Freq. for 1min	kV 1.89	
Mechanical features	Insulation voltage Ui	V 500	
	Pollution degree	3	
	Electrical life	1500	
	Mechanical life	8500	
	Contact position indicator	Yes	
	Protection degree	IP20	
	Ambient temperature(with daily average $\leq 35^\circ\text{C}$)	$^\circ\text{C}$ -5...+40	
	Storage temperature	$^\circ\text{C}$ -25...+70	
	Installation	Terminal connection type	Cable/Pin-type busbar
		Terminal size top/bottom for cable	mm ²
AWG			6-1/0
Terminal size top/bottom for busbar		mm ²	16~35
		AWG	6-2
Tightening torque		N-m	3.5
	In-lbs.	31	
Mounting Connection	On DIN rail EN 60715 (35mm) by means of fast clip device From top		

Overall and mounting dimensions(mm)



YCB8RL-63 RCCB Electromagnetic

A



General

1. Protection against the effects of sinusoidal alternating earth fault currents
2. Protection against indirect contacts and additional protection against direct contacts
3. Protection against fire hazard caused by insulation faults
4. Controlling and Switching
5. Used in residential building, non-residential building, energy sources, industry and infrastructure

Release

Type		Tripping sensitivity data	
AC	For residual sinusoidal alternating currents	30mA	For personnel, material and fire protection, as well as for protection against direct contact
A	For residual sinusoidal alternating currents and residual pulsating direct currents	100mA	For providing protection against indirect contacts
		300mA	For providing fire protection in case of insulation faults

Wiring Diagram

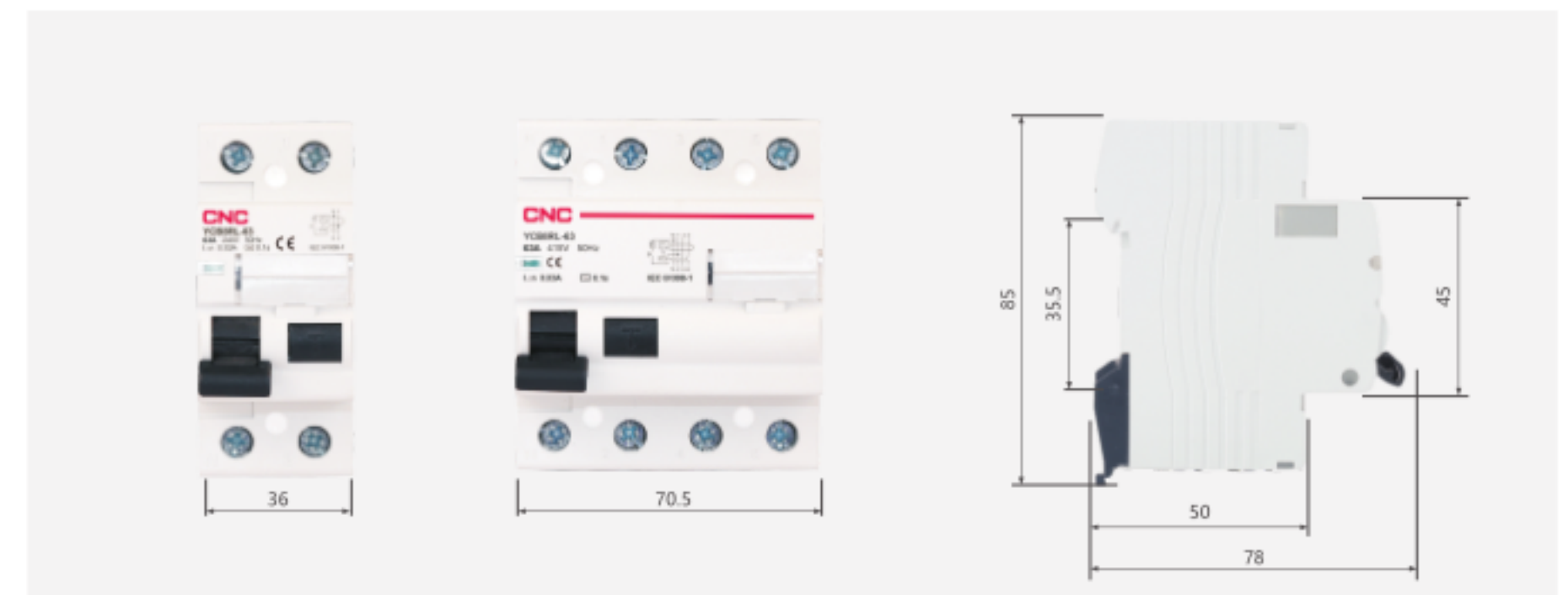


YCB8RL-63 RCCB Electromagnetic

Specifications

Type	Standard	IEC/EN 61008-1
Electrical features	Leakage type	Electromagnetic type
	Rated current In	A
	Type (wave form of the earth leakage sensed)	A, AC
	Poles	P
	Rated voltage Ue	V
	Insulation voltage Ui	V
	Rated frequency	Hz
	Rated breaking capacity Inc=IΔc	A
	Rated impulse withstand voltage (1.2/50) Uimp	V
	Dielectric test voltage at ind. Freq. for 1min	kV
	Rated sensitivity IΔn	A
	Rated residual making and breaking capacity IΔm	A
	Pollution degree	
	Electrical life	t
Mechanical features	Mechanical life	t
	Protection degree	
	Storage temperature	°C
	Ambient temperature (with daily average ≤35°C)	°C
	Terminal connection type	
Installation	Terminal size top / bottom for cable	mm ²
		AWG
	Terminal size top / bottom for busbar	mm ²
		AWG
	Tightening torque	N*m
		In-lbs
	Mounting	
Connection		

Overall and mounting dimensions(mm)



YCB9 Series

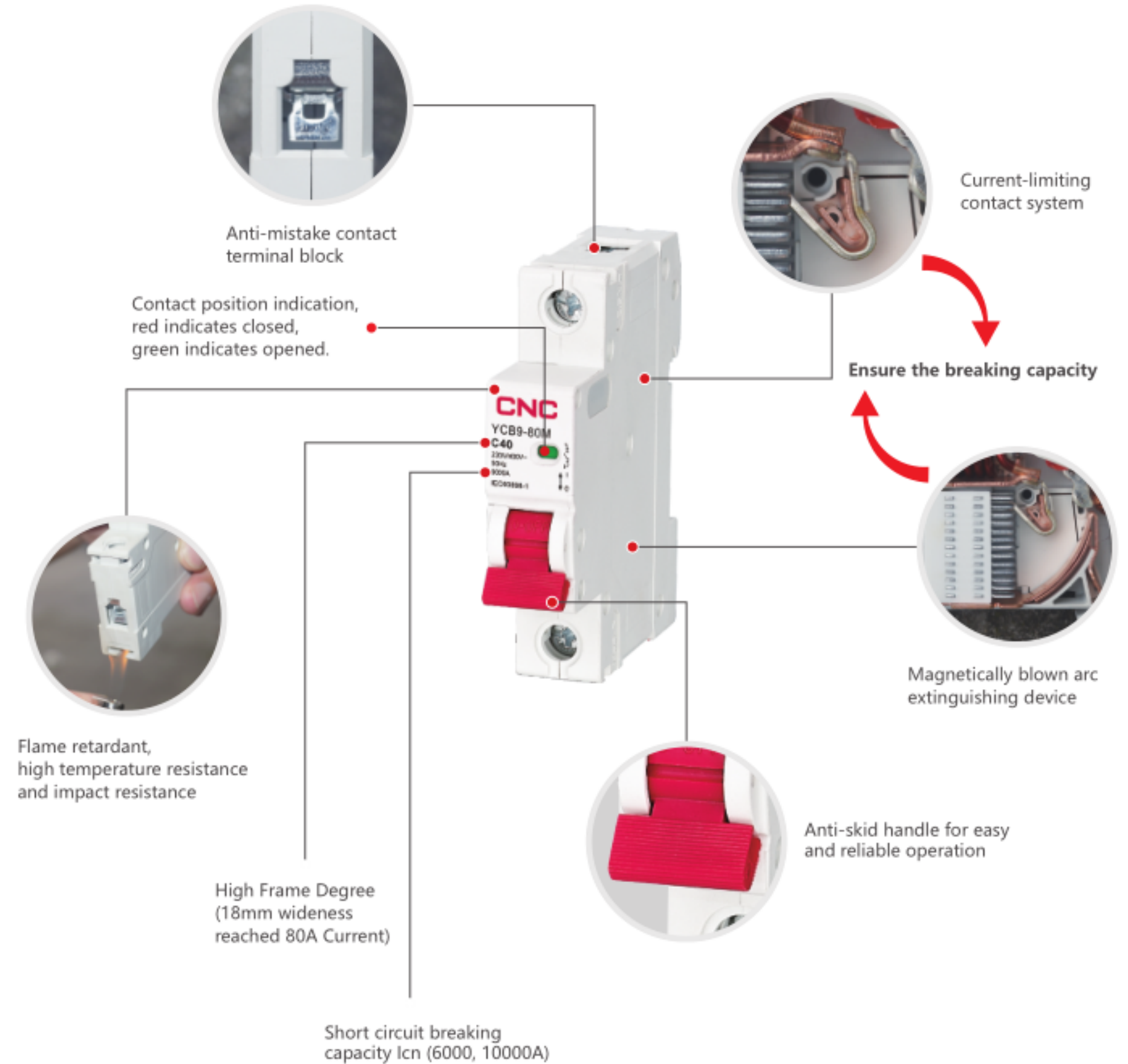
Miniature Circuit Breaker



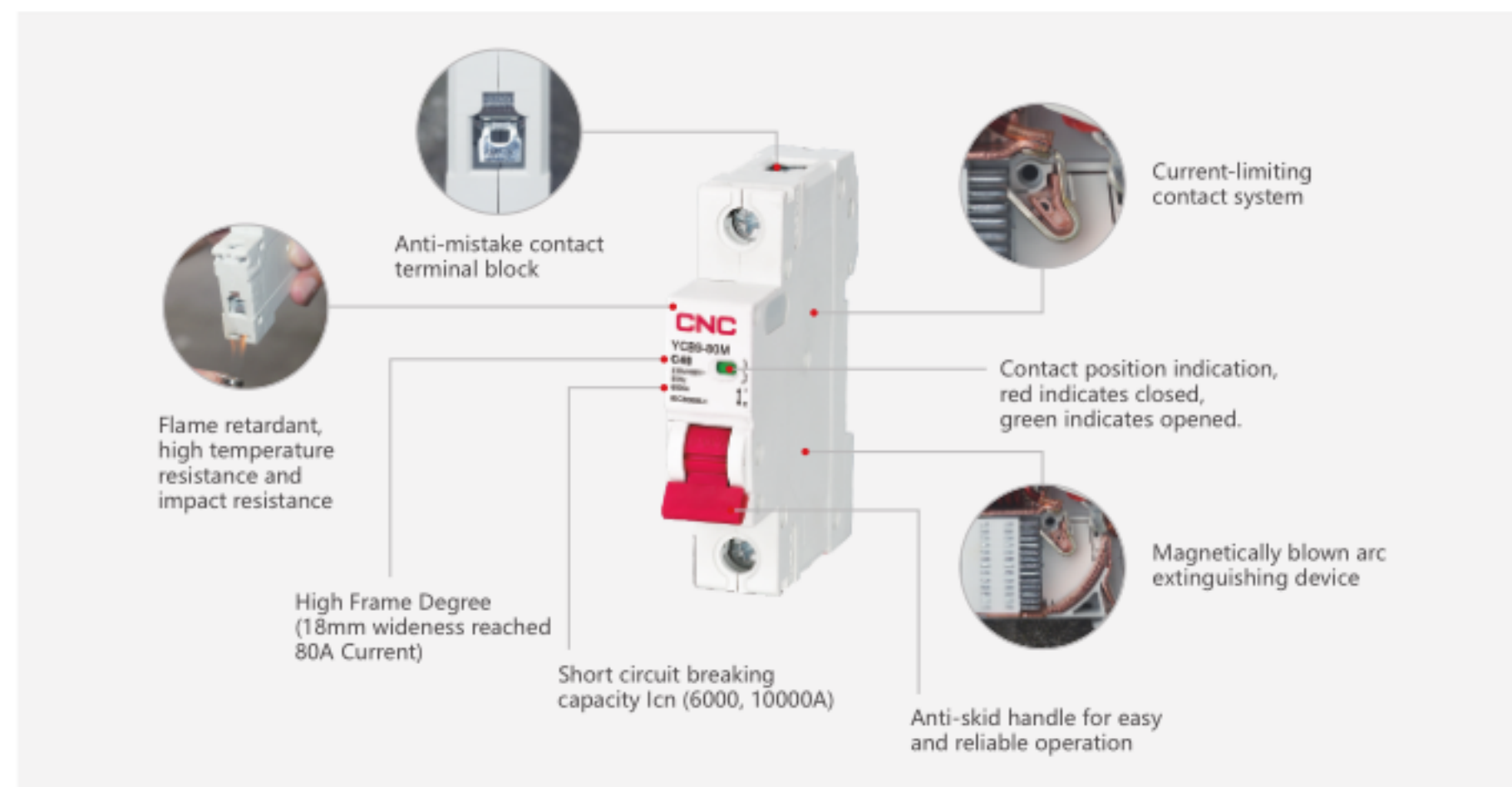
- 18mm wideness high frame MCB rated current 80A
- Leakage function can be selected for various places
- 36mm wideness RCBO rated current 80A reduce 50% installation space

YCB9 Series MCB

Product Structure Analysis Diagram



Modular DIN Rail
YCB9-80M MCB



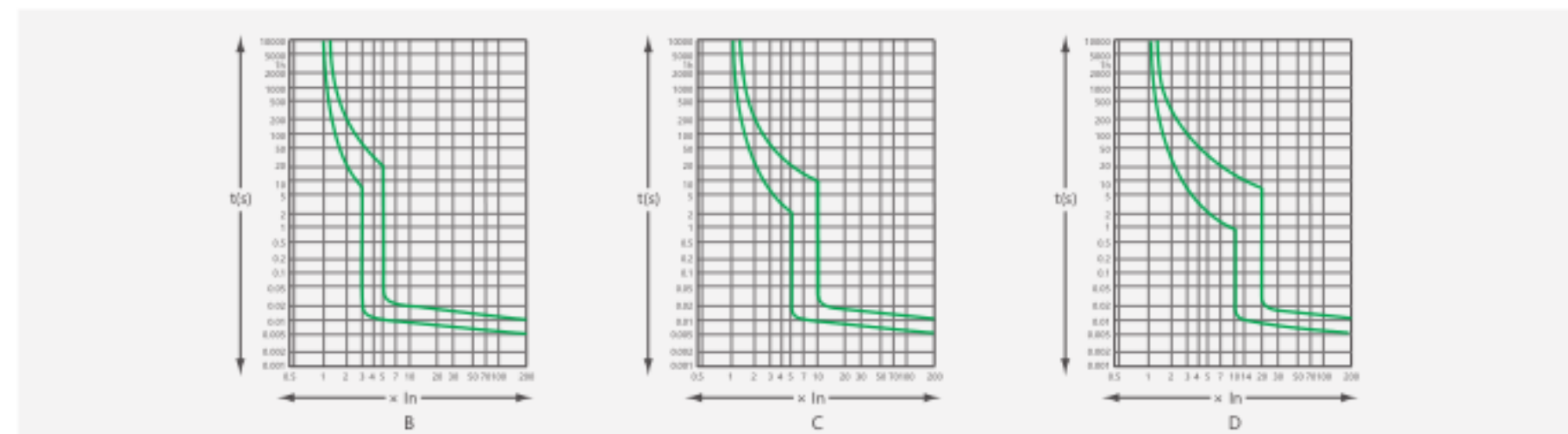
General

1. Overload protection
2. Short circuit protection
3. Controlling
4. Used in residential building, non-residential building, energy source industry and infrastructure.
5. According to the type of instantaneous release classified as follows : type B(3-5)In, type C(5-10)In, type D(10-20)In

Release

Type	Test current	Tripping time	Expected result	Type	Test current	Tripping time	Expected result
B,C,D	1.13In	t ≤ 1h(In ≤ 63A)	Not tripping	B	3In	t ≤ 0.1s	Not tripping
	1.13In	t ≤ 2h(In > 63A)		C	5In	t ≤ 0.1s	
B,C,D	1.45In	t < 1h(In ≤ 63A)	Tripping	D	10In	t ≤ 0.1s	Tripping
	1.45In	t < 2h(In > 63A)		B	5In	t < 0.1s	
B,C,D	2.55In	1s < t < 60s(In ≤ 32A)	Tripping	C	10In	t < 0.1s	Tripping
	2.55In	1s < t < 120s(In > 32A)		D	20In	t < 0.1s	

Curve

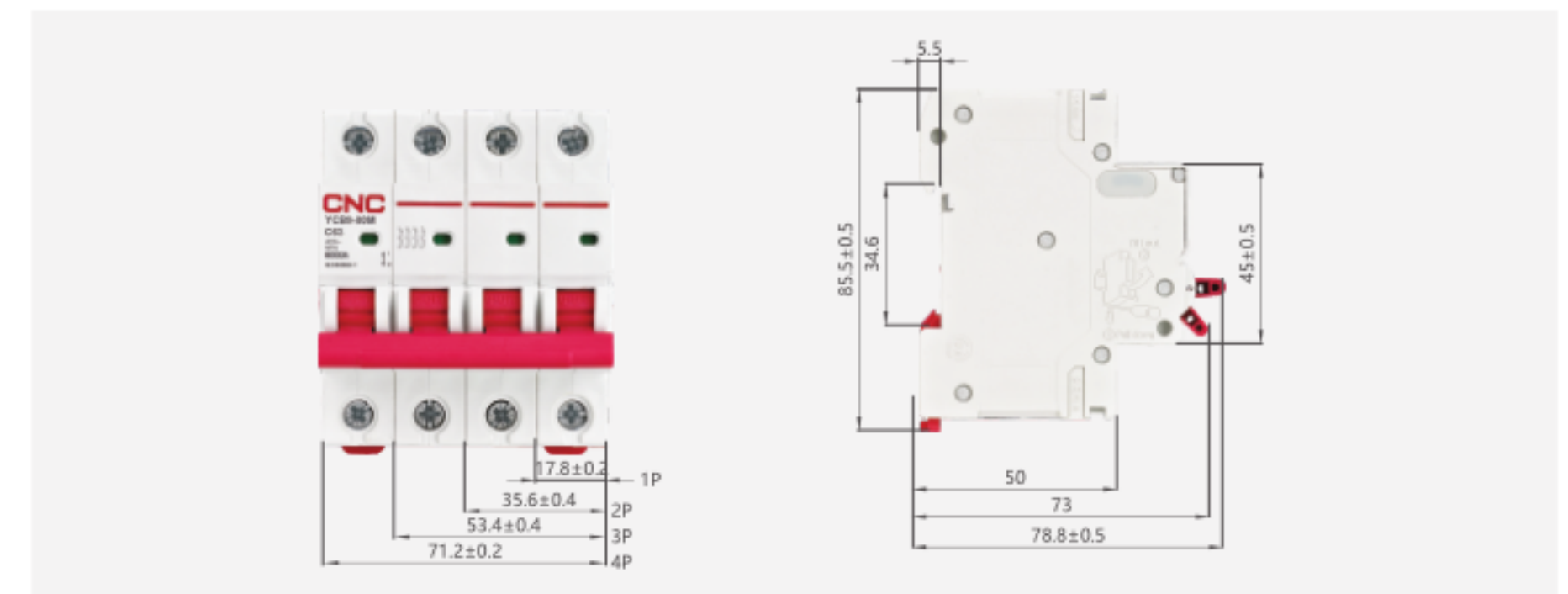


Modular DIN Rail
YCB9-80M MCB

Specifications

Type	Standard		IEC/EN 60898-1
Electrical features	Rated current In	A	1, 2, 4, 6, 10, 16, 20, 25, 32, 40, 50, 63, 80
	Poles	P	1, 2, 3, 4
	Rated voltage Ue	V	230/400
	Insulation voltage Ui	V	500
	Rated frequency	Hz	50/60
	Rated breaking capacity	A	6000, 10000
	Rated impulse withstand voltage(1.2/50)Uimp	V	6000
	Dielectric test voltage at ind. Freq. for 1min	kV	2
	Pollution degree		2
	Thermo-magnetic release characteristic		B, C, D
Mechanical features	Electrical life	t	8000
	Mechanical life	t	20000
	Protection degree		IP20
	Reference temperature for setting of thermal element	°C	30
	Ambient temperature (with daily average ≤ 35°C)	°C	-5 ~ +40
Storage temperature	°C	-25 ~ +70	
Installation	Terminal connection type		Cable/Pin-type busbar/U-type bar
	Terminal size top / bottom for cable	mm ²	25
		AWG	18-3
	Terminal size top / bottom for busbar	mm ²	25
		AWG	18-3
	Tightening torque	N*m	2
		In-lbs	18
	Mounting		On DIN rail EN 60715(35mm)by means of fast clip device
Connection		From top and bottom	

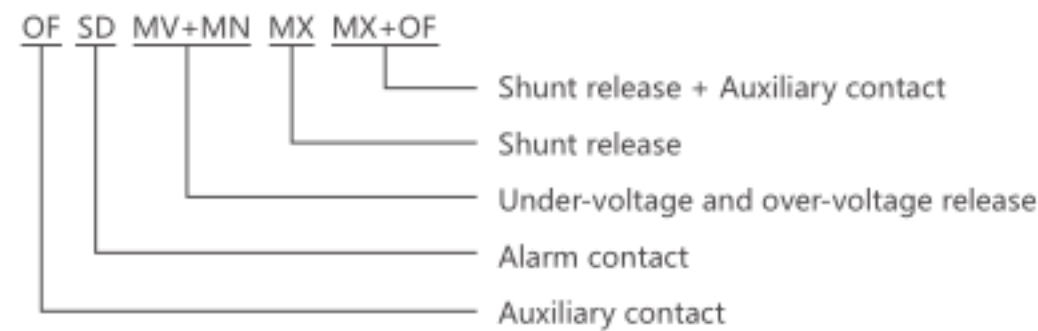
Overall and mounting dimensions(mm)



Product Overview

This series circuit breaker accessories are used in household, building and other electrical circuits, cooperated with YCB9 series circuit breaker to select different accessories according to the needs, so as to realize the remote control of circuit breaker, provide auxiliary signal, opening and closing status indication, provide alarm signal function for better protect the circuit, personal and property safety.

Type designation



Accessory Name, Function and Standard

Accessory name	Code	Function
Auxiliary contact	OF	Provide auxiliary signal and control auxiliary circuit
Alarm contact	SD	When the circuit breaker is disconnected due to the fault, the alarm signal shall be provided.
Shunt release	MX	Over the range of 70% ~ 110% of the rated control supply voltage, the release should trip the circuit breaker to protect the circuit.
Shunt release + Auxiliary contact	MX+OF	Remote control of circuit and control the auxiliary circuit by auxiliary contact.
Over-voltage an under-voltage release	MV+MN	When the rated voltage 230V increase to 270V+/-5% or reduce to 170V+/-5%, the circuit breaker should trip for over-voltage and under-voltage protection.

Standard: IEC60947-5-1

Installation

All the electrical accessories should install in the side of circuit breaker. Details as the figure below. (Remark: each MCB max install with 3 indicate accessories(OF or SD), 2 release accessories.)



Working environment and installation

- Ambient temperature: -5°C~+40°C;
- Altitude: Below 2000m;
- Environment: The medium should be no risk of blasting and can't corrode the metal and damage insulating gas as well as conductive dust;
- Installation: 35mm standard din rail.

Main technical parameters

Auxiliary contact and Alarm contact technical parameters

Accessory name	Rated current(A)			Number of contacts	Diagram
	AC 380V	AC 220V	AC 110V		
Auxiliary contact OF	3	6	1	1NO 1NC	
Alarm contact SD	3	6	1	1NO 1NC	

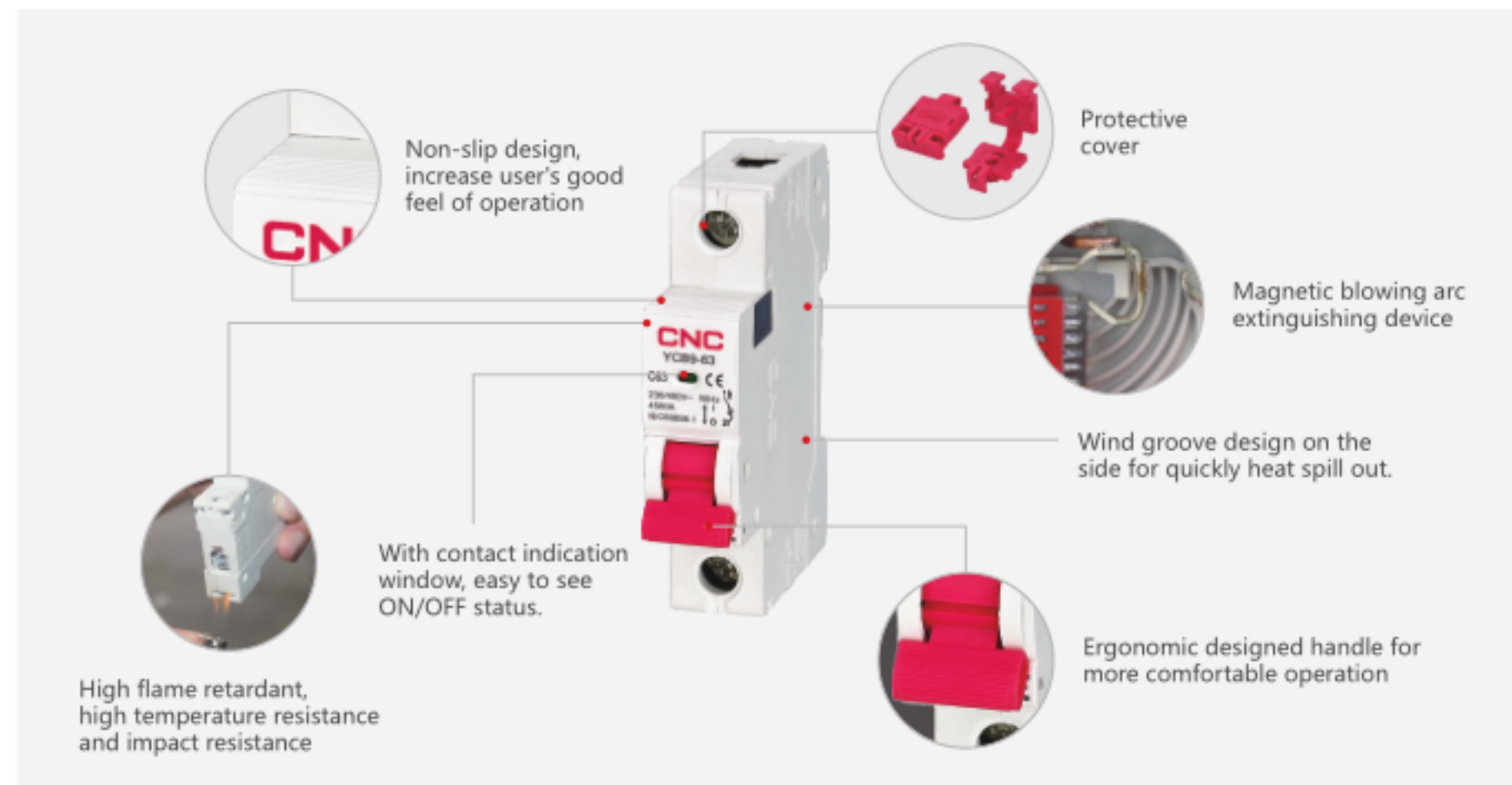
Shunt release, Shunt release + Auxiliary contact technical parameters

Accessory name	Rated insulation voltage Ui	Rated control voltage Us	Tripping power consumption (W or VA)	Operation voltage Us	Diagram
Shunt release MX	415V	AC/DC: 220~380V 110~220V	240	0.7~1.1	
		AC/DC: 24~48V	120		
Shunt release + Auxiliary contact MX+OF	415V	AC/DC: 220~380V 110~220V	240	0.7~1.1	
		AC/DC: 24~48V	120		

Under-voltage & Over-voltage Release technical parameters

Accessory name	Rated working voltage Ue	Trip voltage	Diagram
Over-voltage and under-voltage release MV+MN	AC230V	Under-voltage: 170V±5% Over-voltage: 270V±5%	
	AC380V	Under-voltage: 300V±5% Over-voltage: 460V±5%	

Modular DIN Rail
YCB9-63 MCB



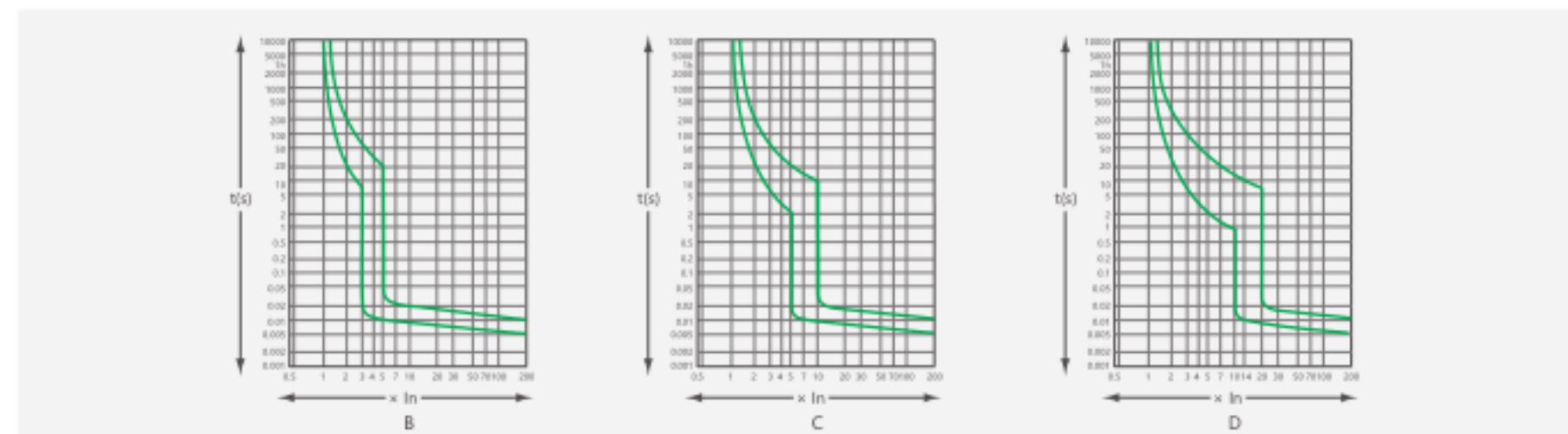
General

1. Overload protection
2. Short circuit protection
3. Controlling
4. Used in residential building, non-residential building, energy source industry and infrastructure.
5. According to the type of instantaneous release classified as follows : type B(3-5)In, type C(5-10)In, type D(10-20)In

Release

Type	Test current	Tripping time	Expected result	Type	Test current	Tripping time	Expected result
B,C,D	1.13In	t ≤ 1h(In ≤ 63A)	Not tripping	B	3In	t ≤ 0.1s	Not tripping
	1.13In	t ≤ 2h(In > 63A)		C	5In	t ≤ 0.1s	
B,C,D	1.45In	t < 1h(In ≤ 63A)	Tripping	D	10In	t ≤ 0.1s	Tripping
	1.45In	t < 2h(In > 63A)		B	5In	t < 0.1s	
B,C,D	2.55In	1s < t < 60s(In ≤ 32A)	Tripping	C	10In	t < 0.1s	Tripping
	2.55In	1s < t < 120s(In > 32A)		D	20In	t < 0.1s	

Curve

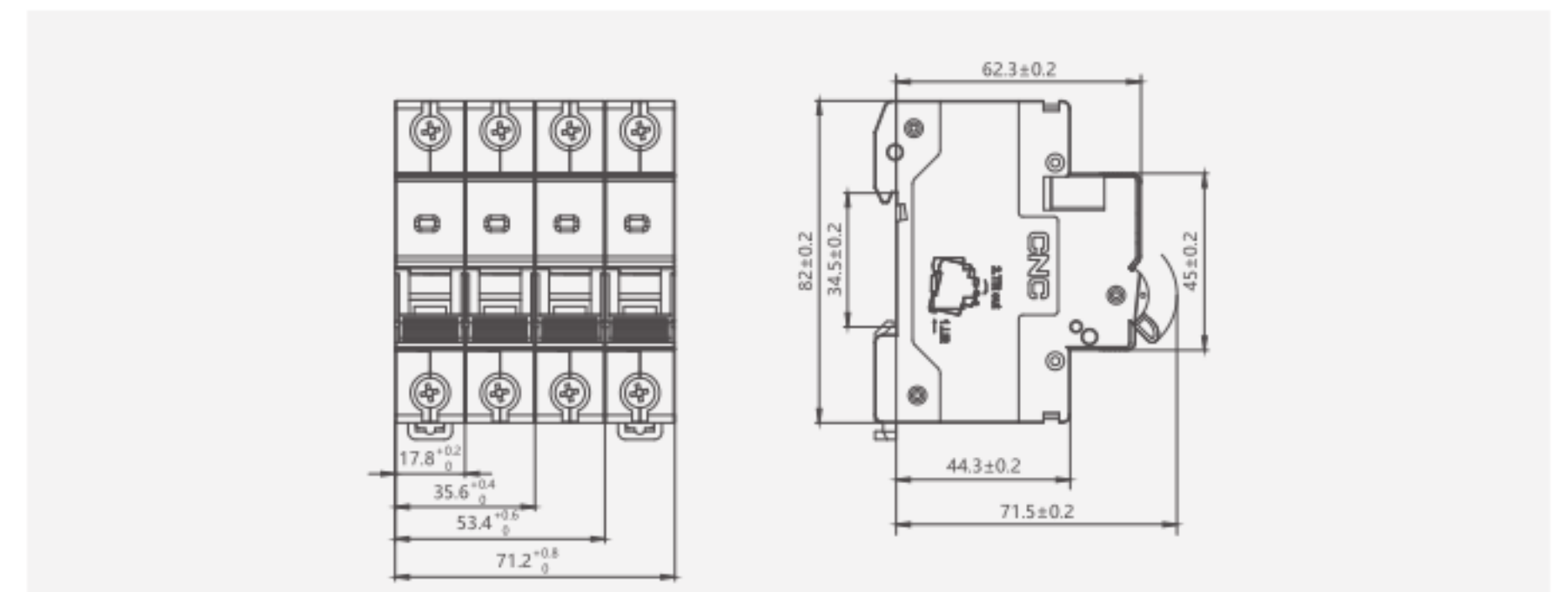


Modular DIN Rail
YCB9-63 MCB

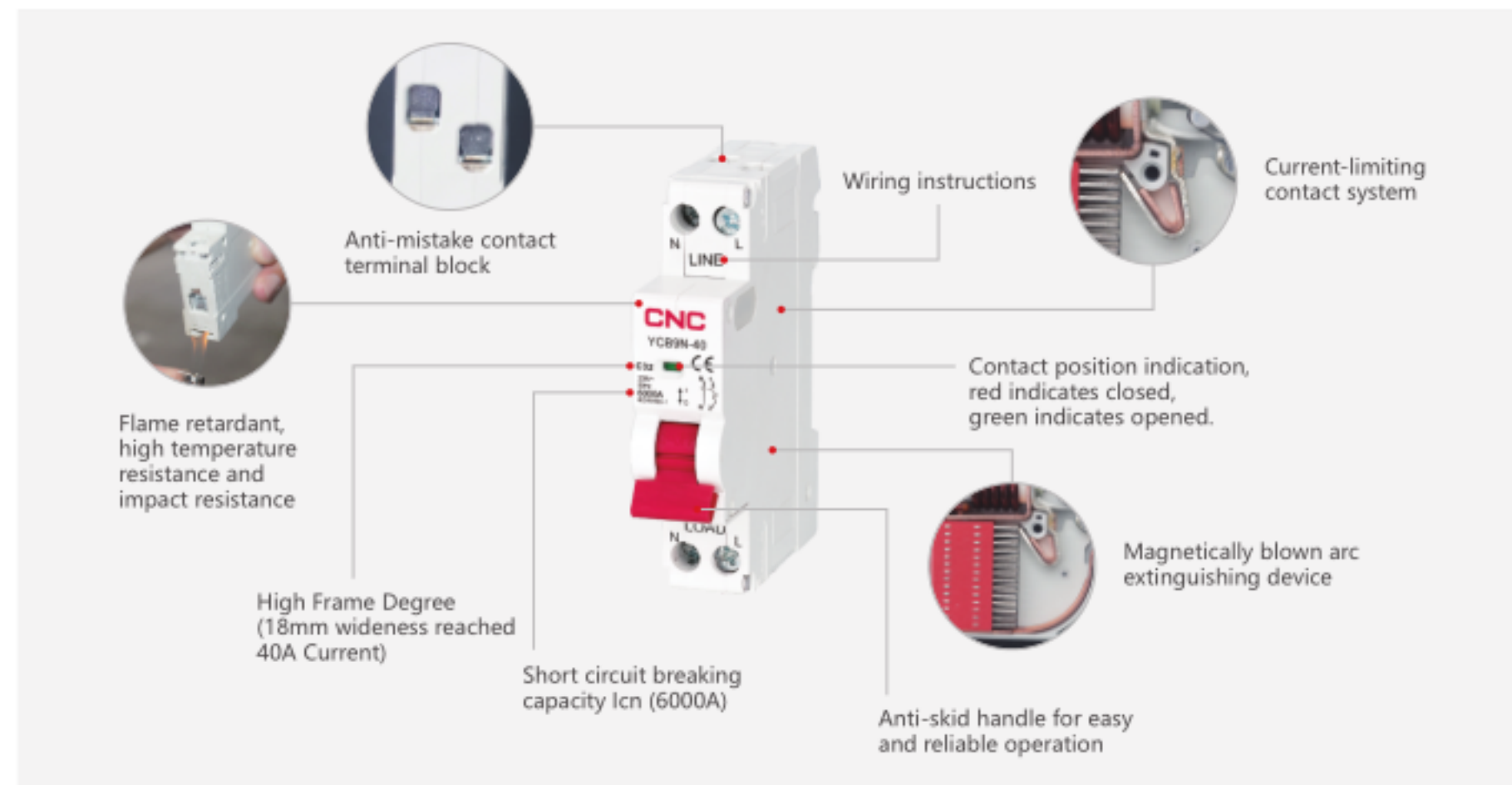
Specifications

Type	Standard		IEC/EN 60898-1
Electrical features	Rated current In	A	1, 2, 4, 6, 10, 16, 20, 25, 32, 40, 50, 63
	Poles	P	1, 2, 3, 4
	Rated voltage Ue	V	230/400
	Insulation voltage Ui	V	500
	Rated frequency	Hz	50/60
	Rated breaking capacity	A	4500,6000
	Rated impulse withstand voltage(1.2/50)Uimp	V	6000
	Dielectric test voltage at ind. Freq. for 1min	kV	2
	Pollution degree		2
	Thermo-magnetic release characteristic		B, C, D
Mechanical features	Electrical life	t	8000
	Mechanical life	t	20000
	Protection degree		IP20
	Reference temperature for setting of thermal element	°C	30
	Ambient temperature (with daily average ≤ 35°C)	°C	-5~+40
Storage temperature	°C	-25~+70	
Installation	Terminal connection type		Cable/Pin-type busbar
	Terminal size top / bottom for cable	mm ²	25
		AWG	18-3
	Terminal size top / bottom for busbar	mm ²	25
		AWG	18-3
	Tightening torque	N*m	2
		In-lbs	18
Mounting		On DIN rail EN 60715(35mm)by means of fast clip device	
Connection		From top and bottom	

Overall and mounting dimensions(mm)



Modular DIN Rail
YCB9N-40 MCB DPN



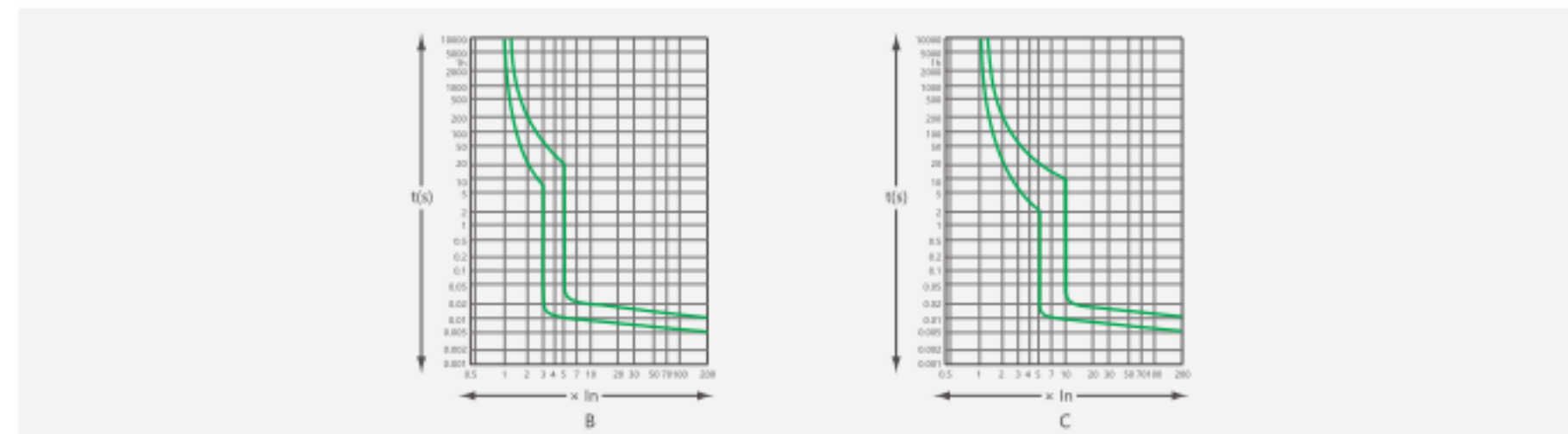
General

1. Overload protection
2. Short circuit protection
3. Controlling
4. Used in residential building, non-residential building, energy source industry and infrastructure.
5. According to the type of instantaneous release classified as follows: type B(3-5)In, type C(5-10)In

Release

Type	Test current	Tripping time	Expected result	Type	Test current	Tripping time	Expected result
B,C	1.13In	t ≤ 1h(In ≤ 63A)	Not tripping	B	3In	t ≤ 0.1s	Not tripping
	1.13In	t ≤ 2h(In > 63A)					
B,C	1.45In	t < 1h(In ≤ 63A)	Tripping	C	5In	t ≤ 0.1s	Tripping
	1.45In	t < 2h(In > 63A)					
B,C	2.55In	1s < t < 60s(In ≤ 32A)	Tripping	B	5In	t < 0.1s	Tripping
	2.55In	1s < t < 120s(In > 32A)					
				C	10In	t < 0.1s	

Curve

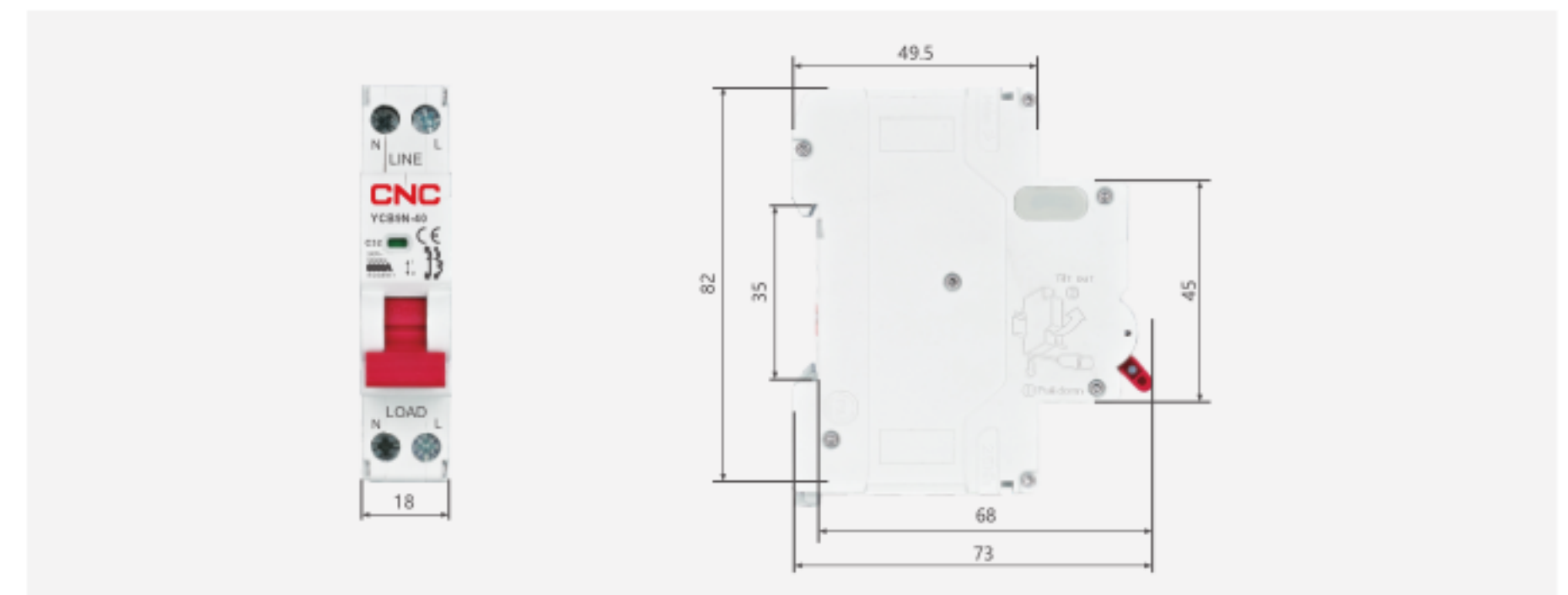


Modular DIN Rail
YCB9N-40 MCB DPN

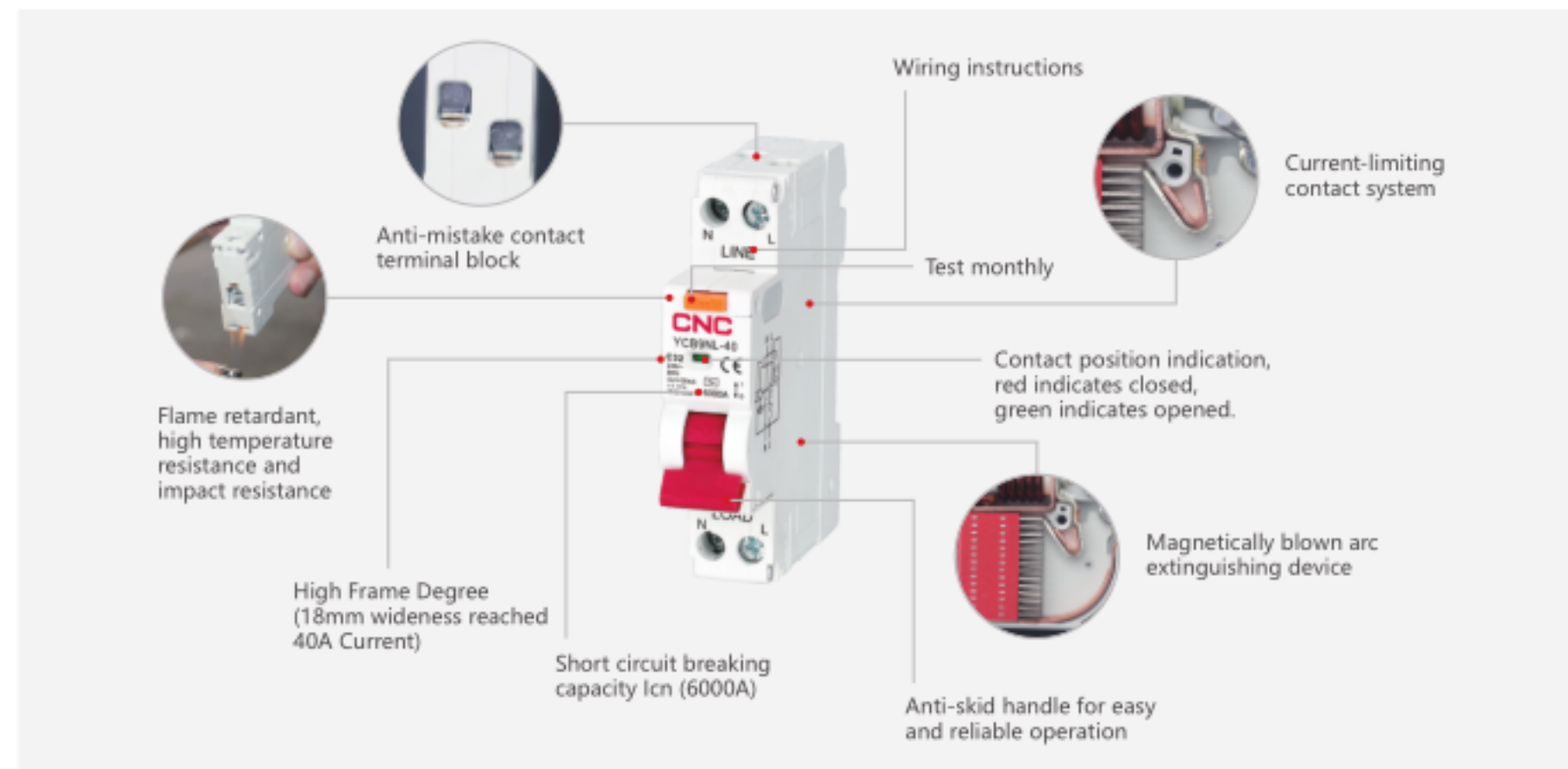
Specifications

Type	Standard		IEC/EN 60898-1
Electrical features	Rated current In	A	6, 10, 16, 20, 25, 32, 40
	Poles	P	1P+N
	Rated voltage Ue	V	230
	Insulation voltage Ui	V	500
	Rated frequency	Hz	50/60
	Rated breaking capacity	A	6000
	Rated impulse withstand voltage(1.2/50)Uimp	V	4000
	Dielectric test voltage at ind. Freq. for 1min	kV	2
	Pollution degree		2
	Thermal-magnetic release characteristic		B, C, D
Mechanical features	Electrical life	t	8000
	Mechanical life	t	20000
	Protection degree		IP20
	Reference temperature for setting of thermal element	°C	30
	Ambient temperature (with daily average ≤ 35°C)	°C	-5 ~ +40
Storage temperature	°C	-25 ~ +70	
Installation	Terminal connection type		Cable/Pin-type busbar
	Terminal size top / bottom for cable	mm ²	16
		AWG	18-5
	Terminal size top / bottom for busbar	mm ²	10
		AWG	18-5
	Tightening torque	N*m	2
		In-lbs	18
Mounting		On DIN rail EN 60715(35mm)by means of fast clip device	
Connection		From top and bottom	

Overall and mounting dimensions(mm)



YCB9NL-40 RCBO Electronic



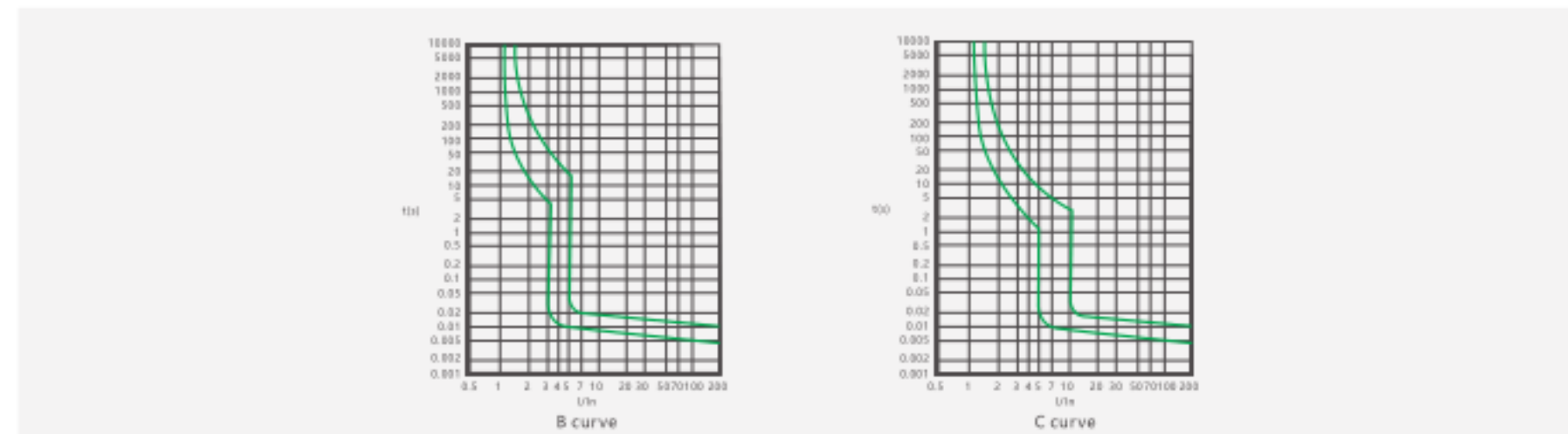
General

1. Protection against overload and short-circuit currents
2. Protection against the effects of sinusoidal alternating earth fault currents
3. Protection against indirect contacts and additional protection against direct contacts.
4. Protection against fire hazard caused by insulation faults
5. Used in residential building
6. According to the type of instantaneous release classified as follows : type B(3-5) I_n , type C(5-10) I_n

Release

Type	Test current	Tripping time	Expected result	Type	Test current	Tripping time	Expected result
B,C	1.13 I_n	$t \leq 1h(I_n \leq 63A)$	Not tripping	B	3 I_n	$t \leq 0.1s$	Not tripping
	1.13 I_n	$t \leq 2h(I_n > 63A)$					
B,C	1.45 I_n	$t < 1h(I_n \leq 63A)$	Tripping	C	5 I_n	$t \leq 0.1s$	Tripping
	1.45 I_n	$t < 2h(I_n > 63A)$					
B,C	2.55 I_n	$1s < t < 60s(I_n \leq 32A)$	Tripping	B	5 I_n	$t < 0.1s$	Tripping
	2.55 I_n	$1s < t < 120s(I_n > 32A)$					
				C	10 I_n	$t < 0.1s$	

Curve

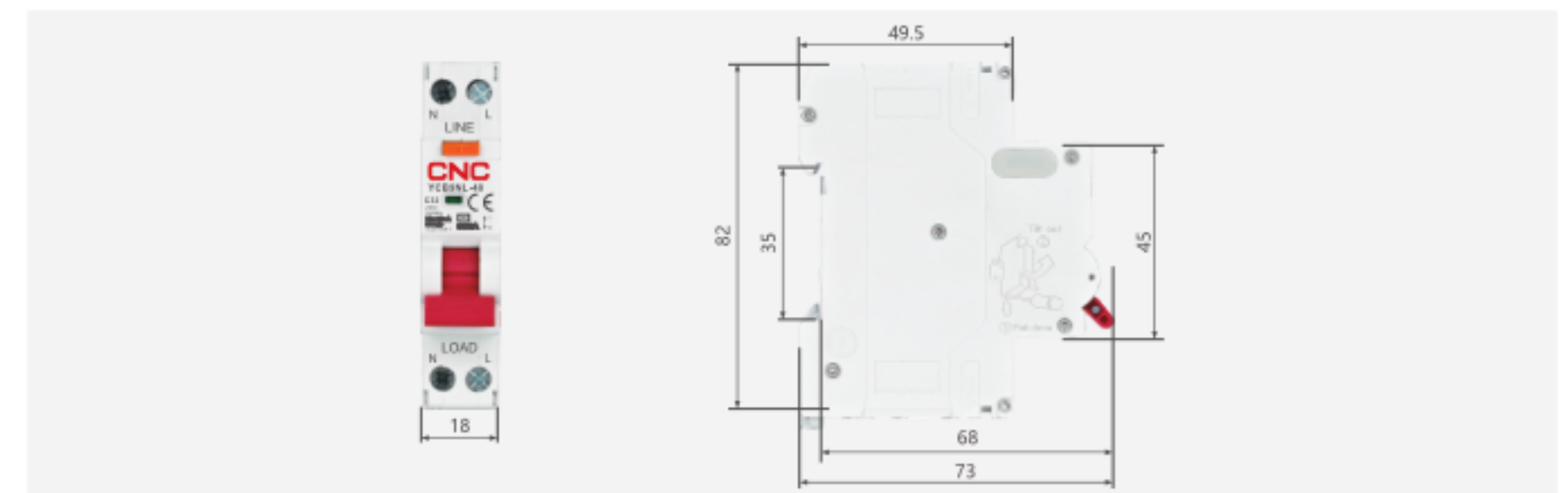


YCB9NL-40 RCBO Electronic

Specifications

Type	Standard		IEC/EN 61009-1
Electrical features	Poles	P	1P+N
	Type(wave form of the earth leakage sensed)		AC
	Thermal-magnetic release characteristic		B, C, D
	Rated current I_n	A	6, 10, 16, 20, 25, 32, 40
	Rated voltage U_e	V	230
	Rated sensitivity $I_{\Delta n}$	A	0.03, 0.05, 0.1
	Rated residual making and breaking capacity $I_{\Delta m}$	A	500($I_n \leq 40A$) 630($I_n > 40A$)
	Rated short-circuit capacity I_{cn}	A	6000
	Break time under $I_{\Delta n}$	s	≤ 0.1
	Rated frequency	Hz	50/60
	Rated impulse withstand voltage(1.2/50) U_{imp}	V	4000
	Dielectric test voltage at ind.Freq.for 1min	kV	2
	Insulation voltage U_i	V	500
	Pollution degree		2
Mechanical features	Electrical life	t	4000
	Mechanical life	t	10000
	Contact position indicator		Yes
	Protection degree		IP20
	Ambient temperature(with daily average $\leq 35^\circ C$)	$^\circ C$	-5 ~ +40
Storage temperature	$^\circ C$	-25 ~ +70	
Installation	Terminal connection type		Cable/Pin-type busbar
	Terminal size top/bottom for cable	mm ²	16
		AWG	18-5
	Terminal size top/bottom for busbar	mm ²	10
		AWG	18-5
	Tightening torque	N*m	2
		In-lbs	18
Mounting		On DIN rail EN60715(35mm)by means of fast clip device	
Connection		From top	

Overall and mounting dimensions(mm)



YCB9L-40 RCBO Electromagnetic

A



General

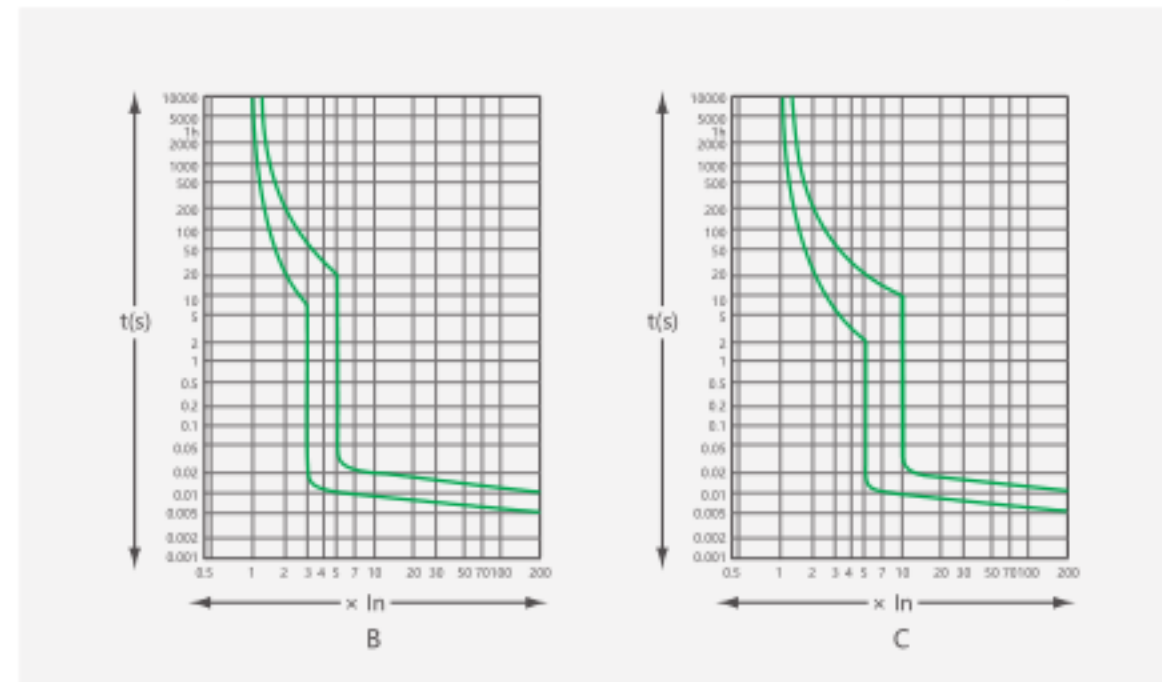
1. Protection against overload and short-circuit currents
2. Protection against the effects of sinusoidal alternating earth fault currents
3. Protection against indirect contacts and additional protection against direct contacts.
4. Protection against fire hazard caused by insulation faults
5. Used in residential building
6. According to the type of instantaneous release classified as follows: type B(3-5)I_n, type C(5-10)I_n

Release

Type	Test current	Tripping time	Expected result
B,C	1.13I _n	t ≤ 1h(I _n ≤ 63A)	Not tripping
	1.13I _n	t ≤ 2h(I _n > 63A)	
B,C	1.45I _n	t < 1h(I _n ≤ 63A)	Tripping
	1.45I _n	t < 2h(I _n > 63A)	
B,C	2.55I _n	1s < t < 60s(I _n ≤ 32A)	Tripping
	2.55I _n	1s < t < 120s(I _n > 32A)	
B	3I _n	t ≤ 0.1s	Not tripping
C	5I _n	t ≤ 0.1s	
B	5I _n	t < 0.1s	Tripping
C	10I _n	t < 0.1s	

Curve

B,C Curve



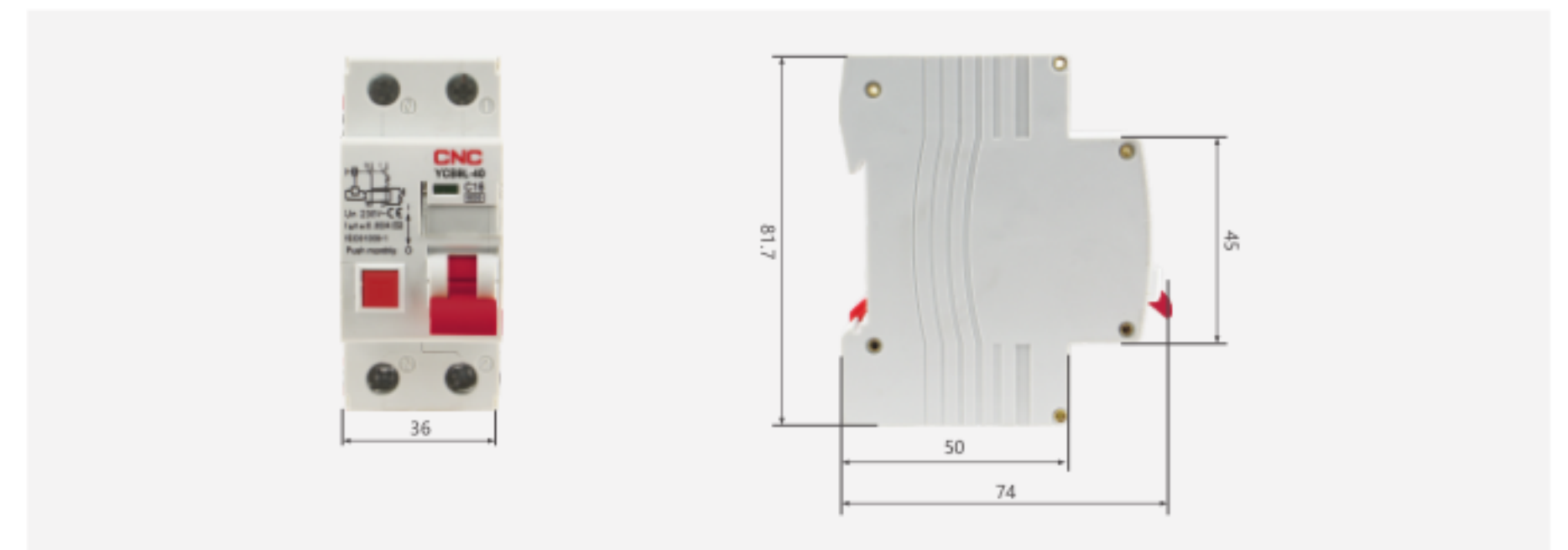
YCB9L-40 RCBO Electromagnetic

A

Specifications

Type	Standard	IEC/EN 61009-1	
Electrical features	Leakage type	Electromagnetic type	
	Rated current I _n	A	6, 10, 16, 20, 25, 32, 40
	Type (wave form of the earth leakage sensed)		A, AC
	Poles	P	1P+N
	Rated voltage U _e	V	230
	Insulation voltage U _i	V	500
	Rated frequency	Hz	50/60
	Rated breaking capacity I _{cn}	A	6000
	Rated impulse withstand voltage (1.2/50) U _{imp}	V	4000
	Dielectric test voltage at ind. Freq. for 1min	kV	2
	Rated sensitivity IΔ _n	A	0.03, 0.05, 0.1
	Break time under IΔ _n	s	≤ 0.1
	Rated residual making and breaking capacity IΔ _m	A	500
Mechanical features	Pollution degree		2
	Electrical life	t	4000
	Mechanical life	t	8000
	Protection degree		IP20
	Storage temperature	°C	-25~+70
	Ambient temperature (with daily average ≤ 35°C)	°C	-5~+40
Installation	Terminal connection type		Cable/U-type bar/Pin-type busbar
	Terminal size top / bottom for cable	mm ²	16
		AWG	18-5
	Terminal size top / bottom for busbar	mm ²	16
		AWG	18-5
	Tightening torque	N*m	1.2
		In-lbs	11
Mounting		On DIN rail EN 60715(35mm)by means of fast clip device	
Connection		From top and bottom	

Overall and mounting dimensions(mm)



YCB9HL-63 RCBO Electromagnetic

A



General

1. Protection against overload and short-circuit currents
2. Protection against the effects of sinusoidal alternating earth fault currents
3. Protection against indirect contacts and additional protection against direct contacts.
4. Protection against fire hazard caused by insulation faults
5. Used in residential building
6. According to the type of instantaneous release classified as follows: type B(3-5)I_n, type C(5-10)I_n

YCB9HL-63 RCBO is a combined structure, the N pole is on the right side of the product. It has the following characteristics:

Without auxiliary power supply, it overcomes the defects of electronic products; poor anti-interference, be greatly affected by power grid voltage fluctuation and can't be protected if the neutral line is disconnected;

Test circuit is dynamic controlled, and the test resistance is not easy to burn;

N pole contact can be opened and closed separately, with isolation function;

The impulse withstand voltage between L pole and N pole can reach up to 6000V;

The impulse withstand voltage between L pole, N pole and the metal support can reach up to 8000V;

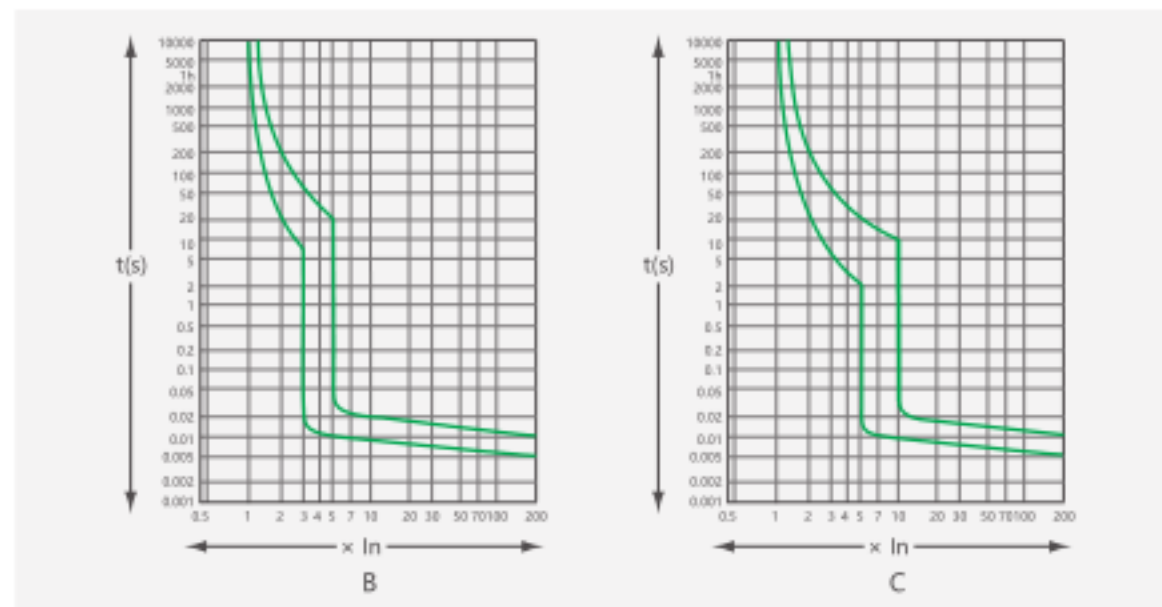
Under the impact current of 200A, it has the ability to bear, and does not cause misoperation.

Release

Type	Test current	Tripping time	Expected result
B,C	1.13I _n	t ≤ 1h (I _n ≤ 63A)	Not tripping
	1.13I _n	t ≤ 2h (I _n > 63A)	
B,C	1.45I _n	t < 1h (I _n ≤ 63A)	Tripping
	1.45I _n	t < 2h (I _n > 63A)	
B,C	2.55I _n	1s < t < 60s (I _n ≤ 32A)	Tripping
	2.55I _n	1s < t < 120s (I _n > 32A)	
B	3I _n	t ≤ 0.1s	Not tripping
C	5I _n	t ≤ 0.1s	
B	5I _n	t < 0.1s	Tripping
C	10I _n	t < 0.1s	

Curve

B,C Curve



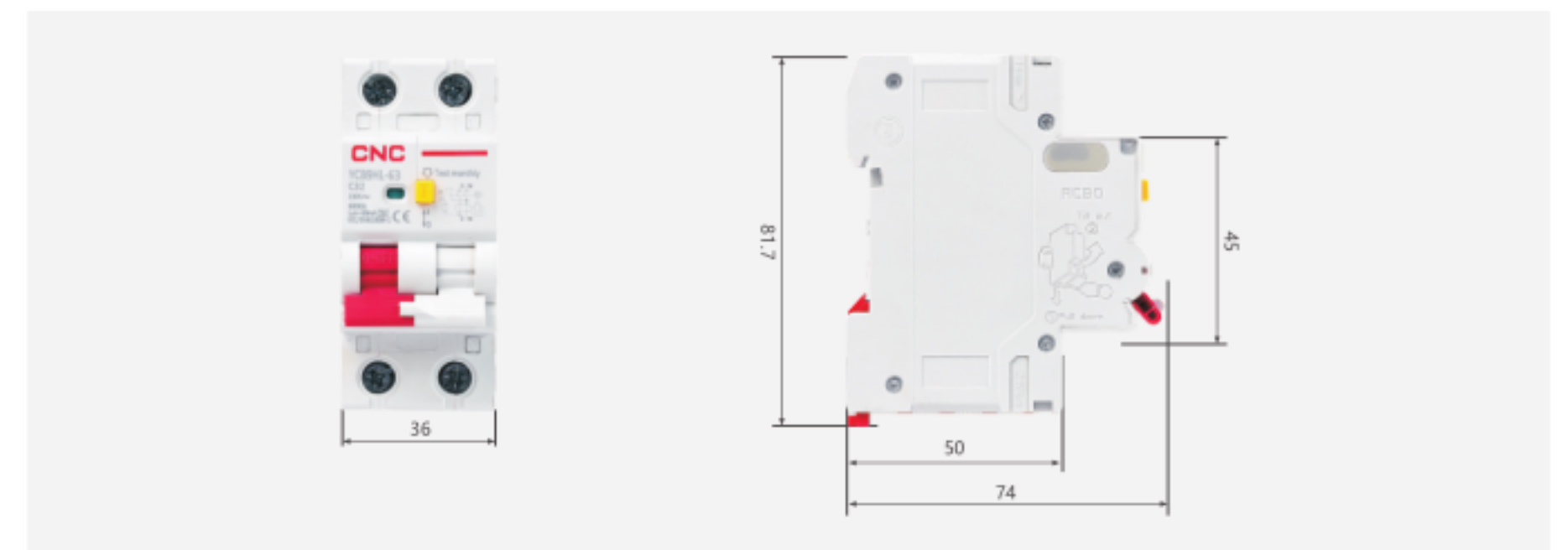
YCB9HL-63 RCBO Electromagnetic

A

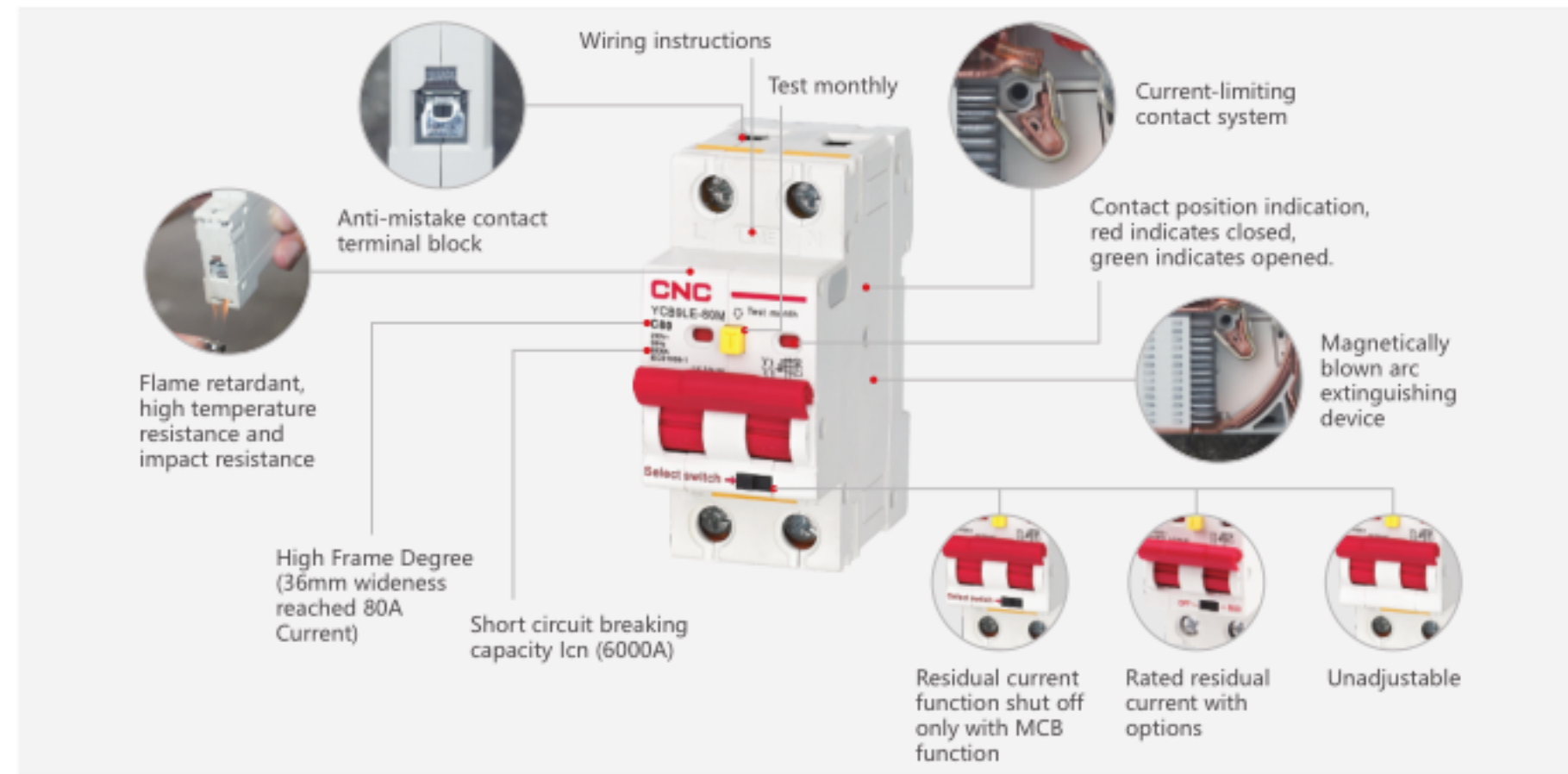
Specifications

Type	Standard	IEC/EN 61009-1	
Electrical features	Leakage type	Electromagnetic type	
	Rated current I _n	A	6, 10, 16, 20, 25, 32, 40, 50, 63
	Type (wave form of the earth leakage sensed)		A, AC
	Poles	P	1P+N
	Rated voltage U _e	V	230
	Insulation voltage U _i	V	500
	Rated frequency	Hz	50/60
	Rated breaking capacity I _{cn}	A	6000
	Rated impulse withstand voltage (1.2/50) U _{imp}	V	4000
	Dielectric test voltage at ind. Freq. for 1min	kV	2
	Rated sensitivity IΔn	A	0.03, 0.05, 0.1
	Break time under IΔn	s	≤ 0.1
	Mechanical features	Rated residual making and breaking capacity IΔm	A
Pollution degree			2
Electrical life		t	4000
Mechanical life		t	8000
Protection degree			IP20
Storage temperature		°C	-25~+70
Ambient temperature (with daily average ≤ 35°C)	°C	-5~+40	
Installation	Terminal connection type		Cable/U-type bar/Pin-type busbar
	Terminal size top / bottom for cable	mm ²	16
		AWG	18-5
	Terminal size top / bottom for busbar	mm ²	16
		AWG	18-5
	Tightening torque	N*m	1.2
		In-lbs	11
Mounting		On DIN rail EN 60715(35mm) by means of fast clip device	
Connection		From top and bottom	

Overall and mounting dimensions(mm)



YCB9LE-80M RCBO Electronic



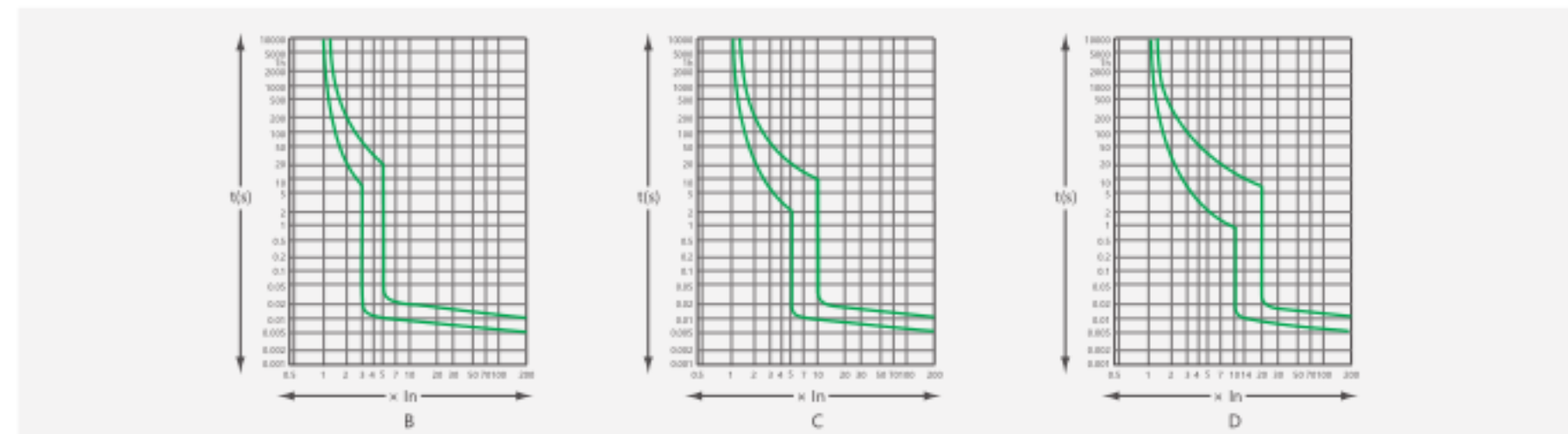
General

1. Protection against overload and short-circuit currents
2. Protection against the effects of sinusoidal alternating earth fault currents
3. Protection against indirect contacts and additional protection against direct contacts.
4. Protection against fire hazard caused by insulation faults
5. Used in residential building
6. According to the type of instantaneous release classified as follows : type B(3-5)In, type C(5-10)In, type D(10-20)In

Release

Type	Test current	Tripping time	Expected result	Type	Test current	Tripping time	Expected result
B,C,D	1.13In	t ≤ 1h (In ≤ 63A)	Not tripping	B	3In	t ≤ 0.1s	Not tripping
	1.13In	t ≤ 2h (In > 63A)		C	5In	t ≤ 0.1s	
B,C,D	1.45In	t < 1h (In ≤ 63A)	Tripping	D	10In	t ≤ 0.1s	Tripping
	1.45In	t < 2h (In > 63A)		B	5In	t < 0.1s	
B,C,D	2.55In	1s < t < 60s (In ≤ 32A)	Tripping	C	10In	t < 0.1s	Tripping
	2.55In	1s < t < 120s (In > 32A)		D	20In	t < 0.1s	

Curve

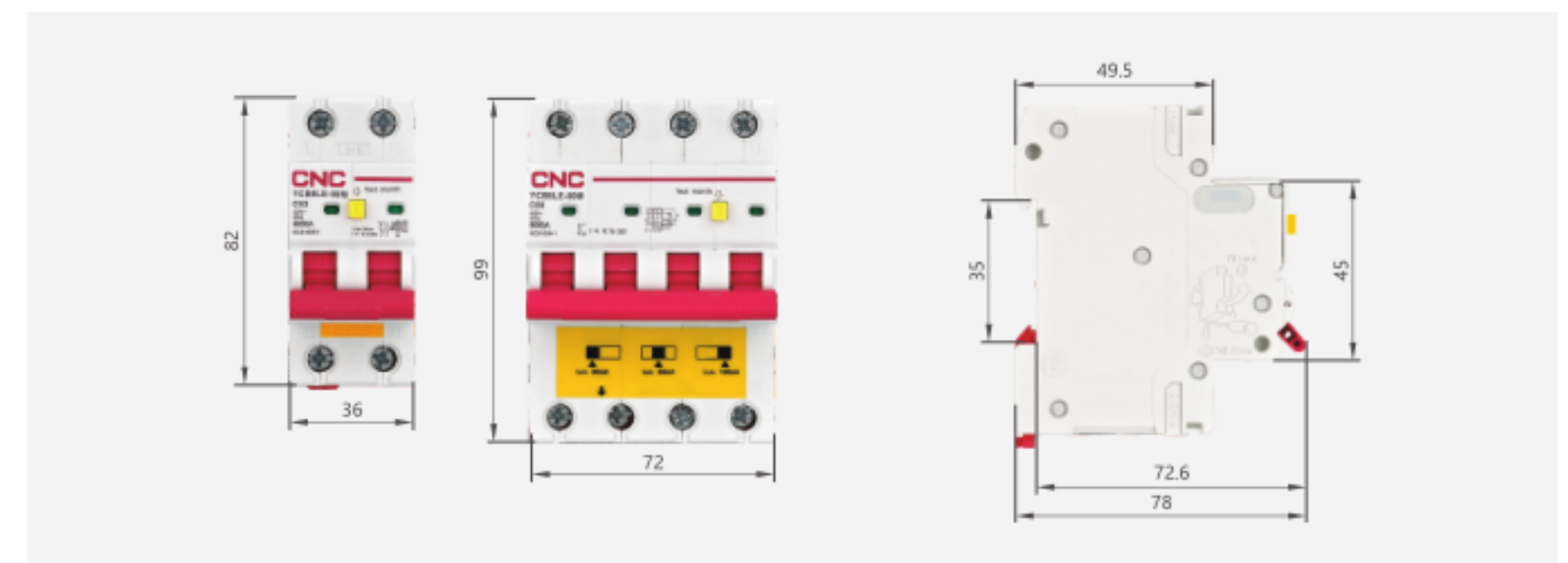


YCB9LE-80M RCBO Electronic

Specifications

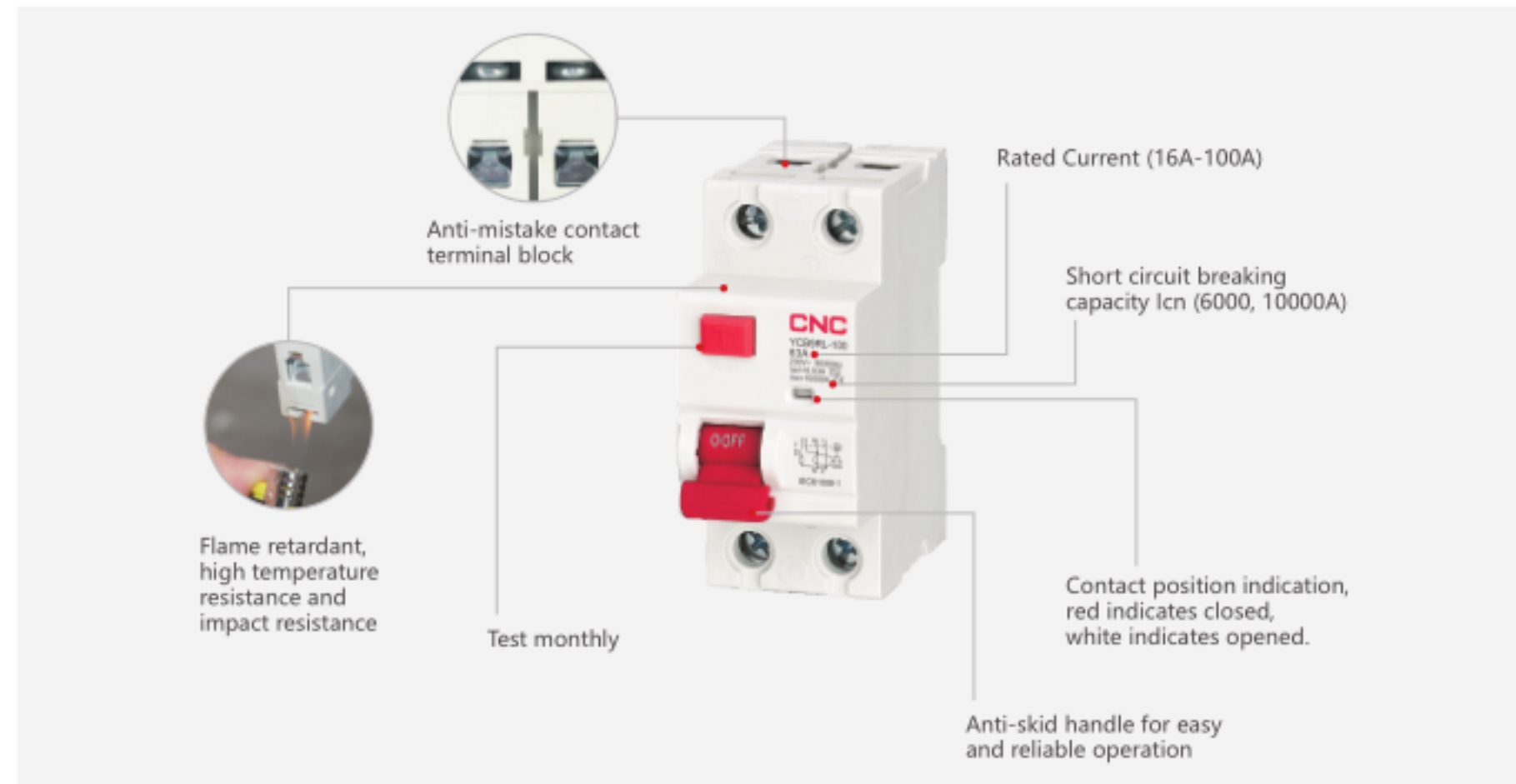
Type	Standard		IEC/EN 61009-1
Electrical features	Poles	P	2, 4
	Type(wave form of the earth leakage sensed)		A/AC
	Thermo-magnetic release characteristic		B, C, D
	Rated current In	A	1, 2, 3, 4, 6, 10, 16, 20, 25, 32, 40, 50, 63, 80
	Rated voltage Ue	V	230/400
	Rated sensitivity IΔn	A	0.03, 0.05, 0.1, 0.2
	Rated residual making and breaking capacity IΔm	A	500(In ≤ 40A) 630(In > 40A)
	Rated short-circuit capacity Icn	A	6000
	Break time under IΔn	s	≤ 0.1
	Rated frequency	Hz	50/60
	Rated impulse withstand voltage(1.2/50)Uimp	V	4000
	Dielectric test voltage at ind.Freq.for 1min	kV	2
	Insulation voltage Ui	V	500
	Pollution degree		3
Mechanical features	Electrical life	t	4000
	Mechanical life	t	10000
	Contact position indicator		Yes
Connection and Installation	Protection degree		IP20
	Connection capacity	mm ²	1~35
	Circumstance temperature	°C	-25~+70
	Elevation	m	≤ 2000
	Pollution degree		3
	Terminal connection type		Cable/Pin-type busbar
	Installation Environment		No obvious vibration and shock
	Installation category		III
	Mounting		On DIN rail EN60715(35mm)by means of fast clip device
	Connection		From top

Overall and mounting dimensions(mm)



YCB9RL-100 RCCB Electromagnetic

A



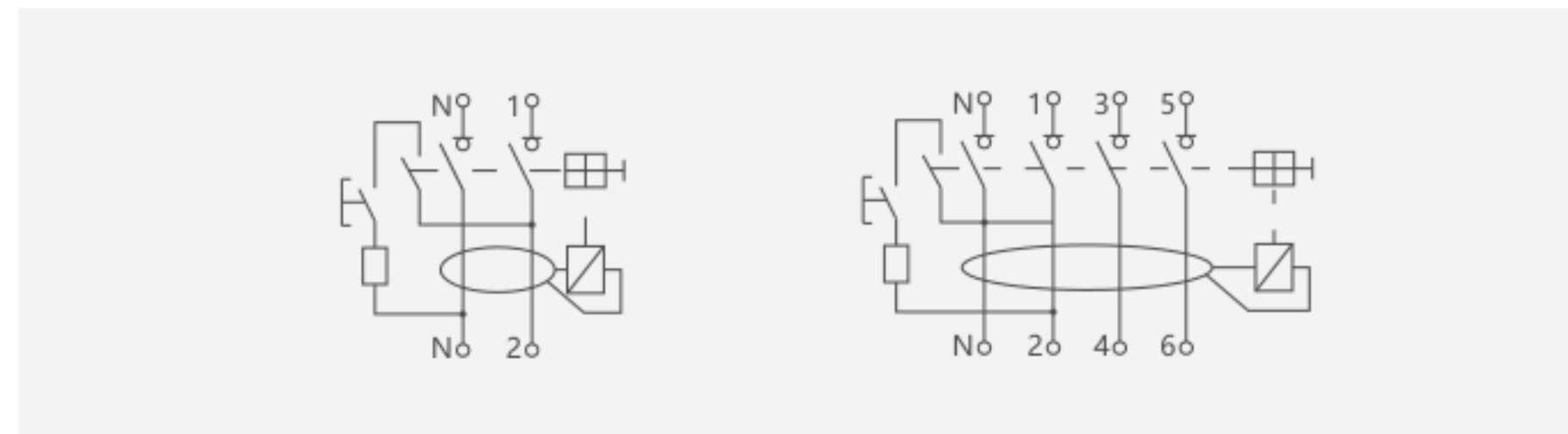
General

1. Protection against the effects of sinusoidal alternating earth fault currents
2. Protection against indirect contacts and additional protection against direct contacts
3. Protection against fire hazard caused by insulation faults
4. Controlling and Switching
5. Used in residential building, non-residential building, energy sources, industry and infrastructure

Release

Type		Tripping sensitivity data	
AC	For residual sinusoidal alternating currents	30mA	For personnel, material and fire protection, as well as for protection against direct contact
A	For residual sinusoidal alternating currents and residual pulsating direct currents	100mA	For providing protection against indirect contacts
S	For selectivity, with time delay	300mA	For providing fire protection in case of insulation faults

Wiring Diagram

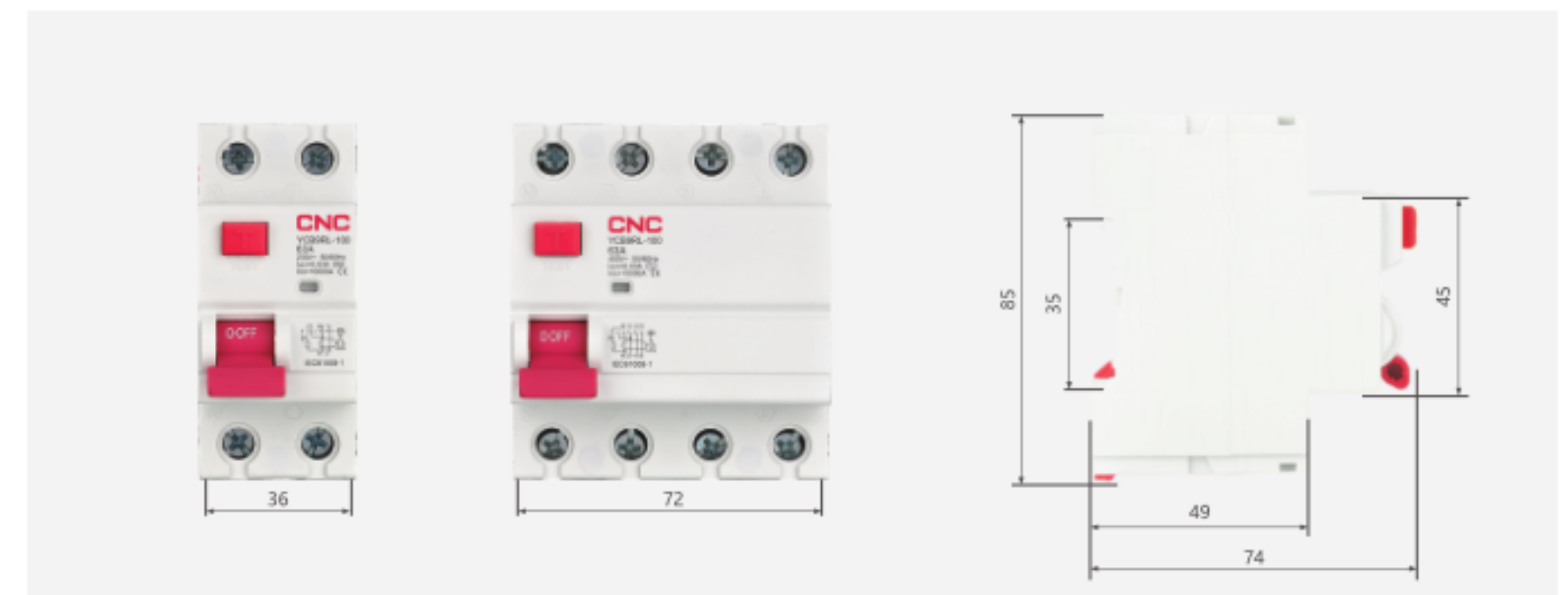


YCB9RL-100 RCCB Electromagnetic

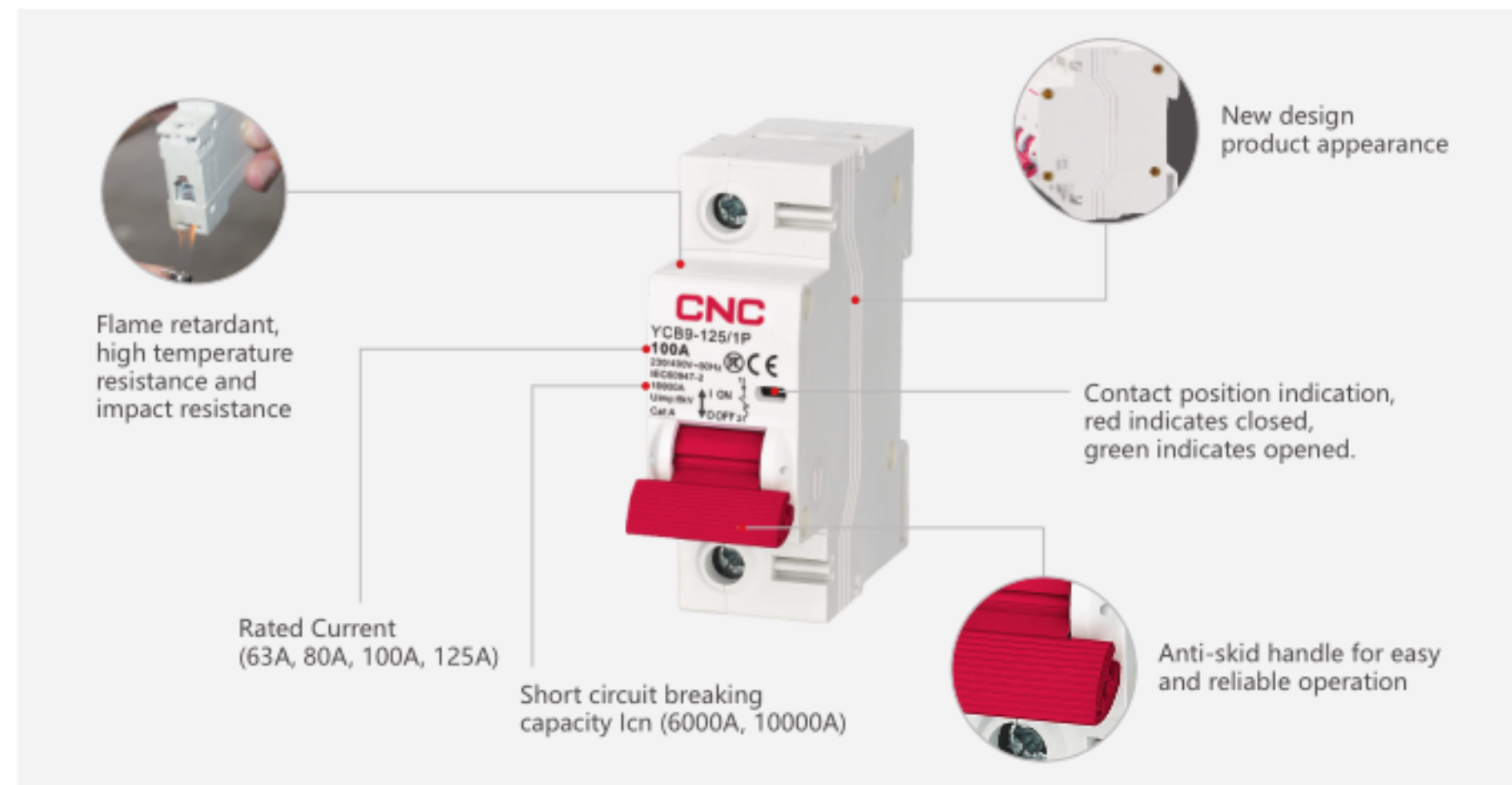
Specifications

Type	Standard	IEC/EN 61008-1
Electrical features	Leakage type	Electromagnetic type
	Rated current In	A
	Type (wave form of the earth leakage sensed)	A, AC
	Poles	P
	Rated voltage Ue	V
	Insulation voltage Ui	V
	Rated frequency	Hz
	Rated breaking capacity Inc=IΔc	A
	Rated impulse withstand voltage (1.2/50) Uimp	V
	Dielectric test voltage at ind. Freq. for 1min	kV
	Rated sensitivity IΔn	A
	Rated residual making and breaking capacity IΔm	A
	Pollution degree	
Mechanical features	Electrical life	t
	Mechanical life	t
	Protection degree	
	Storage temperature	°C
	Ambient temperature (with daily average ≤35°C)	°C
Installation	Terminal connection type	
	Terminal size top / bottom for cable	mm ²
		AWG
	Terminal size top / bottom for busbar	mm ²
		AWG
	Tightening torque	N*m
		In-lbs
Mounting		
Connection		

Overall and mounting dimensions(mm)



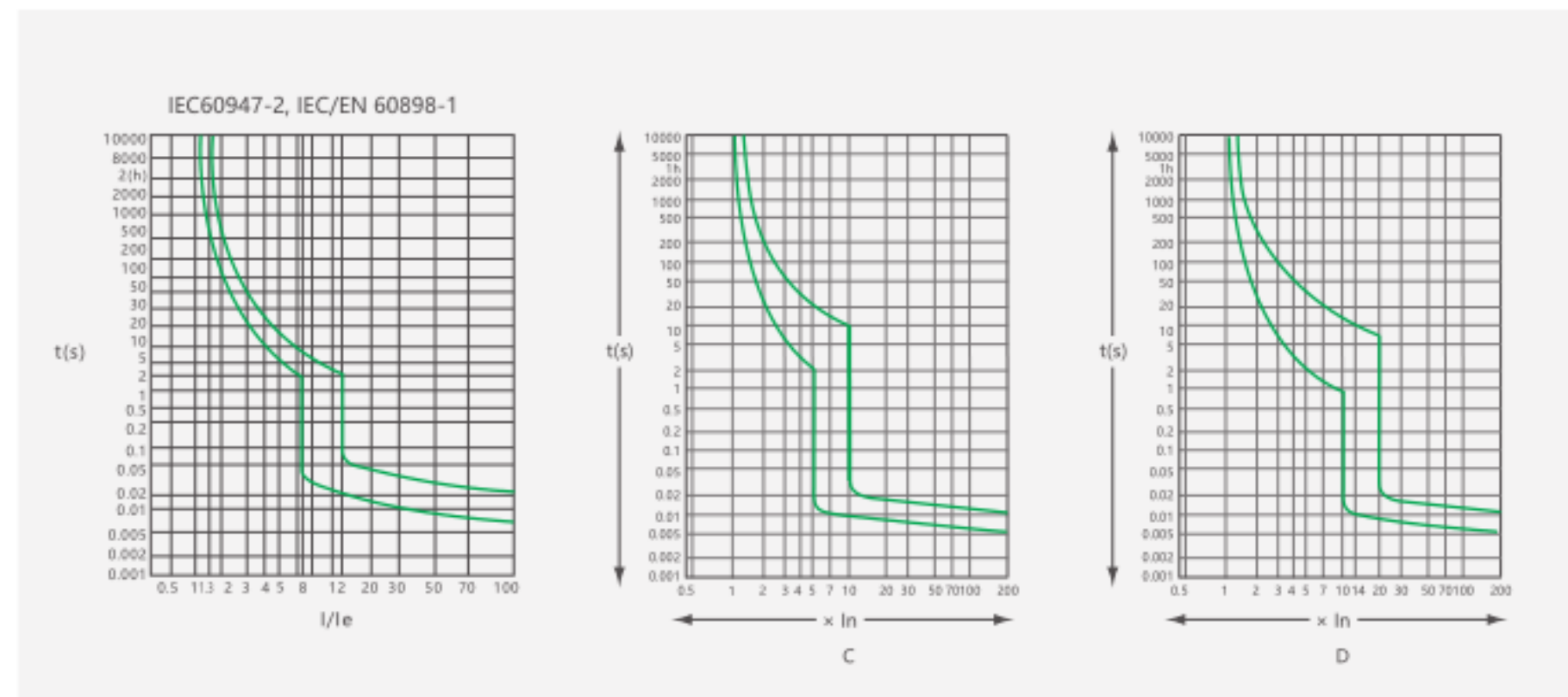
Modular DIN Rail
YCB9-125 MCB



General

1. Overload protection
2. Short circuit protection
3. Controlling
4. Used in residential building, non-residential building, energy source industry and infrastructure.

Curve

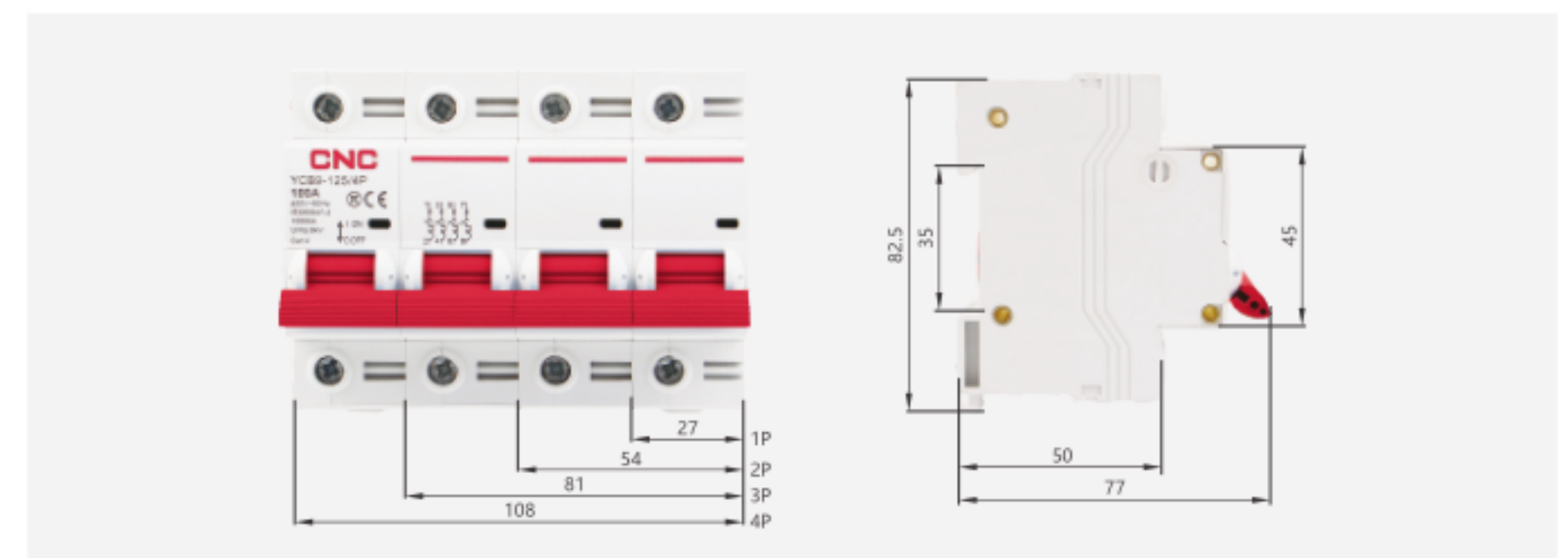


Modular DIN Rail
YCB9-125 MCB

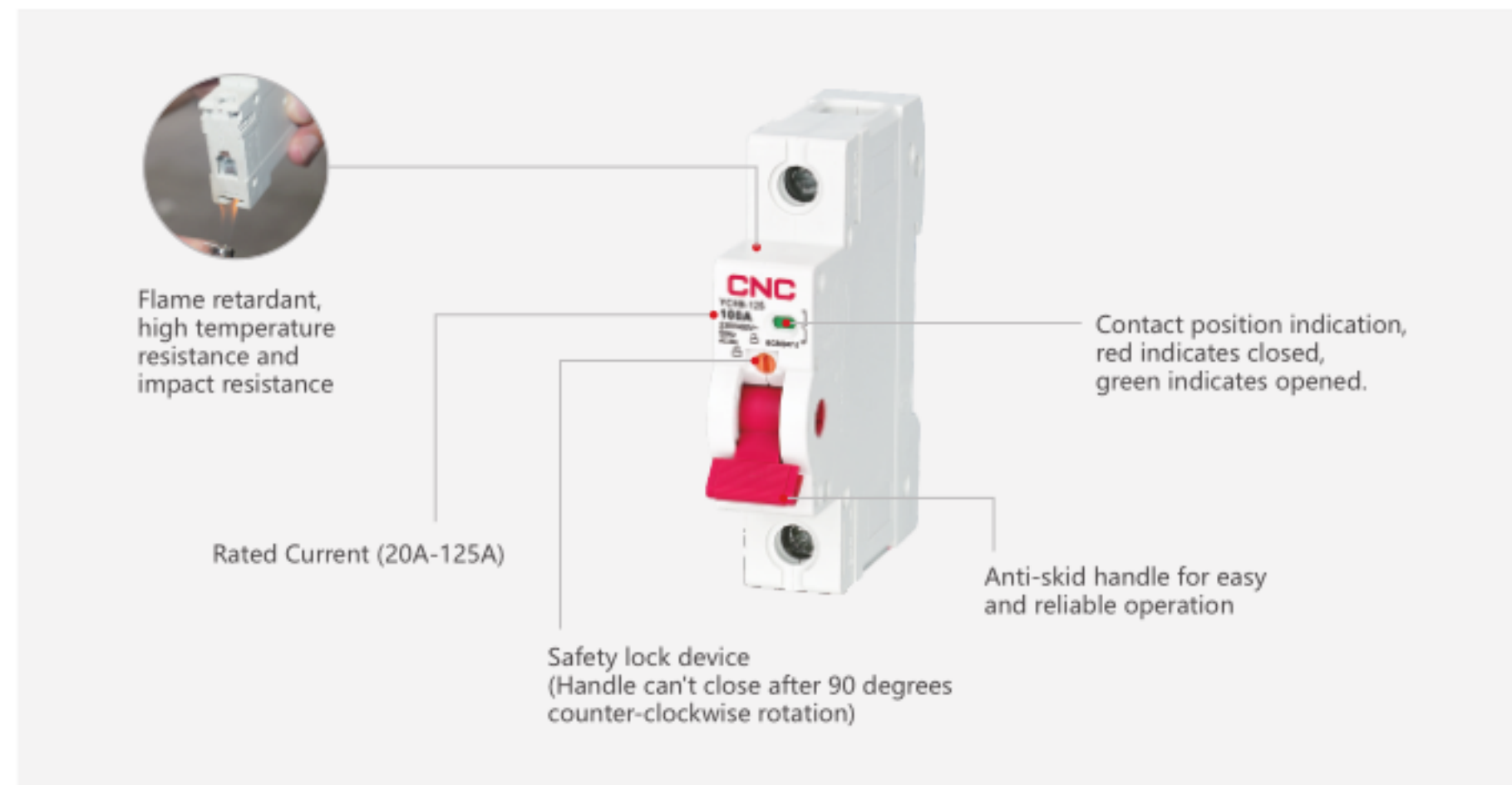
Specifications

Type	Standard	IEC60947-2	IEC/EN 60898-1	
Electrical features	Rated current In	A	63, 80, 100, 125	
	Poles	P	1, 2, 3, 4	
	Rated voltage Ue	V	230/400	
	Insulation voltage Ui	V	500	
	Rated frequency	Hz	50/60	
	Rated breaking capacity	A	6000	
	Rated impulse withstand voltage(1.2/50) Uimp	V	6000, 10000	
	Dielectric test voltage at ind. Freq. for 1min	kV	2.5	
	Pollution degree		3	
	Thermo-magnetic release characteristic		8-12In	B, C,D
Mechanical features	Electrical life	t	1500	
	Mechanical life	t	10000	
	Contact position indicator		Yes	
	Protection degree		IP20	
	Reference temperature for setting of thermal element		30	
	Ambient temperature (with daily average ≤35°C)	°C	-5~+40(Special application please refer to temperature compensation correction)	
	Storage temperature	°C	-25~+70	
Installation	Terminal connection type	°C	Cable/Pin-type busbar	
	Terminal size top / bottom for cable	mm ²	50	
		AWG	18-1/0	
	Terminal size top / bottom for busbar	mm ²	50	
		AWG	18-1/0	
	Tightening torque	N*m	3.5	
		ln-lbs	31	
Mounting		On DIN rail EN60715(35mm)by means of fast clip device		
Connection		From top and bottom		

Overall and mounting dimensions(mm)



YCH9-125 Isolating Switch



Products Overview

YCH9-125 series isolating switch is suitable in the resistive circuit of AC 50/60HZ, rated voltage 230/400V, rated current up to 125A. It's used primarily for circuit's turning on or off in non-load ed situation. And it functions on connection and isolation between lines and power, especially suitable to isolate power effectively and prevent circuit breaker from closing accidentally when maintain the circuit in order to ensure the safe operation of maintainer.

Product standard: IEC600947-3

Normal Operating Conditions

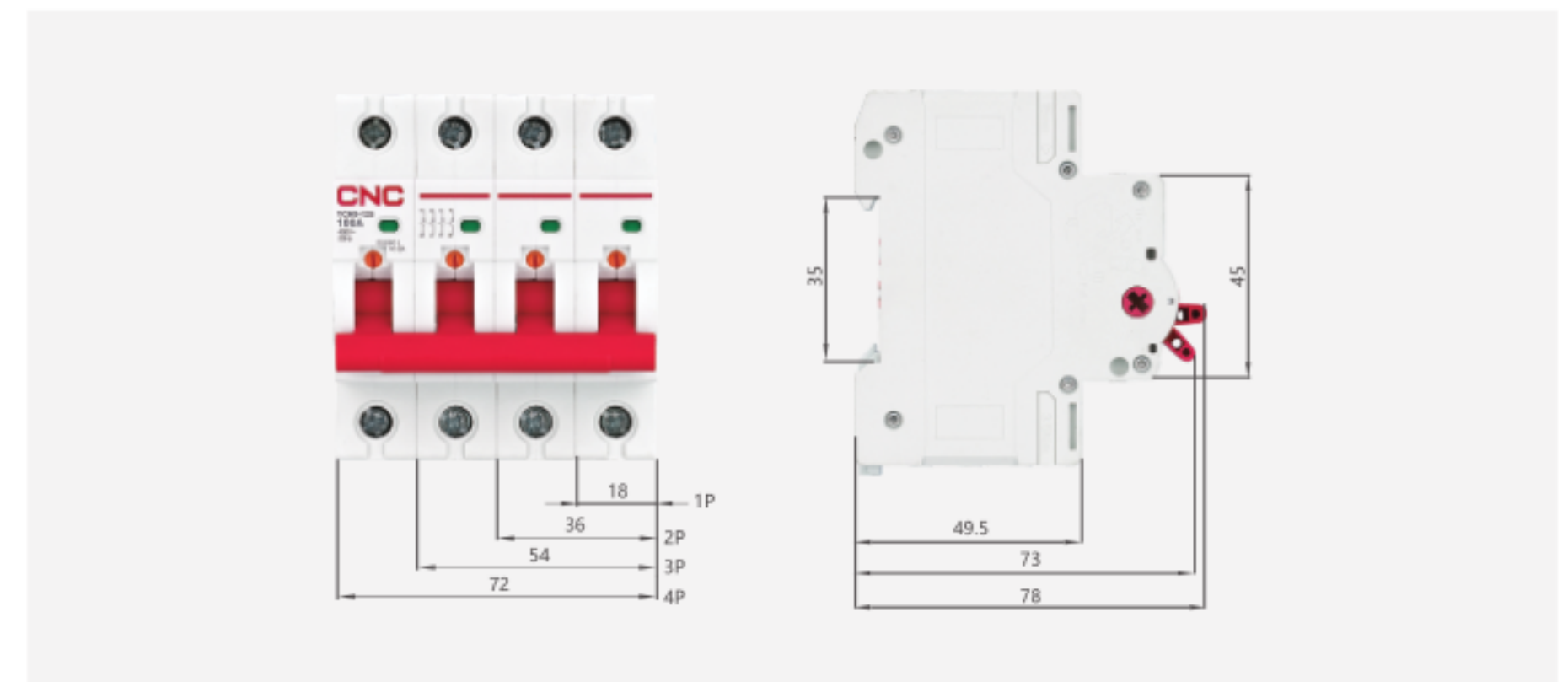
1. Ambient Temperature: -25°C~+60°C
2. Altitude: Not higher than 2000m
3. Use Category: AC-22A
4. Installation Method: Embedded vertical standard rail mounting
5. Wiring Method: Clamp connection wire with screw, tightening torque 2.5N.m

YCH9-125 Isolating Switch

Specifications

Type	Standard		IEC/EN 60947-3
Electrical features	Poles	P	1, 2, 3, 4
	Rated voltage U_e	V	230/400
	Rated current I_e	A	20,32,40,63, 80,100,125
	Rated frequency	Hz	50/60
	Rated impulse withstand voltage(1.2/50)U _{imp}	V	4000
	Rated short-time withstand current I_{cw}		12I _e , 1s
	Rated making and breaking capacity		3I _e , 1.05U _e , cosΦ=0.65
	Rated short circuit making capacity		20I _e , t=0.1s
	Dielectric test voltage at ind.Freq.for 1min	kV	2.5
	Insulation voltage U_i	V	500
Mechanical features	Pollution degree		2
	Electrical life	t	1500
	Mechanical life	t	8500
	Protection degree		IP20
Installation	Terminal size top/bottom for cable and pin-type busbar	mm ²	50
		AWG	18-1/0

Overall and mounting dimensions(mm)



YCB9ZF-100AP,100W Smart Circuit Breaker

A



Seiko design, Cloud control, GPRS connection, small volume, High breaking ability, flameresistant material, Energy conservation and environment protection, International standard, All-round service.




- Data monitoring
- Fault alarm, protection
- Centralized management
- Analysis of energy consumption
- Portable barrier remover
- Handle dangerous situations anytime and anywhere
- Remote control
- Rights management
- The regional search
- Data report
- Remote location + diagnosis

35 Powerful Features

Comprehensively protect the safety of human electricity

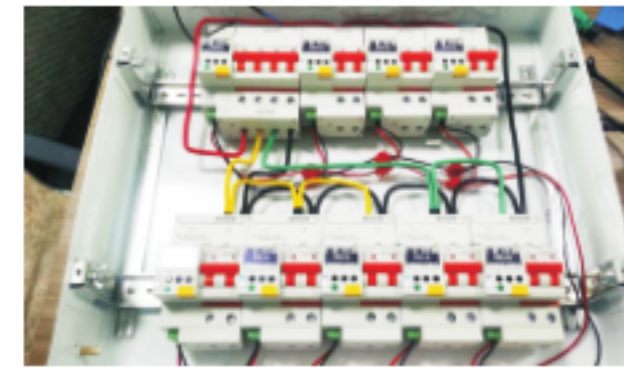
- Local + remote integrated control
- Local + remote leakage self-check
- Operation record can be checked
- Electrical fire factor monitoring
- Fault early warning
- Fault location/fault alarm
- Tripping protection
- Over undervoltage protection
- Overload protection
- Over temperature protection
- Open phase protection
- Voltage/current imbalance
- Fault phase protection
- Preventing electricity-stolen
- Maintenance and overhauls closed by mistake
- Current limit
- Scene mode
- Line timing
- Rights management
- Automatic reclosing
- Generate report analysis automatically
- Local + remote locking
- The leakage protection current can be adjusted
- Custom warning thresholds
- Short circuit protection
- Power contrast
- Troubleshooting advice
- Fault cause recording
- Conditional linkage control
- Centralized management
- Power factor calculation
- Historical data import
- Electricity statistics
- Chart simulation display
- Status indication



			
Multi-function instrument	Contactor	Leakage protection circuit breaker	Electrical fire monitoring detector
			
Electric meter	The circuit breaker	Intelligent lighting module	Over undervoltage protector
			
Temperature sensor	Residual current transformer	Current transformer	Time switch

YCB9ZF-100AP,100W Smart Circuit Breaker

A



Product Description

The Changeover Switch can switch on, Load and break the circuit under normal conditions, using as Switch Disconnectors.

Standard: IEC 60947-5-1

Basic functions and features

- OLED lattice LIQUID crystal display has long life and good low temperature characteristics;
- Can be set as a communication gateway, through the ontology 485 interface for the branch small current switch combination networking;
- It integrates multiple protection functions such as over voltage, under voltage, missing phase, wrong phase, loss of voltage, overload, short circuit, leakage, temperature, voltage/current imbalance, over power, under power, anti-power theft and so on into one, and supports early warning in accordance with the preset proportion;
- Multiple functions can be closed, alarm, trip any combination, more widely applicable;
- Support 12 months frozen electric energy and 7 days frozen electric energy query, let the remote energy management more convenient;
- Electric parameters such as active power, reactive power, apparent power and power factor are supported for collection and uploading;
- Support positive and negative energy statistics.
- RS485 in non-gateway mode supports DL/T-645/Modbus protocol and automatic conversion;
- Support external dry contact control, cabinet door control;
- Support multiple groups of any time timer control closing, opening operation, so that the control more arbitrary;
- Multi-component modular design, optional collocation, more flexible use
- Remote wireless communication technology, supporting 2G, 4G, Ethernet, wifi, Bluetooth, MQTT and other communication modes;
- Operation event alarm event failure event real-time reporting, so that you can know your equipment running state anytime and anywhere; The alarm can be accompanied by a buzzer prompt, and can be muted remotely or locally, making the device alarm more intelligent;
- Support a variety of remote OTA upgrade mode, so that equipment upgrade maintenance no longer trouble;
- Hundreds of local event records (power on, power off) are stored, which can be checked at any time for accident cause analysis;
- The clock is timed and synchronized on the cloud to ensure the accuracy of event recording time. The daily error is no more than 1S in the case of no network;
- Real-time statistics of the number of events can focus on frequent abnormal, support switching display in Chinese and English;

YCB9ZF-100AP,100W Smart Circuit Breaker



15 Advantages



- Maintenance safety lock: greatly ensure the personal safety of maintenance personnel;
- Protection against electric theft cover plate: it can effectively prevent electric theft, private cable, etc.
- Independent power supply design: it can effectively prevent the whole system from being paralyzed and unable to work;
- 1.3 inch OLED display design: Provide more intuitive man-machine operation interface for maintenance personnel;
- modular design: optional collocation, more flexible use;;
- High accuracy: voltage and current detection accuracy level 0.5, power accuracy level 1.0;
- The overall function of the circuit breaker saves the characteristics of the miniature circuit breaker;
- Flexible choice of communication mode, can also do gateway use;
- Flexible choice of function shutdown, alarm and tripping protection mode;
- A variety of remote upgrade mode, so that users upgrade maintenance no longer trouble;
- Power off protection design: After the power off of the main circuit, the data can be saved and uploaded without loss;
- Automatic judgment and analysis of fault causes and operation events, display log, convenient for maintenance and troubleshooting;
- The functions of load imbalance, missing phase, wrong phase and over temperature protection greatly ensure the aging of equipment and lines, and ensure the safety of electricity use;
- Timing switch function: guarantee the timing switch of equipment, guarantee energy consumption and save electricity;
- The leakage action protection is sensitive. Different leakage protection values can be set according to the use environment.

Usage and Precautions

- This product RS485 is a standard configuration communication port. It can be connected to computers and various communication devices through RS485 to USB converter to realize information exchange and control;
- The default baud rate of the system is 9600bps. You can check and set the required Baud rate in the setting communication menu.
- Network GPRS product, before use, you must insert SIM card, can through GPRS or gateway, router connection to the server to achieve Internet information exchange or remote control;
- Real-time query and analysis of all kinds of electricity consumption data and view the history, statistics and settlement of electricity consumption on a monthly basis;
- The product installation must be carried out by professional electricians;
- Products can be customized according to user needs, contact the relevant technical personnel.

YCB9ZF-100AP,100W Smart Circuit Breaker


Main technical parameters

Item	YCB9ZF-100AP	YCB9ZF-100W
Product		
Pol.	1P+N,3P+N	1P,2P,3P,4P
Rated voltage	Single-phase AC230V, 50/60Hz; Three-phase AC440V, 50/60Hz	
Rated current	32A,63A, 100A	
Residual operating current	30-500mA	
Short circuit breaking capacity	Icn=lcs=6kA	
Mechanical life	More than 20000 times	
Electrical life	More than 6000 times	
Action time	Leakage action less than 100ms; Closing time is less than 1.5s and opening time is less than 1S	
Protection grade	IP20	
Operating environment temperature	40 °C~70 °C	
Principle of action process	<p>Under normal condition of voltage leakage:</p> <p>If the device is in the state of breaking, the device will not close automatically, but can only close remotely by controlling the device end or manually by local operation. If the device is in the closing state, the device will not open automatically, but can only close remotely by controlling the device end or manually open by local operation.</p> <p>Under abnormal voltage leakage:</p> <p>If the equipment is in the closing state, the equipment will automatically open, and voltage is changed to normal. If the leakage self-check is not normal, the equipment will continue to open automatically once. After troubleshooting, manually operate locally or remotely control the closing. If the device is in the opening state at this time, the device will not close automatically. After the voltage returns to normal, the device needs to be manually operated locally or remotely controlled to close.</p>	
Remove lock	After manual on-site troubleshooting, remove the safety lock, push back the safety lock lever, and try to manually operate the closing and opening button once. Is the closing successful? If the closing is not successful, check whether the equipment is in arrears or other circumstances to perform the opening;	
Safety lock	After manual on-site troubleshooting, remove the safety lock, push back the safety lock lever, and try to manually operate the closing and opening button once. Is the closing successful? When the safety lock lever is not pulled out, the equipment is in operation mode: when the safety lock is pulled out, the equipment is in maintenance mode and can be repaired only after padlock is needed. The safety lock and the mechanical structure of the circuit breaker can not be closed even if manually or remotely controlled, so as to ensure the personal safety of the maintenance personnel.	

Modular DIN Rail

YCB9ZF-100AP,100W Smart Circuit Breaker


Main technical parameters

Item	Data
Product	
Thermo-magnetic release characteristic	C type (Other types can be customized)
Rated current In	63A,100A
Rated short-circuit capacity Icn	6kA
Short-circuit protection	When there is short circuit fault, it can trip within 100ms
Leakage protection	When there is leakage fault, it can trip within 100ms
Leakage protection value	30~500mA can be set freely
The leakage self-inspection	According to the actual use, can set the day, hour and minute
Over and under voltage protection	When there is over or under voltage fault, it can trip after 3s(0~99s can be set); over-voltage set value:250~320V; under-voltage set value:100~200V
On-delay	When there is power, the switch will be automatically closed,0~99s can be set
Rated current setting	1A~1In
Overload delay protection	0~99s can be set
Over temperature protection	0~120°C can be set, OFF-delay time 0~99s can be set
Under power	The amount of load change can be set, OFF-delay time 0~99s can be set
Over power	The amount of load change can be set, OFF-delay time 0~99s can be set
Power limit	Reach limit power, OFF-delay time 3s,(0~99s can be set)
Timing control	5 groups of times can be set
Imbalance	Percentage can be set for both voltage and current, OFF-delay time 0~99s can be set
Record	Locally queried 680 switch event logs
Display	Chinese and English Menu
Operation times	Record various operation times of circuit breaker to determine whether the circuit breaker is within its effective life
Maintain	Set self check, device reset, power reset, record reset, synchronize clock, restart device, restore system default, etc
Check	Local view of voltage, current, leakage current, temperature, active power, reactive power, apparent power, power factor, cumulative electricity, daily electricity (view 7-day record)
Manual automatic integrated control	Mobile phone APP or PC control, can be controlled by the button, can also be controlled through the handle
Cover plate, pull rod	It has the function of preventing electricity-stolen, maintenance and overhauls closed by mistake.
Communication mode	RS485 standard; 4G,WIFI,NB,RJ45 optional
Remote Software Upgrade	According to the actual situation, customized procedures to achieve remote update and upgrade
The following functions can be set to open, close, alarm or trip functions	overvoltage protection, undervoltage protection, overload protection, automatic closing, power off protection, remote control, open cover protection, under load protection, over power protection, under power protection, early warning function, timing self - check, warning allowed,gear return, high temperature protection, timing control, open phase protection, fault phase protection, voltage imbalance, current imbalance

Modular DIN Rail

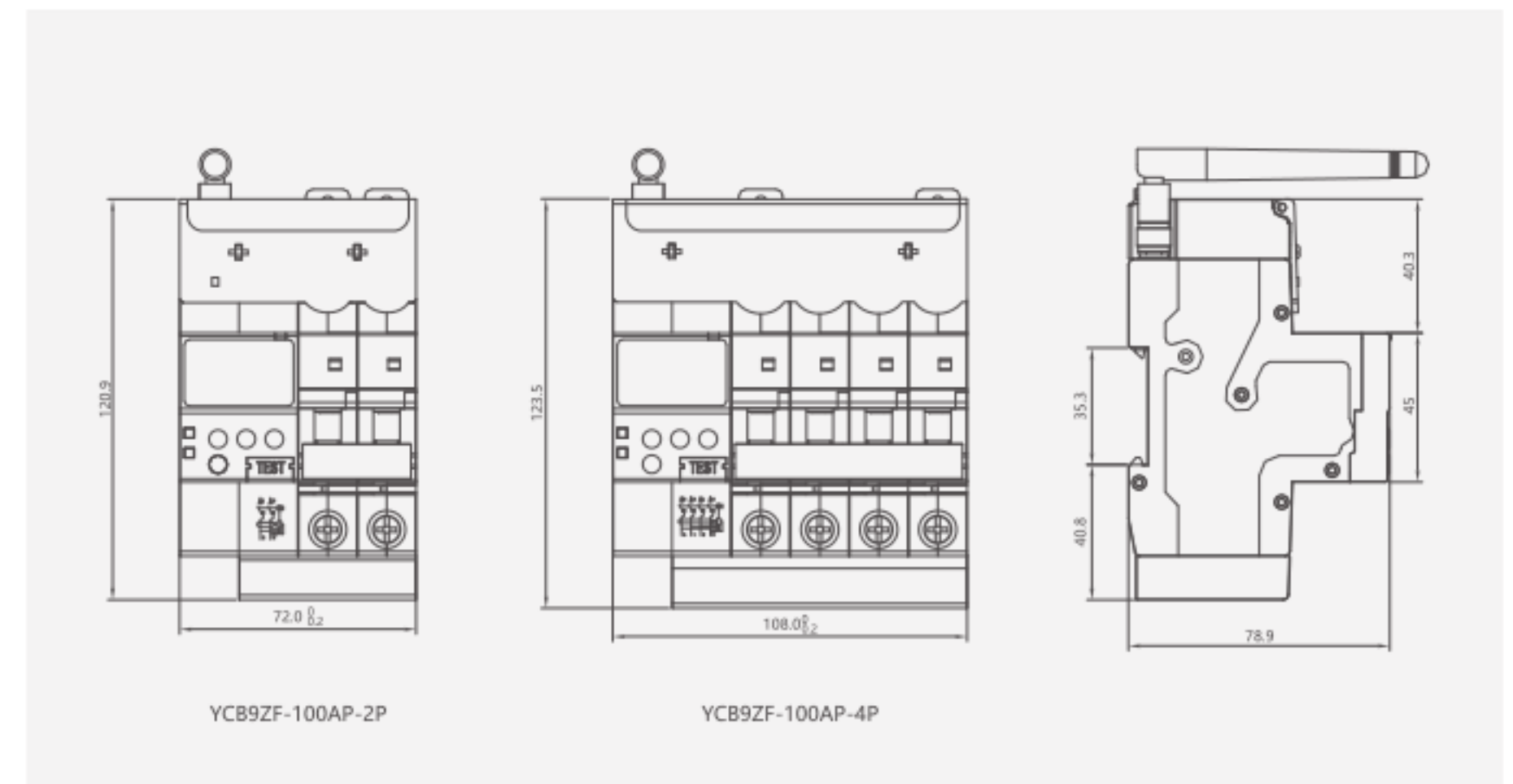
YCB9ZF-100AP,100W Smart Circuit Breaker

Main technical parameters

Item	Data
Product	
Thermo-magnetic release characteristic	C type (Other types can be customized)
Rated current In	16A,20A,25A,32A,40A,50A,63A,80A,100A
Rated short-circuit capacity Icn	6kA
Short-circuit protection	When there is short circuit fault, it can trip within 100ms
Over and under voltage protection	When there is over or under voltage fault, it can trip after 3s(0~99s can be set); Percentage can be set for over and under voltage
Overload delay protection	according to rated current, meet standard IEC 60898-1 requirement
Timing control	Set according to requirements
Check	The voltage and switching status can be checked through the APP on the phone
Manual automatic integrated control	Mobile phone APP control, can also be controlled through the handle
Communication mode	Wireless WIFI

Outline and installation dimensions

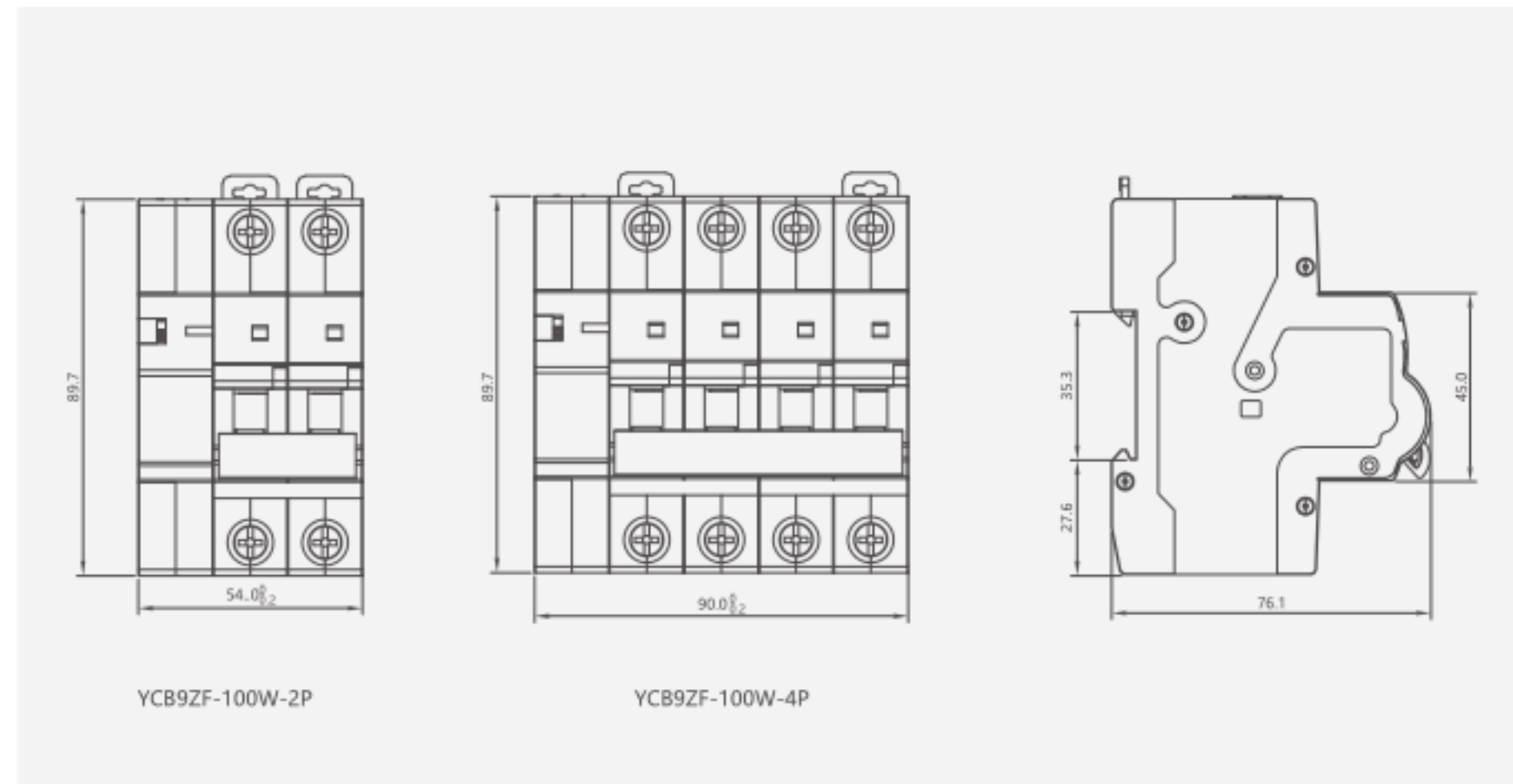
YCB9ZF-100AP



Modular DIN Rail

YCB9ZF-100AP,100W Smart Circuit Breaker

YCB9ZF-100W-4P



Modular DIN Rail

YCBZ-40 Change-over Switch

General

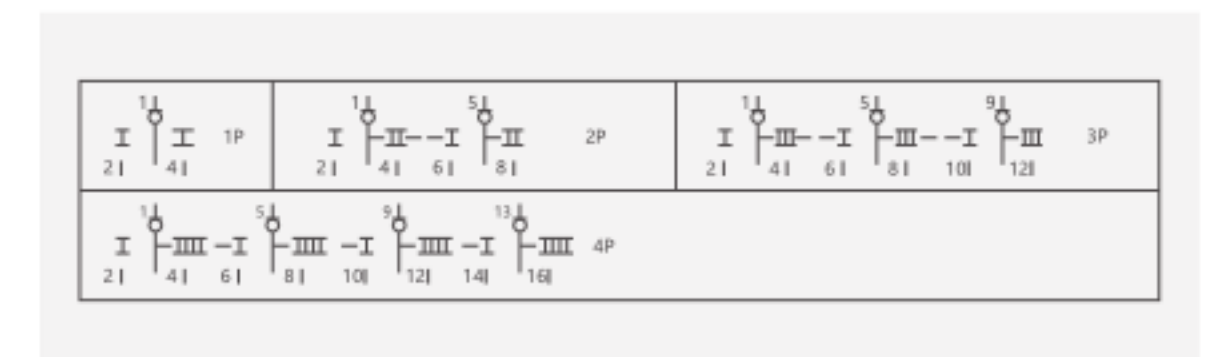
The Changeover Switch can switch on, Load and break the circuit under normal conditions, using as Switch Disconnectors.

Standard: IEC 60947-3

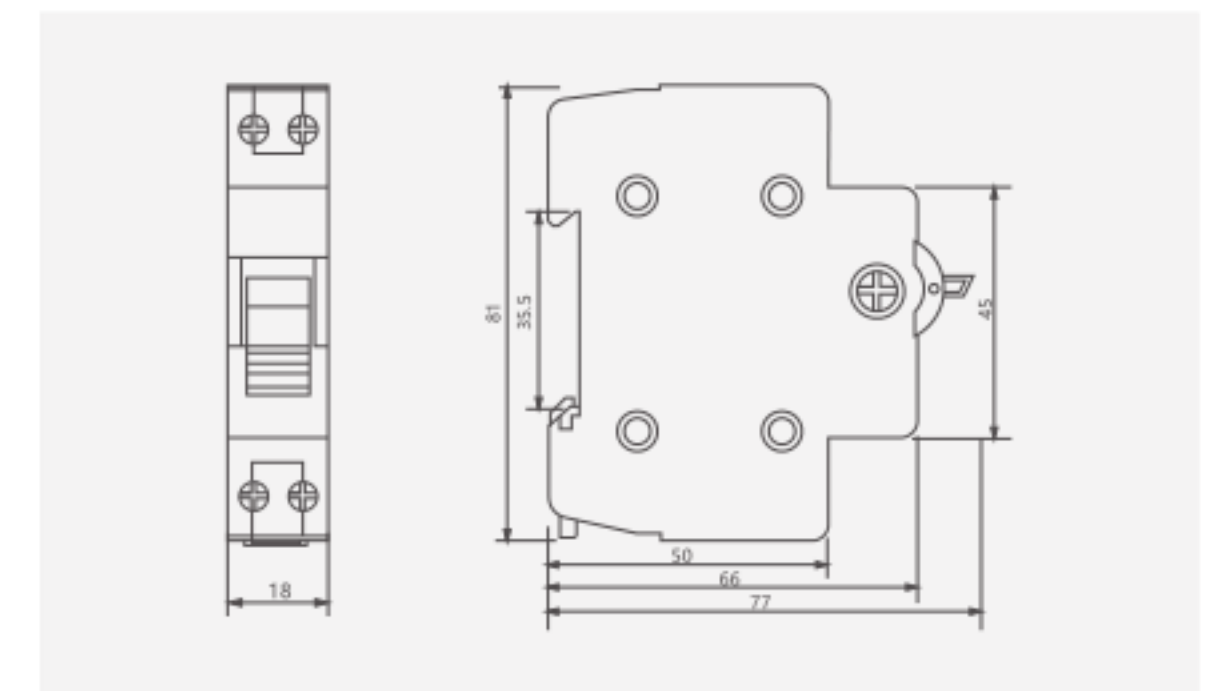
Specifications

Parameter	Data
Rated Voltage	240/415V~
Rated Current	16,25,32,40A
Rated Frequency	50/60Hz
Number of Poles	1,2,3,4P
Contact form	1-0-2
Electrical Life	1500 Cycles
Mechanical Life	8500 Cycles
Protection degree	Ip20
Ambient Temperature	-5°C~40°C
Terminal/Cable size	10mm ²
Mounting	On DIN rail EN60715(35mm) by means of fast clip device.

Circuit Diagram

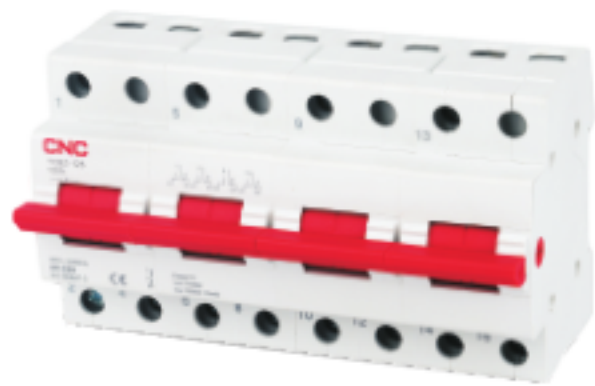


Overall and mounting dimensions(mm)



YCBZ-125 Change-over Switch

A



Application

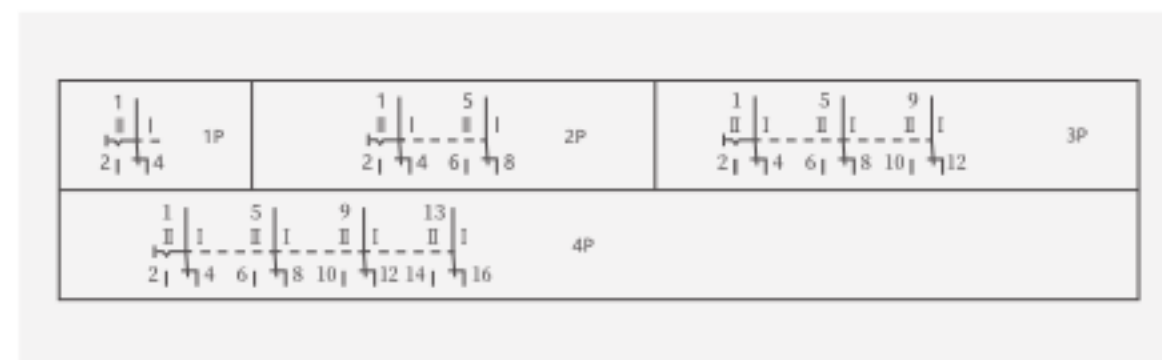
The Changeover Switch can switch on, Load and break the circuit under normal conditions, using as Switch Disconnectors.

Standard: IEC 60947-3

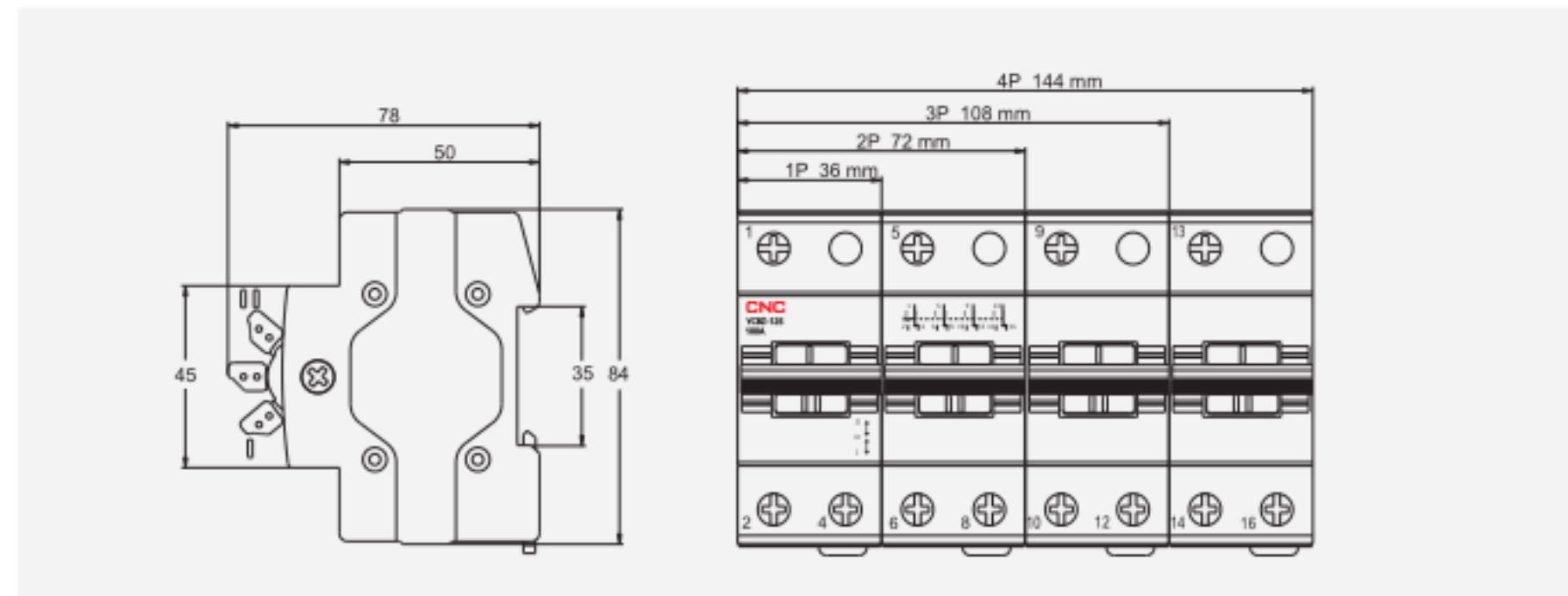
Specifications

Parameter	Data
Rated Voltage	240/415V~
Rated Current	63,80,100,125A
Rated Frequency	50/60Hz
Number of Poles	1,2,3,4P
Contact form	1-0-2
Electrical Life	1500 Cycles
Mechanical Life	8500 Cycles
Protection degree	Ip20
Ambient Temperature	-5°C~40°C
Terminal/Cable size	50mm ²
Mounting	On DIN rail EN60715(35mm) by means of fast clip device.

Circuit Diagram



Overall and mounting dimensions(mm)



ADM Indicator

A



General

The Modular Signal Lamp is applicable to circuit with rated voltage 230V~and frequency 50/60Hz for visual indication and signaling.

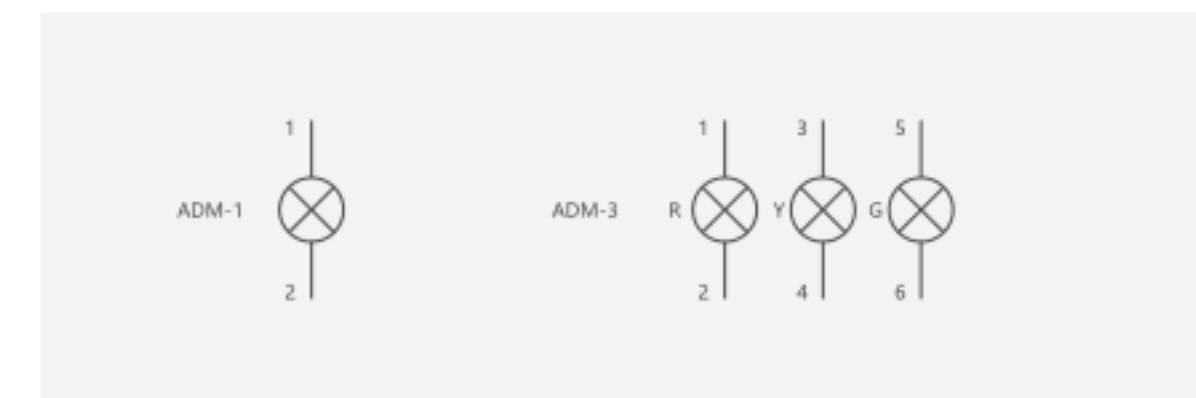
Construction and Feature: Low service duration, minimum power consumption, Compact design in modular size, Easy installation.

Standard: IEC 60947-5-1

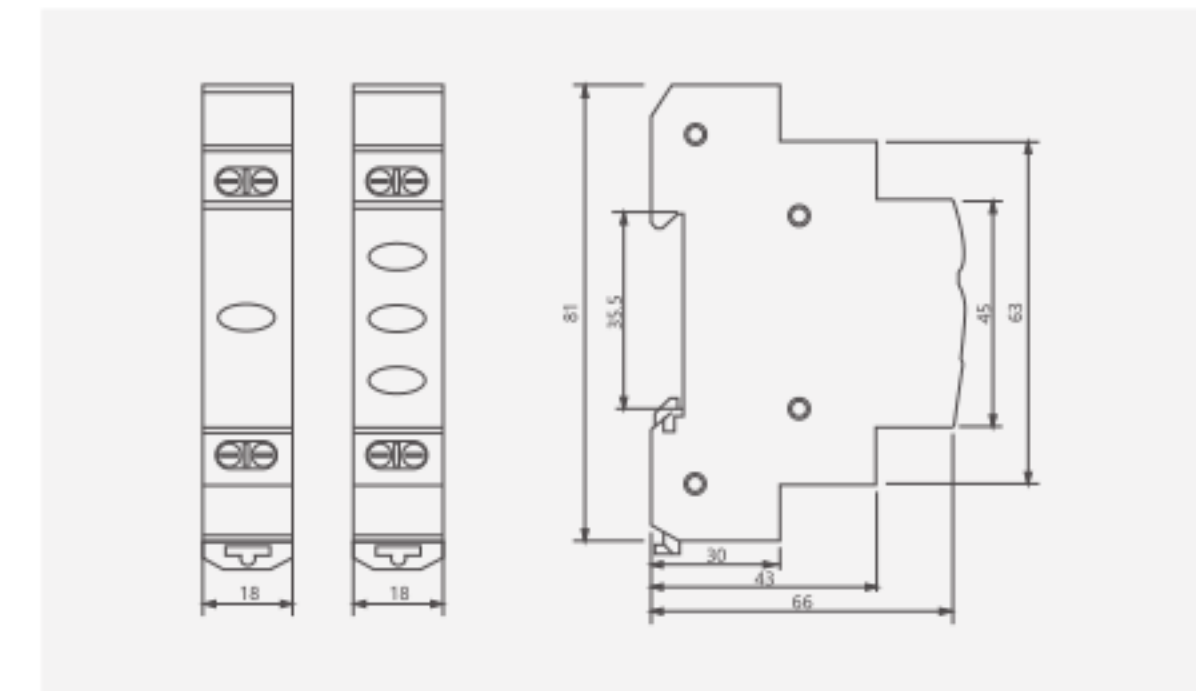
Specifications

Parameter	Data
Rated voltage	230V AC, 100V AC, 48V AC/DC, 24V AC/DC
Rated frequency	50/60Hz
Colour	ADM-1 Red, green, yellow ADM-3 Red/ Green/Yellow, Red/ Green/Blue
Connection terminal	Pillar terminal with clamp
Connection capacity	Rigid conductor 1.5mm ²
Installation	On symmetrical DIN rail 35mm
Max power	0.6W
Illumination	LED
Service duration	30000 hours

Wiring diagram



Overall and mounting dimensions(mm)



YCMV3 Voltage Meter

A



General

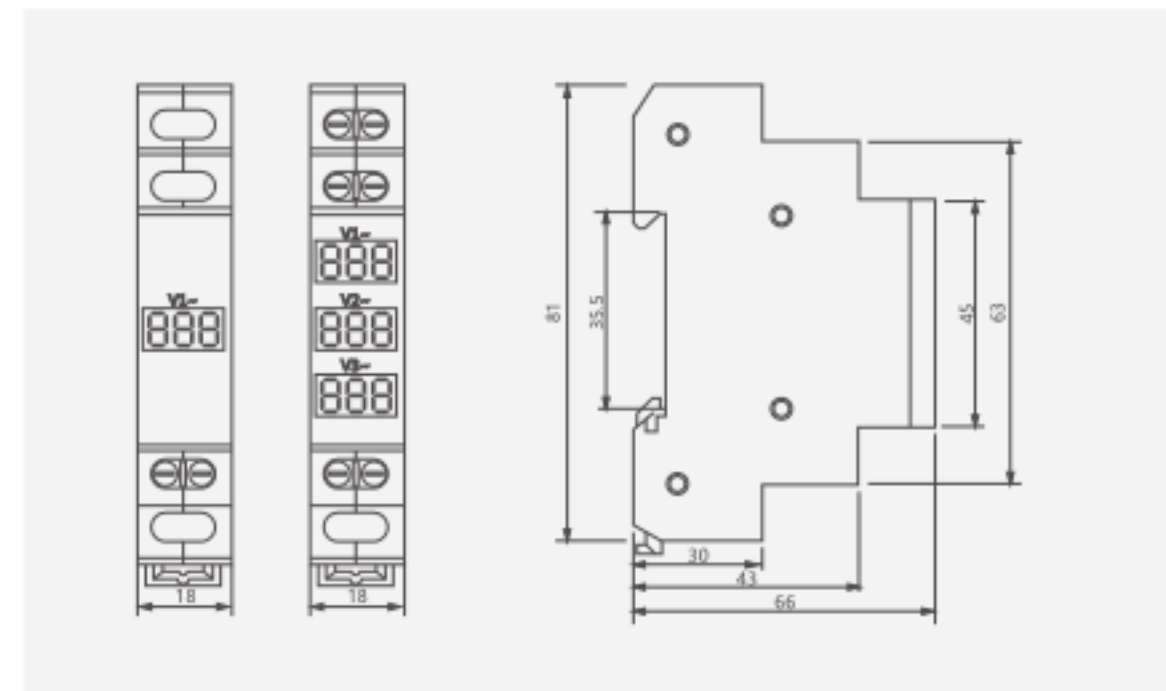
The Modular Voltage Meter is applicable to circuit with rated frequency 50/60Hz for measure and display digital voltage.

Standard: IEC 60051-1

Specifications

Parameter	Data
Type	YCMV1: Single phase 1 LED digital display YCMV3: Three phase 3 LED digital display
Terminal for wiring	Single phase L+N Three phase 3L+3N
Digital colour	Red, Green
Measurement voltage range	AC 80V~500V
Rated frequency	50/60Hz
Working current	≤20mA
Measuring accuracy	1
Measuring rate	> 200MS/time
Protection degree	IP20
Electrical Life	≥15000hours
Ambient temperature(with daily average≤35°C)	-5°C~+40°C
Storage temperature	-25°C~+70°C
Air relative humidity	10-80%(no condensation)
Working pressure	80~160Kpa
Sunniness	no sunniness
Terminal for wiring	1.5mm ²
Mounting	On DIN rail EN60715(35mm) by means of fast clip device

Overall and mounting dimensions(mm)



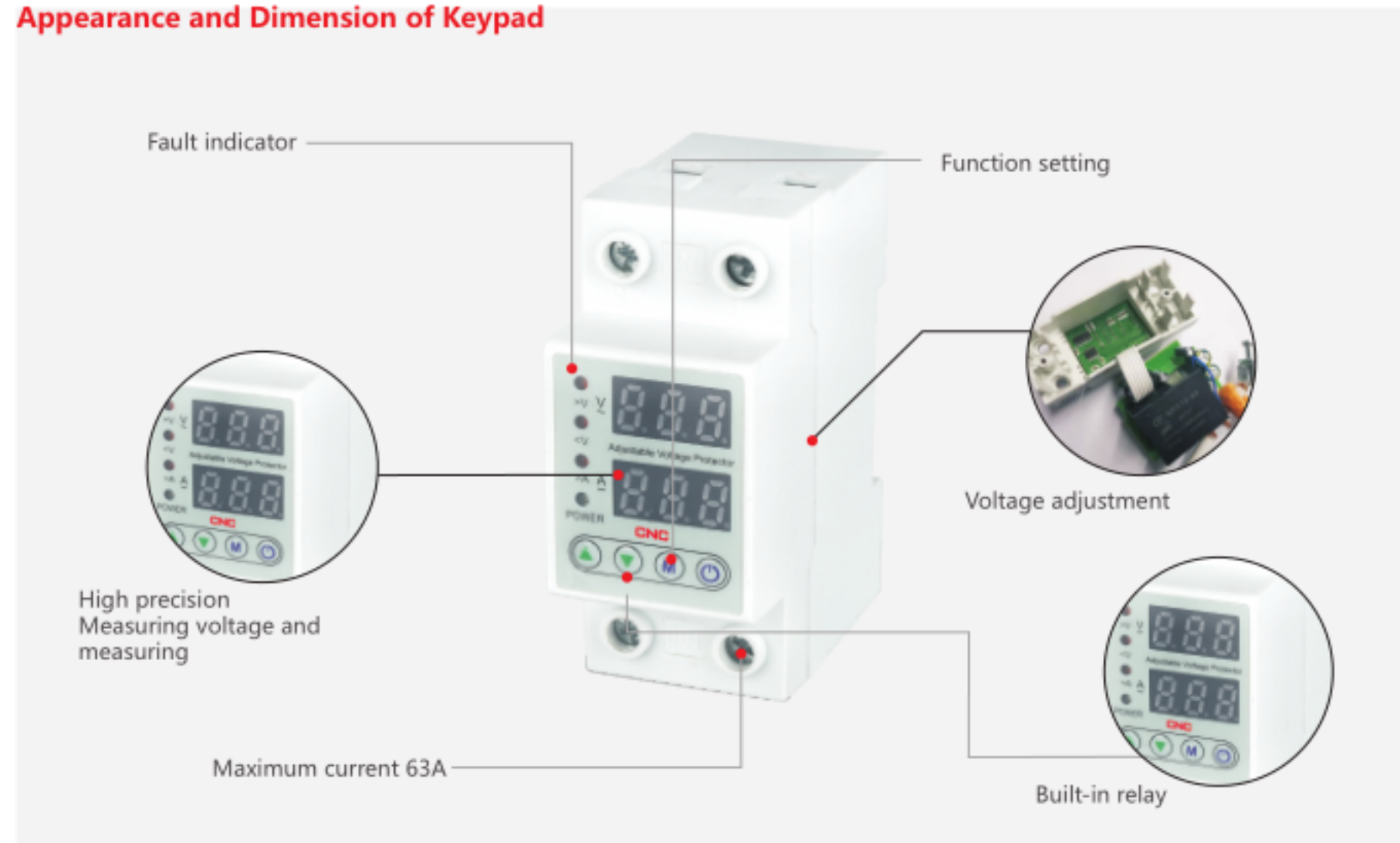
YC6VA

**Modular DIN Rail
Voltage Protection Relay**



YC6VA Voltage Protection Relay

Appearance and Dimension of Keypad



Description

Voltage and current display relay is a microprocessor-based voltage monitoring device for single-phase AC networks to protect electrical equipment from surge voltage. The device analyzes the main voltage and displays its current value on a digital indicator. Load is switched by electromagnetic relay. The user can set the current voltage value and delay time through the button. The value is stored in non-volatile memory. Aluminum wires and copper wires can be used for connection.

Application

Voltage and current display relay used in administrative, industrial and residential buildings and has the function of protecting single-phase lines:

- Undervoltage protection;
- Overvoltage protection;
- Working under voltmeter mode.

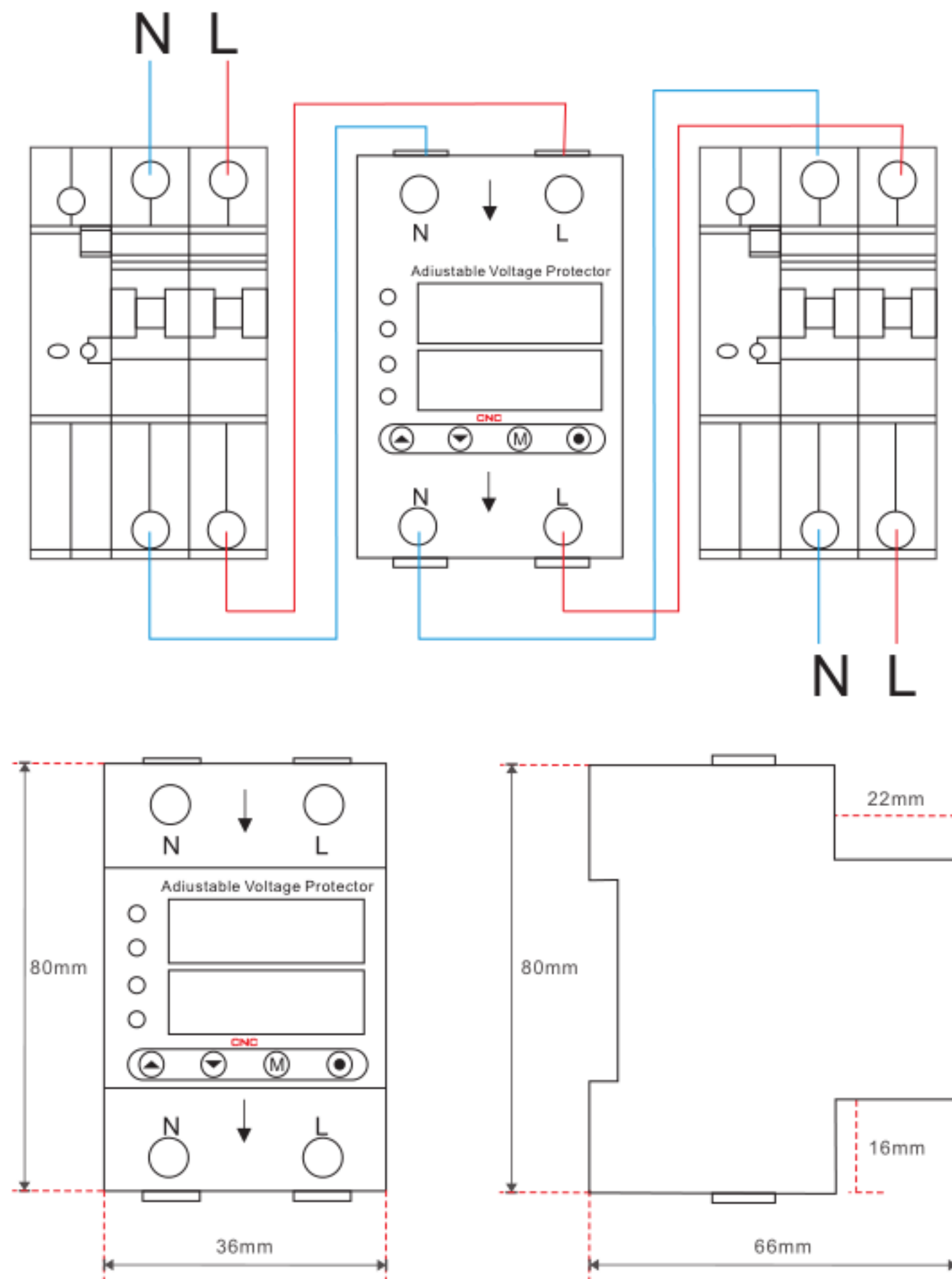
YC6VA Voltage Protection Relay

Technical data

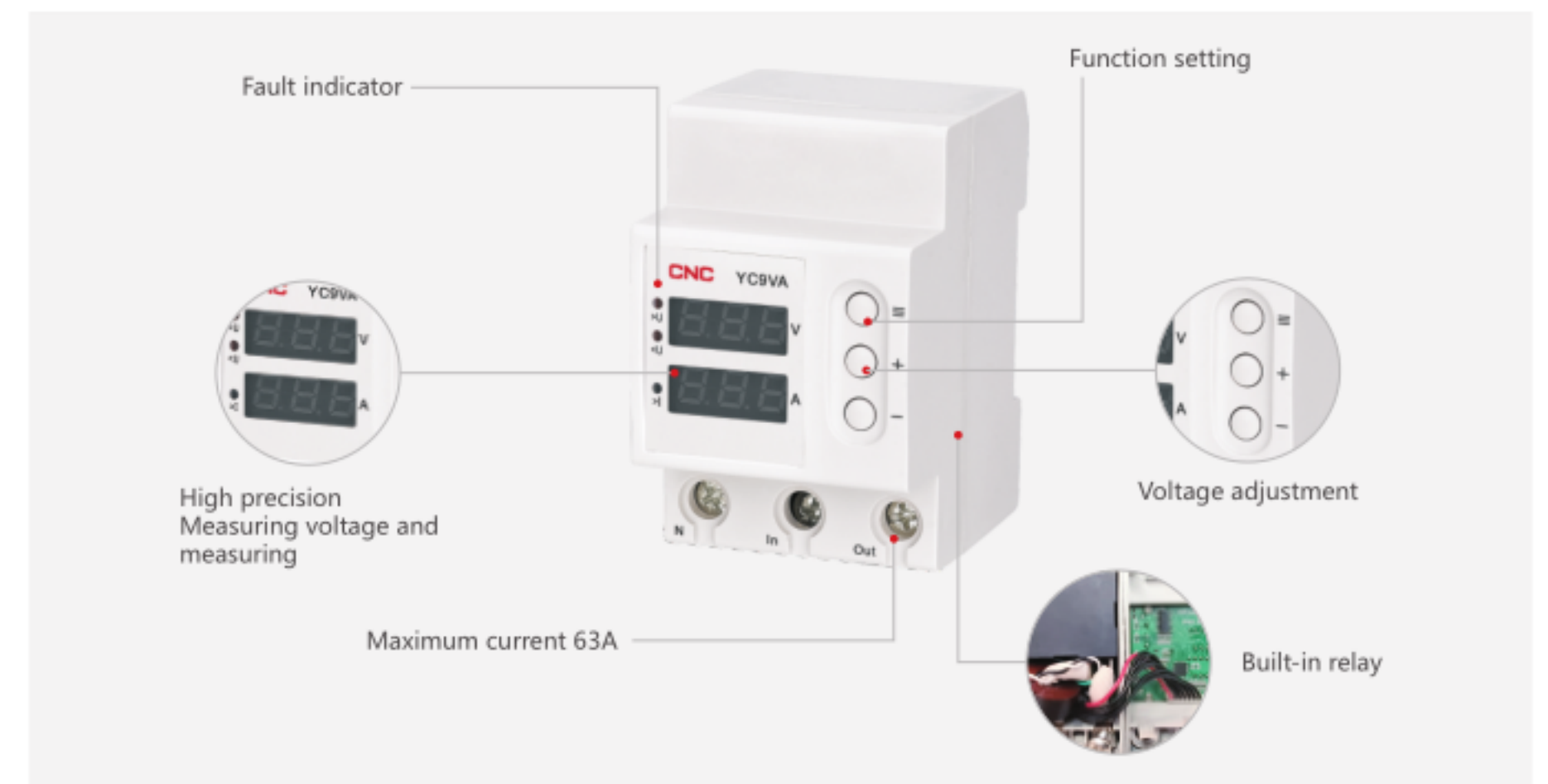
Rated Working Voltage	AC
Rated Frequency	50/60Hz
Rated Working Current	40A Or 63r
Over-voltage Protection Value	AC230V-AC300V
Under-voltage Protection Value	AV140V-AC220V
Voltage Power Off Time	0-400s
Overcurrent Protection Value	1-40A ,Or 1-63A
Overcurrent Power Off Time	0-30s
Recover time(Starting Delay Time)	0-400s, Or 0-30s
Own Power Consumption	≤1.5W
Pollution Level	2 Class
Rated insulation voltage	400V
Output contact	1NO
Protection	Ip20
Pollution	3
Electrical life	100000 times
Mechanical life	1000000 times
Altitude	≤2000m
Operating temperature	-5°C~40°C
Relative humidity	50% at 40°C(non-condensing)
Storage temperature	-40°C~55°C
Installation	35mm DIN rail

YC6VA Voltage Protection Relay

Wiring and Shape dimensions



YC9VA Voltage Protection Relay



Description

YC9VA voltage and current display relay is a microprocessor-based voltage monitoring device for single-phase AC networks to protect electrical equipment from surge voltage. The device analyzes the main voltage and displays its current value on a digital indicator. Load is switched by electromagnetic relay. The user can set the current voltage value and delay time through the button. The value is stored in non-volatile memory. Aluminum wires and copper wires can be used for connection.

Application

YC9VA voltage and current display relay used in administrative, industrial and residential buildings and has the function of protecting single-phase lines:

- Undervoltage protection;
- Overvoltage protection;
- Working under voltmeter mode.

YC9VA Voltage Protection Relay

Specifications

Parameter	Data
Rated power supply voltage	AC230V
Rated frequency	50/60Hz
Maximum voltage adjustment range	230V~300V
Minimum voltage adjustment range	120V~210V
Range of adjustment of the maximum current	1A~63A
Deviation	2%
Maximum action time	<275V: 0,1s, ≥275V: 0,02s
Delay time adjustment range	1-90s
Minimum action time	0.5s (≥160V); <0.1s(<160V)
Delay time adjustment range, overcurrent trip time	1-90s (I _{nom} < I _{ism} < I _{max}); 0.1s (I _{ism} ≥ I _{max})
Voltmeter accuracy	≤1%
Rated insulation voltage	400V
Output contact	1NO
Protection	IP20
Pollution	3
Electrical life	100000 times
Mechanical life	1000000 times
Altitude	≤2000m
Operating temperature	-5°C~40°C
Relative humidity	50% at 40°C (non-condensing)
Storage temperature	-40°C~55°C
Installation	35mm DIN rail
Range of adjustment of the on-delay time	1-90s

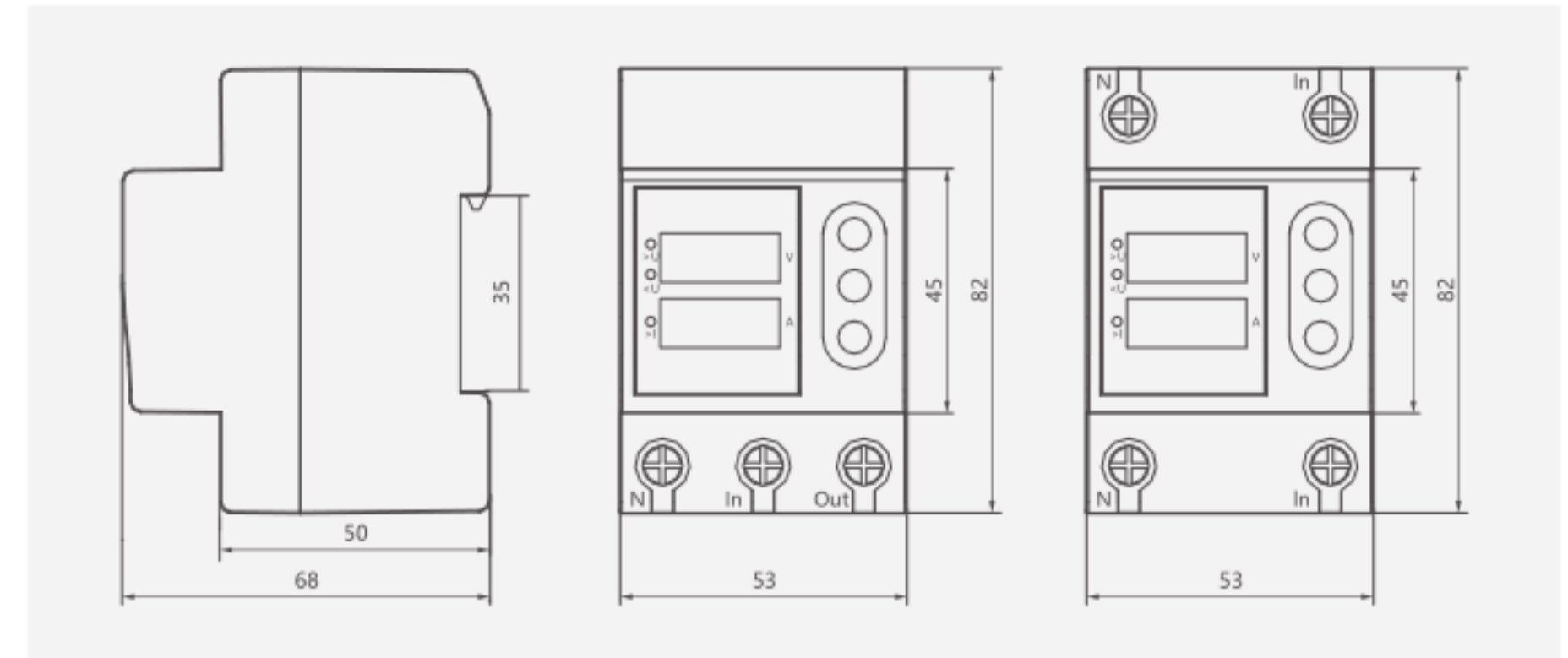
Operation and installation functions

When a voltage is applied to the device, the digital indicator will display the current value of the voltage in the network. A flashing light indicates that there is no voltage on the output of the device. If the supply voltage is within the set range, after T_{on} (default is 30 seconds), the load will turn on and the indicator will stop flashing. If the voltage is not within the specified range, the load will not be connected to the line until the voltage returns to normal. Meantime, if the voltage is lower than the set lower limit during the restart, the error indicator will flash. If the voltage is higher than the set upper limit, the error indicator will remain on.

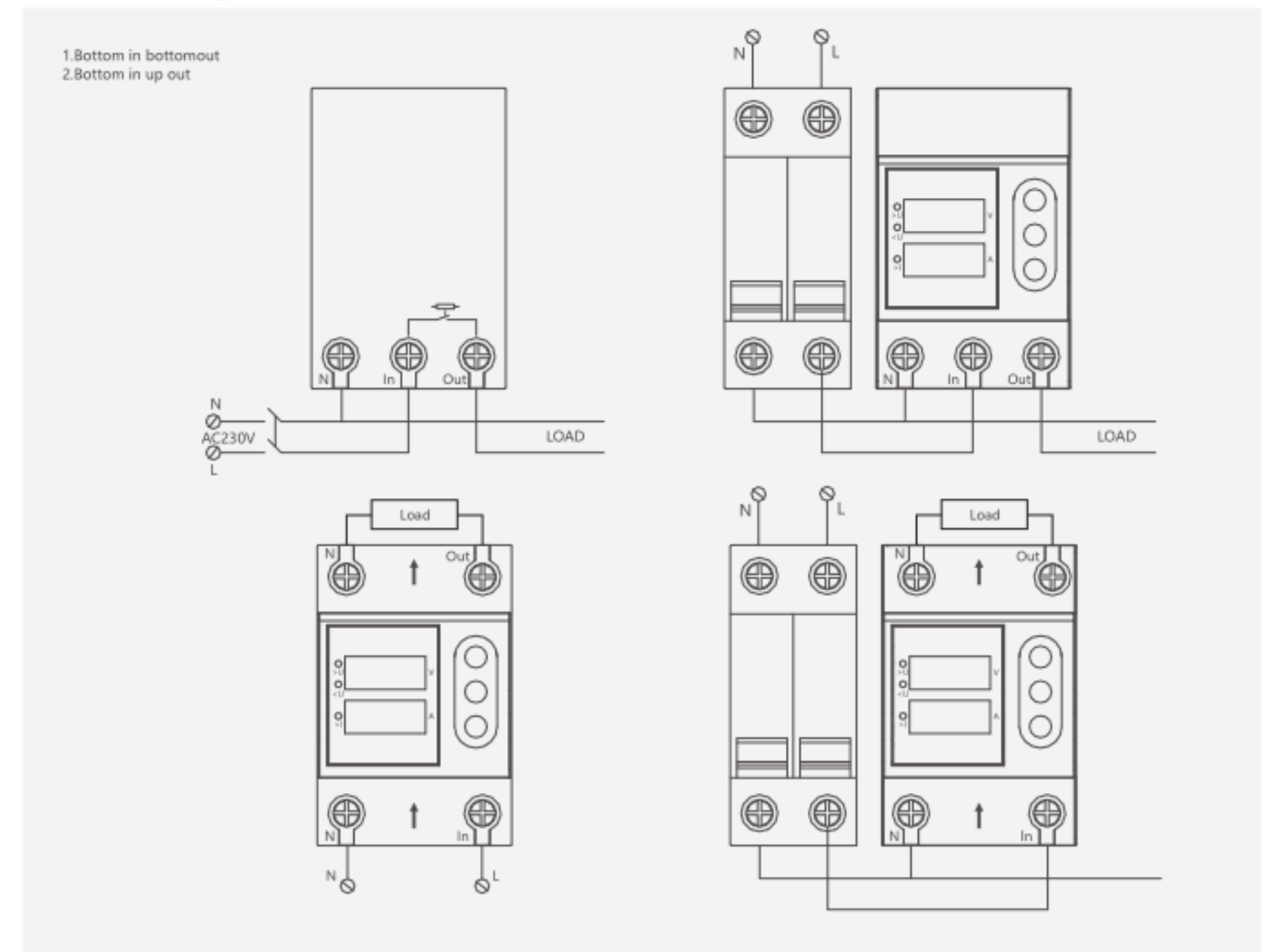
1. Install and secure the relay.
2. Connect the wires to the relay according to the schematic.
3. Set the desired voltage value.
4. Set the required response time.

YC9VA Voltage Protection Relay

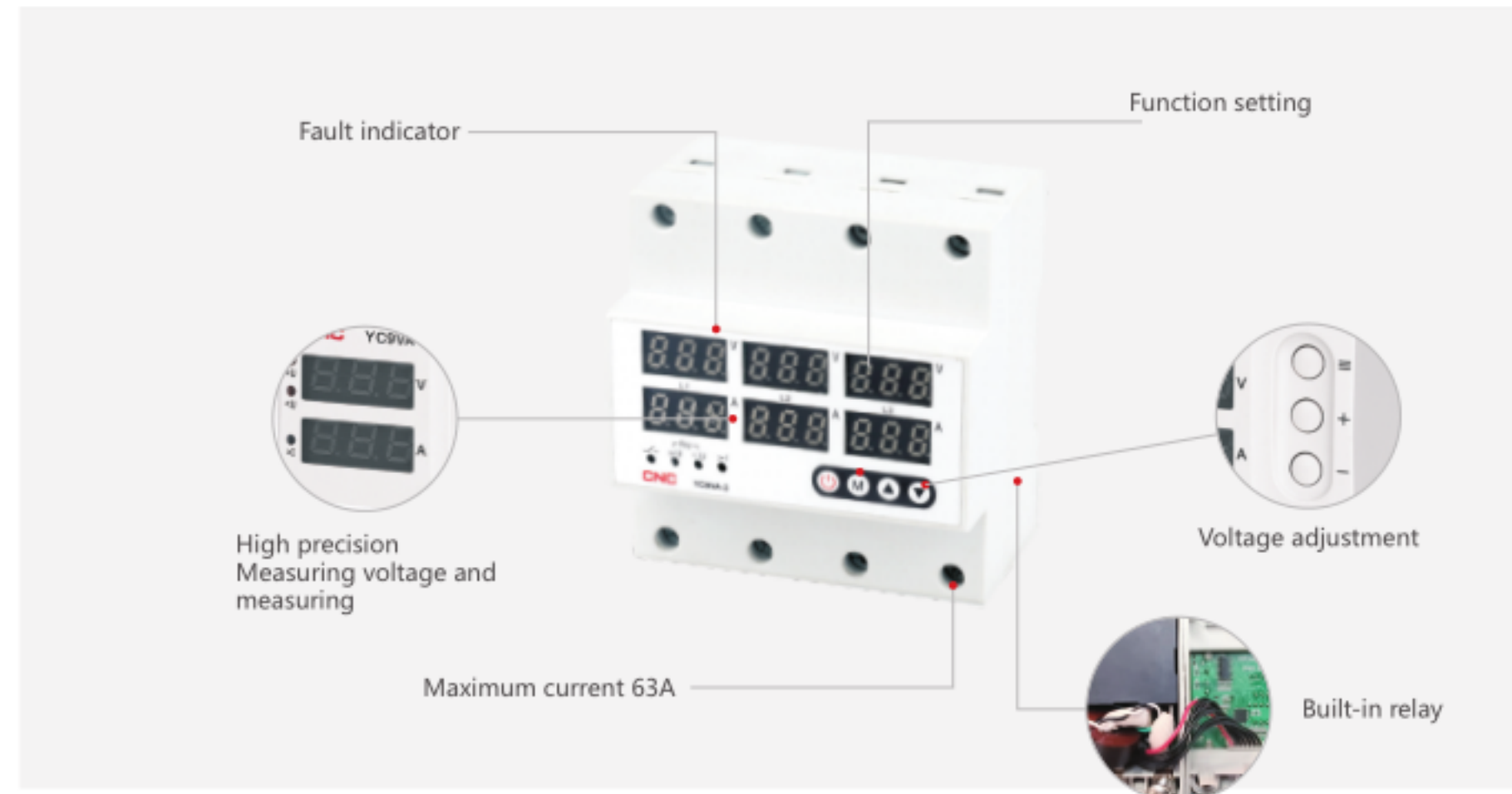
Overall and mounting dimensions (mm)



Connection diagram



YC9VA-3 Voltage Protection Relay



Description

YC9VA voltage and current display relay is a microprocessor-based voltage monitoring device for single-phase AC networks to protect electrical equipment from surge voltage. The device analyzes the main voltage and displays its current value on a digital indicator. Load is switched by electromagnetic relay. The user can set the current voltage value and delay time through the button. The value is stored in non-volatile memory. Aluminum wires and copper wires can be used for connection.

Application

YC9VA voltage and current display relay used in administrative, industrial and residential buildings and has the function of protecting single-phase lines:

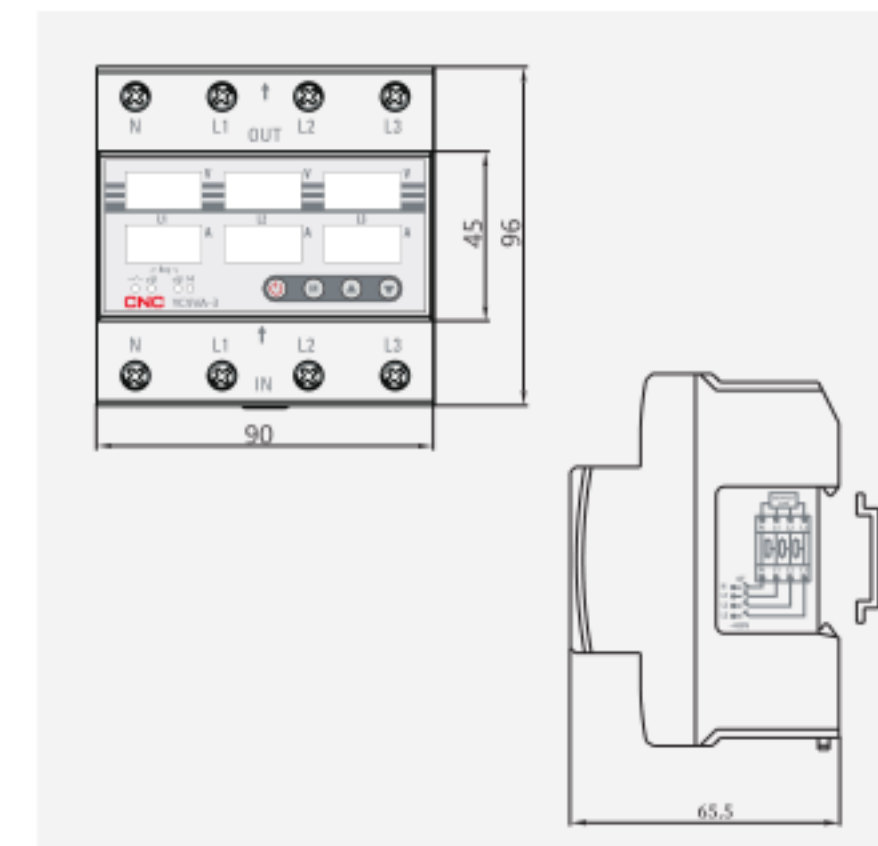
- Undervoltage protection;
- Overvoltage protection;
- Working under voltmeter mode.

YC9VA-3 Voltage Protection Relay

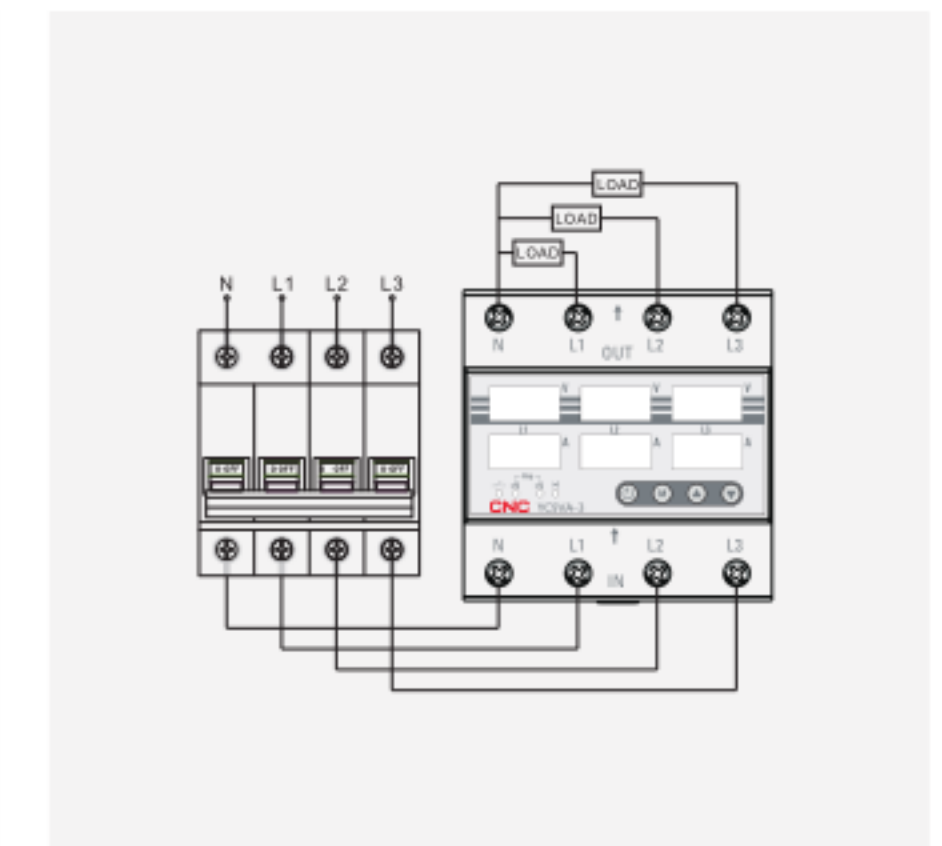
Specifications

Parameter	Data
Rated power supply voltage	AC230V
Rated frequency	50/60Hz
Maximum voltage adjustment range	230V~300V
Minimum voltage adjustment range	120V~210V
Range of adjustment of the maximum current	5A~63A
Deviation	2%
Delay time of phase unbalance fault	10s
Delay time of overcurrent fault	5s~600s
Delay time of closing	5s~600s
Delay time of overvoltage fault	0s~10s
Delay time of undervoltage fault	0s~10s
Lag voltage of overvoltage and undervoltage	0V~15V
Voltmeter accuracy	1%
Rated insulation voltage	450
Output contact	3ON
Protection	IP20
Pollution	3
Electrical life	100000
Mechanical life	1000000
Altitude	≤2000m
Operating temperature	-5°C~+50°C
Relative humidity	50% at 40°C(non-condensation)
Storage temperature	-40°C~+55°C
Installation	35mm DIN rail

Overall and mounting dimensions



Connection diagram



TMS-5 Modular Socket



General

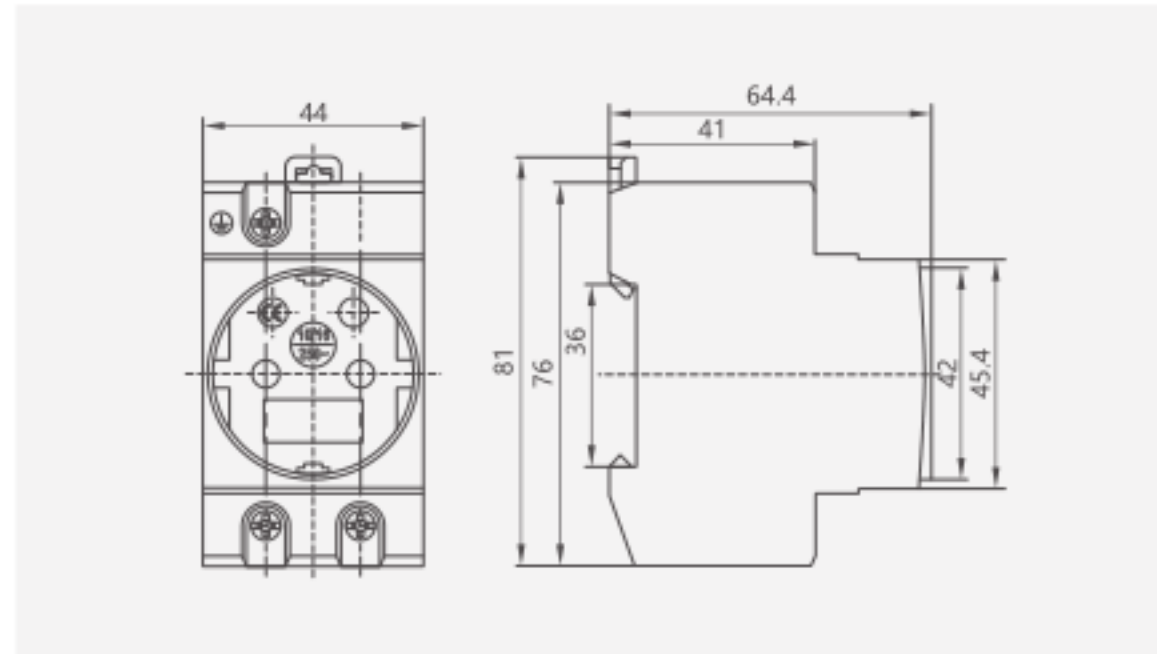
Grounded socket TMS-5 is suitable for single-phase power supply, used in the auxiliary AC circuit for connecting electrical appliances (portable lamps, power supply, etc.).

Standard: IEC 60884-1.

Technical features

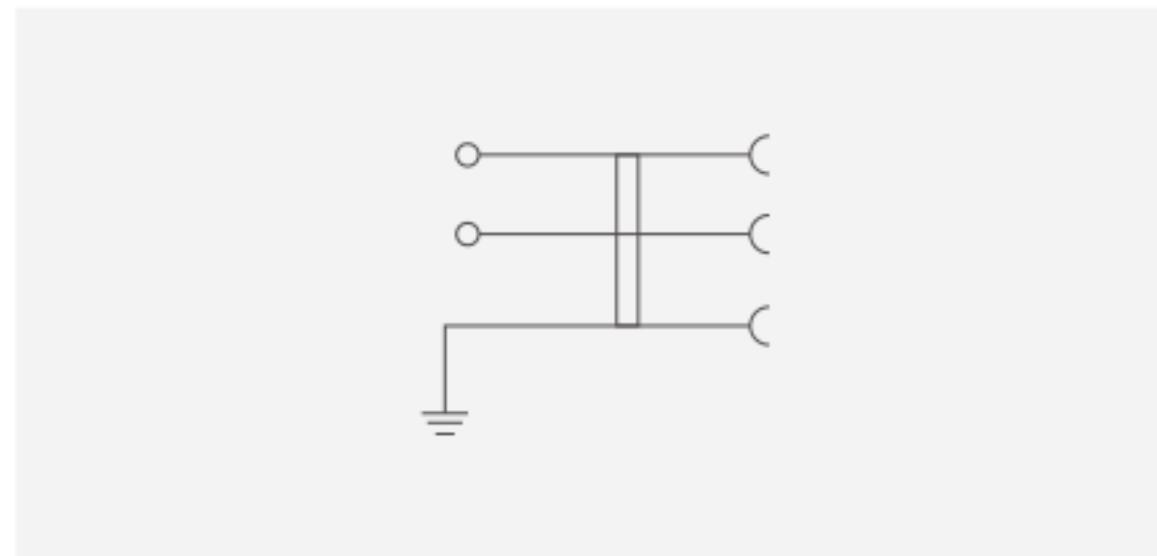
Parameter	Value
Rated voltage, Un, V	180-250
Rated frequency, fn, Hz	40-60
Rated current, A	16
Connection mode	2P+PE
Protection degree	IP 20
Cross-sectional area of wire, mm ²	2,5

Overall and mounting dimensions



The socket must be installed and connected by professional electrical personnel. The socket is mounted on DIN 35mm guide rail, the tightening torque is 2.5 N.m.

Wiring diagram



YCS6-B Surge Protection Device



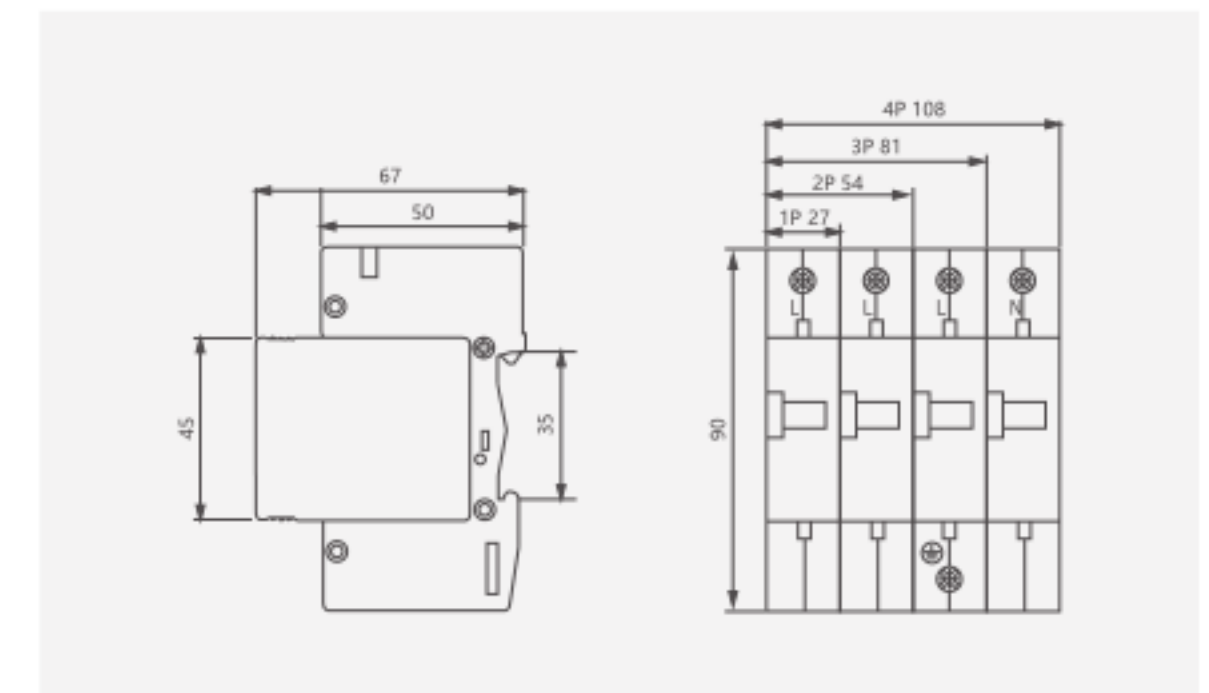
General

YCS6-B series Surge Protection Device is suitable for TT, IT, TN-S, TN-C and TN-C-S, the power supply system with the rated voltage up to 230/400V and AC 50/60Hz. Its design corresponds to IEC61643-1. The product is usually installed in the incoming line low voltage distribution box of the building, and it can release 100kA lightning stroke current.

Specifications

Parameters	Product Model		YCS6-B						
	220V	380V	220V	380V	220V	380V			
Rated Operating Voltage Uc(V~)	220V	380V	220V	380V	220V	380V			
Maximum Continuous Operating Voltage Uc(V~)	275V	385V/420V	275V	385V/420V	275V	385V/420V			
Voltage Protection Level Up(V~)kV	≤1.8	≤2.0	≤2.2	≤2.0	≤2.2	≤2.4	≤2.2	≤2.5	≤2.5
Nominal Discharge Current In(8/20μs)kA	30	40	60						
Maximum Discharge Current Imax(8/20μs)kA	60	80	100						
Response Time ns	< 25								
L/N(mm ²)The Cross Section of L/N Line	6								
PE(mm ²)The Cross Section of PE Line	10								
Fuse or Switch(A)	63A								
Operating Environment°C	-40°C~+85°C								
Relative Humidity(25°C)	≤95%								
Installation	Standard Rail 35mm								

Overall and mounting dimensions(mm)



YCS6-C Surge Protection Device

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General

YCS6-C series Surge Protection Device is suitable for TT, IT, TN-S, TN-C and TN-C-S, the power supply system with the rated voltage up to 230/400V and AC 50/60Hz. It can work as the equipotential bonding when the lightning strike. Its design corresponds to IEC61643-1.

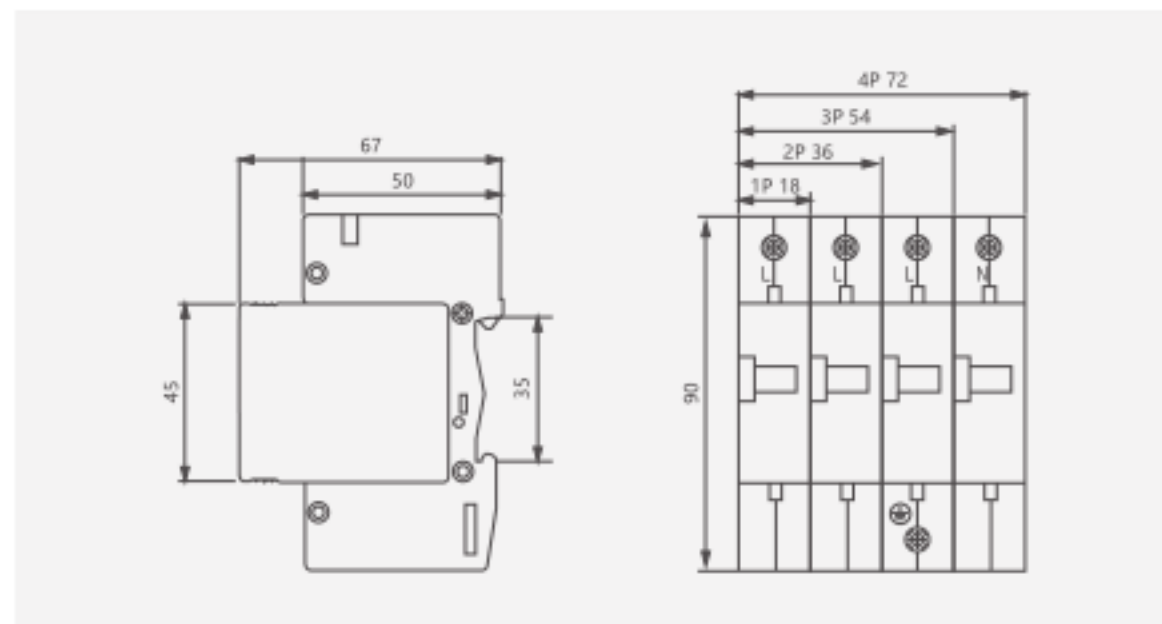
The product is mainly applied to protect the low voltage electric equipment and prevent the surge causing by the thunder or switching overvoltage. As a univoltage limiting device, YCS6-C is equipped with the heavy-duty Zinc Oxide piezoresistor.

YCS6-C series (Protection level: II) Protection Device need to be installed on the up link of the equipment, connecting with outer conductor(L) or neutral conductor(N) and the earthing device. Users can install the YCS6-C in the boundary of LPZOA or LPZ1, usually in the incoming line low voltage main distribution box.

Specifications

Parameters	Product Model		YCS6-C			
	110V	220V	380V	220V	380V	
Rated Operating Voltage $U_c(V\sim)$	110V	220V	380V	220V	380V	
Maximum Continuous Operating Voltage $U_c(V\sim)$	140V	275V	320V	385V	420V	440V
Voltage Protection Level $U_p(V\sim)$ kV	≤ 0.8	≤ 1.2	≤ 1.5	≤ 1.8	≤ 2.2	≤ 1.0 , ≤ 1.4 , ≤ 1.5 , ≤ 1.8 , ≤ 2.0
Nominal Discharge Current $I_n(8/20\mu s)$ kA	20			15		
Maximum Discharge Current $I_{max}(8/20\mu s)$ kA	40			30		
Response Time ns	< 25					
Test Standard	IEC61643-1					
L/N(mm ²)The Cross Section of L/N Line	2.5					
PE(mm ²)The Cross Section of PE Line	6					
Fuse or Switch(A)	32A			25A, 32A		
Operating Environment°C	-40°C~+85°C					
Relative Humidity(25°C)	$\leq 95\%$					
Installation	Standard Rail 35mm					

Overall and mounting dimensions(mm)



YCS6-D Surge Protection Device

A



General

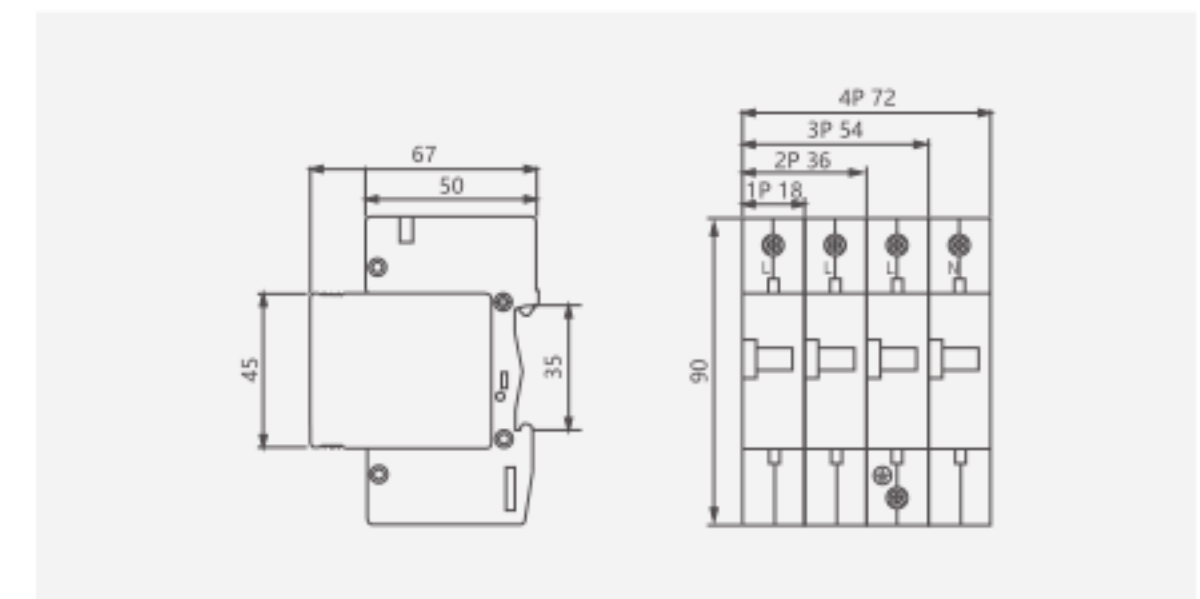
YCS6-D series Surge Protection Device is suitable for TT, IT, TN-S, TN-C and TN-C-S, the power supply system with the rated voltage up to 230/400V and AC 50/60Hz. Its design corresponds to IEC61643-1. The product is usually installed in the incoming line low voltage distribution box of the building, and it can release 20kA lightning stroke current.

The lightning current SPD protection with protection level: III is applied to the Equipotential bonding when the lightning strike. YCS6-D Device should be installed in the boundary of LPZ1, LPZ2 and LPZn, usually in front of the residential distribution box, computer center, informational equipment, electronic equipment and controlling equipment or in the nearest socket box.

Specifications

Parameters	Product Model		YCS6-D	
	220V	380V	220V	380V
Rated Operating Voltage $U_c(V\sim)$	220V	380V	220V	380V
Maximum Continuous Operating Voltage $U_c(V\sim)$	275V	385V	275V	385V
Voltage Protection Level $U_p(V\sim)$ kV	≤ 0.7	≤ 1.0	≤ 1.2	≤ 1.5
Nominal Discharge Current $I_n(8/20\mu s)$ kA	5		10	
Maximum Discharge Current $I_{max}(8/20\mu s)$ kA	10		20	
Response Time ns	< 25			
Test Standard	IEC61643-1			
L/N(mm ²)The Cross Section of L/N Line	2.5			
PE(mm ²)The Cross Section of PE Line	6			
Fuse or Switch(A)	10A, 16A		16A, 25A	
Operating Environment°C	-40°C~+85°C			
Relative Humidity(25°C)	$\leq 95\%$			
Installation	Standard Rail 35mm			

Overall and mounting dimensions(mm)



YCCH6 & YCCH7 AC Contactors

A



YCCH6-25/40
(Automatic style)



YCCH6-63/40
(Automatic style)



YCCH7-63/20
(Manual style)



YCCH7-63/40
(Manual style)

General

1. YCCH6/YCCH7 series AC contactor (hereinafter referred to as the household appliances control a contactor) is used for remote switch on and off without a sense of feeling or low load, resistance furnace, household appliances and similar low load, motor and other household.
2. The main contactor is used in AC 50Hz/60Hz, rated voltage to 400V, rated current of power system to 100A, AC-1, AC-7a (in no sense or sense of low load, resistance furnace, household appliances and similar low load) categories, long distance switch and control circuit.
3. Contactor is not used for breaking short circuit current, so it is necessary to choose suitable short circuit protection electrical equipment.

Specifications

Automatic										
Rating current In	AC-7a	16A	20A	25A	32A	63A	40A	63A	100A	
	AC-7b	6A	7A	8.5A	12A	25A	15A	20A	—	
Width	18mm			36mm			54mm			
Control voltage	24V, 110V, 230V			24V, 110V, 230V			24V, 110V, 230V			
Contact	2NO, 2NC, 1NO+1NC			1NO, 1NC			2NO, 2NC, 1NO+1NC		2NO	

Automatic										
Rating current In	AC-7a	16A	20A	25A	40A	63A	100A			
	AC-7b	6A	7A	8.5A	15A	20A	—			
Width	36mm			54mm			108mm			
Control voltage	24V, 110V, 230V			24V, 110V, 230V			24V, 110V, 230V			
Contact	4NO, 4NC, 3NO, 3NC, 3NO+1NC, 2NO+2NC						4NO			

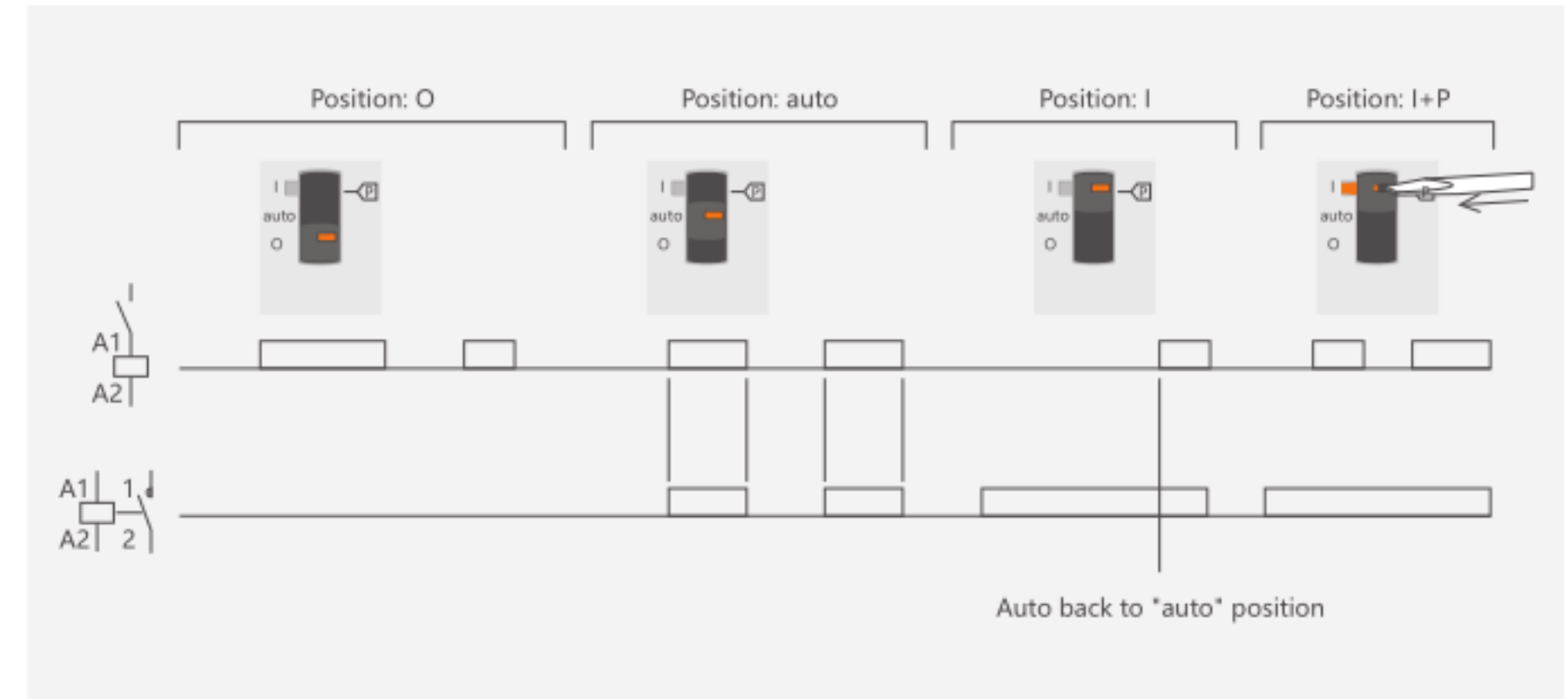
Manual							
Rating current In	AC-7a	16A	20A	25A	40A	63A	
	AC-7b	6A	7A	8.5A	15A	20A	
Width	18mm			36mm			
Control voltage	24V, 110V, 230V			24V, 110V, 230V			
Contact	2NO, 2NC, 1NO+1NC						

Manual							
Rating current In	AC-7a	16A	20A	25A	40A	63A	
	AC-7b	6A	7A	8.5A	15A	20A	
Width	36mm			54mm			
Control voltage	24V, 110V, 230V			24V, 110V, 230V			
Contact	4NO, 4NC, 3NO, 3NC, 3NO+1NC, 2NO+2NC						

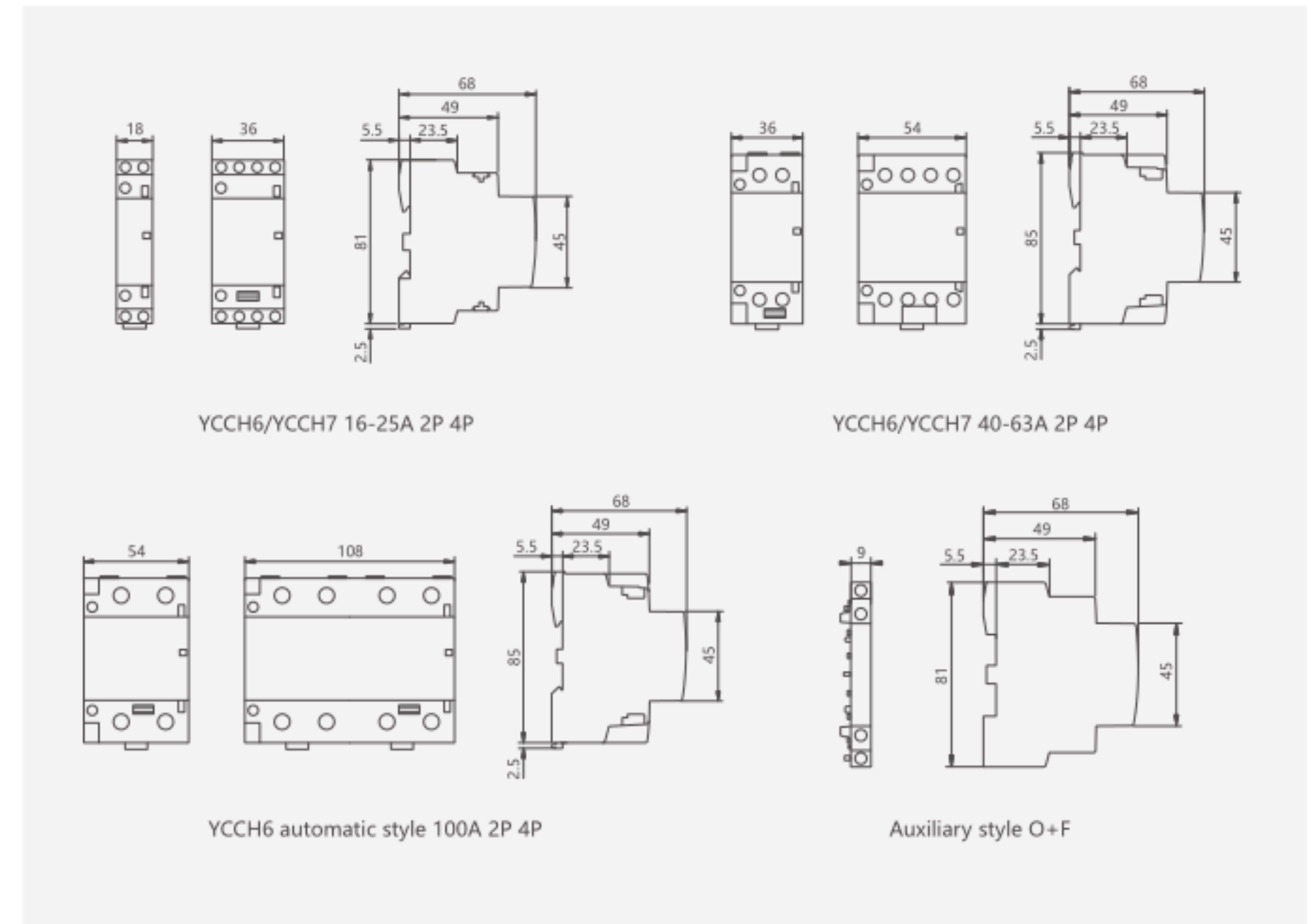
YCCH6 & YCCH7 AC Contactors

A

Operation (Manual Operation Contactor)



Dimensions (mm)



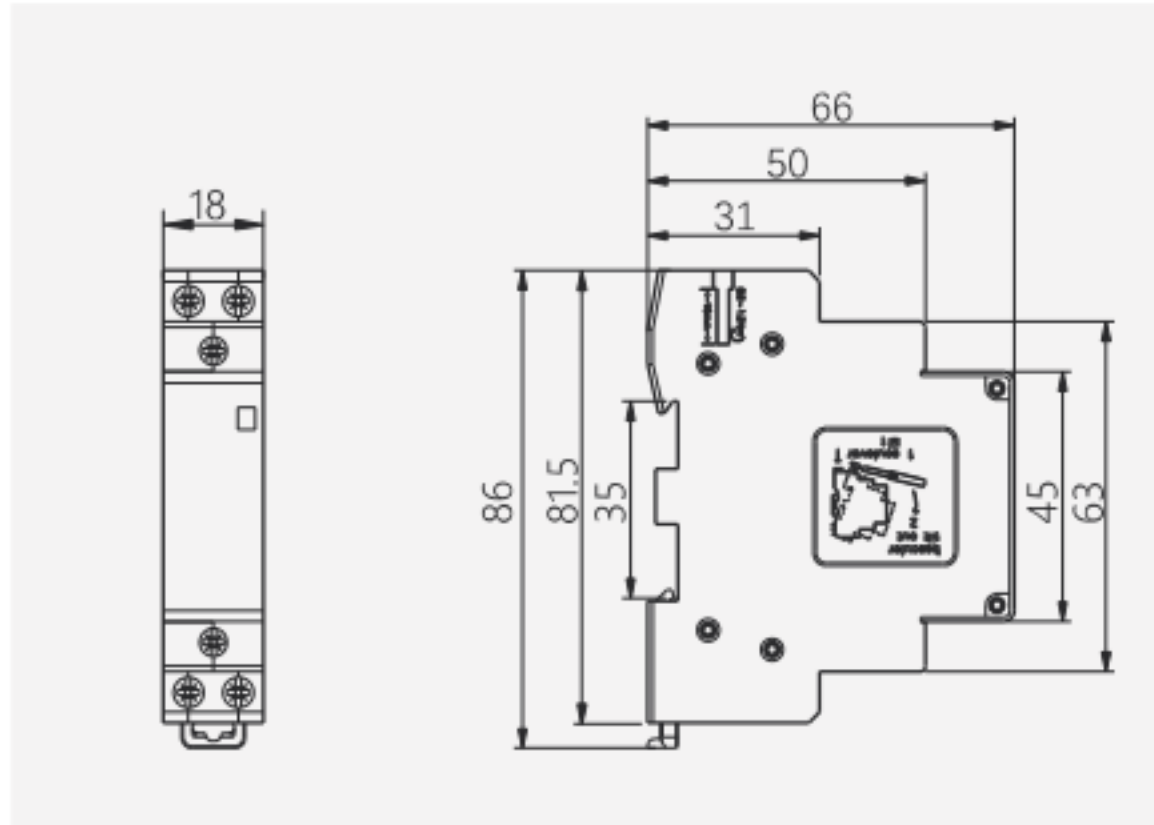
YCCH6 & YCCH7 AC Contactors

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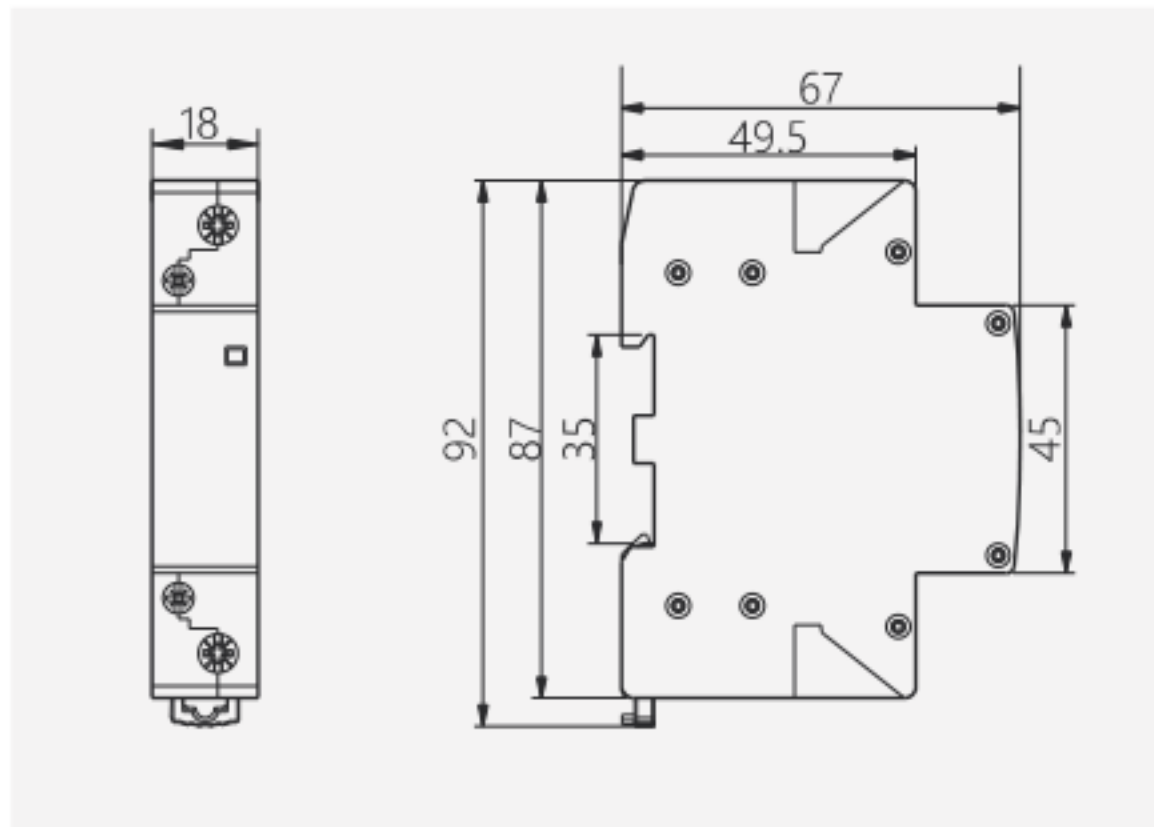


YCCH6-32/20
(Automatic style)

Dimensions (mm)



Dimensions (mm)



YCCH6-63SNO
(Automatic style)

YCX1 Surface Mount Distribution Box

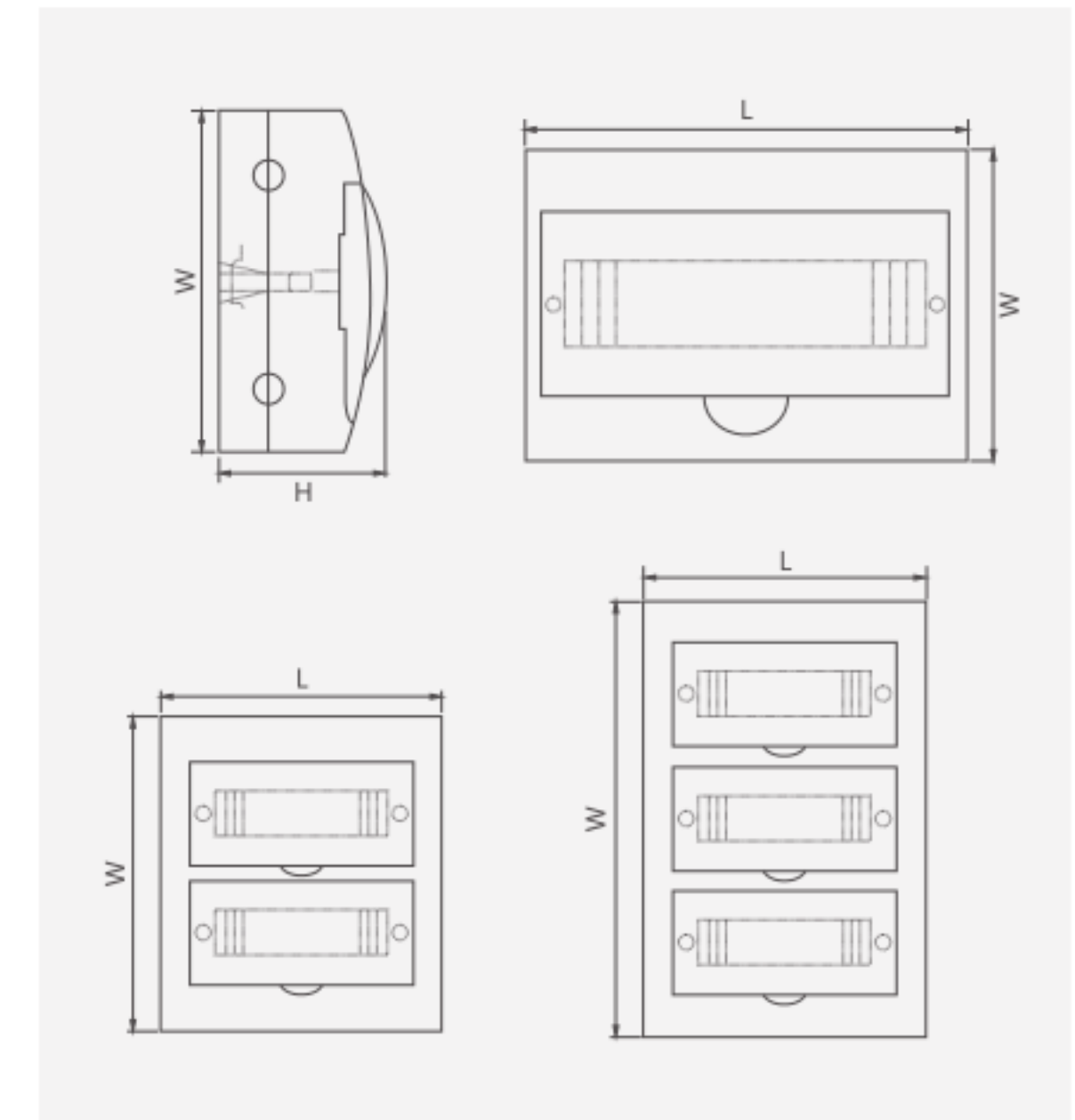
A



Type designation

Specification	Dimension	L	W	H
YCX1-4WAYS		112	200	95
YCX1-6WAYS		148	200	95
YCX1-8WAYS		184	200	95
YCX1-10WAYS		222	200	95
YCX1-12WAYS		256	200	95
YCX1-15WAYS		310	200	95
YCX1-18WAYS		365	222	95
YCX1-24WAYS		271	325	97
YCX1-36WAYS		271	462	100

Outline and installation dimensions



YCX2 Flush Mount Distribution Box

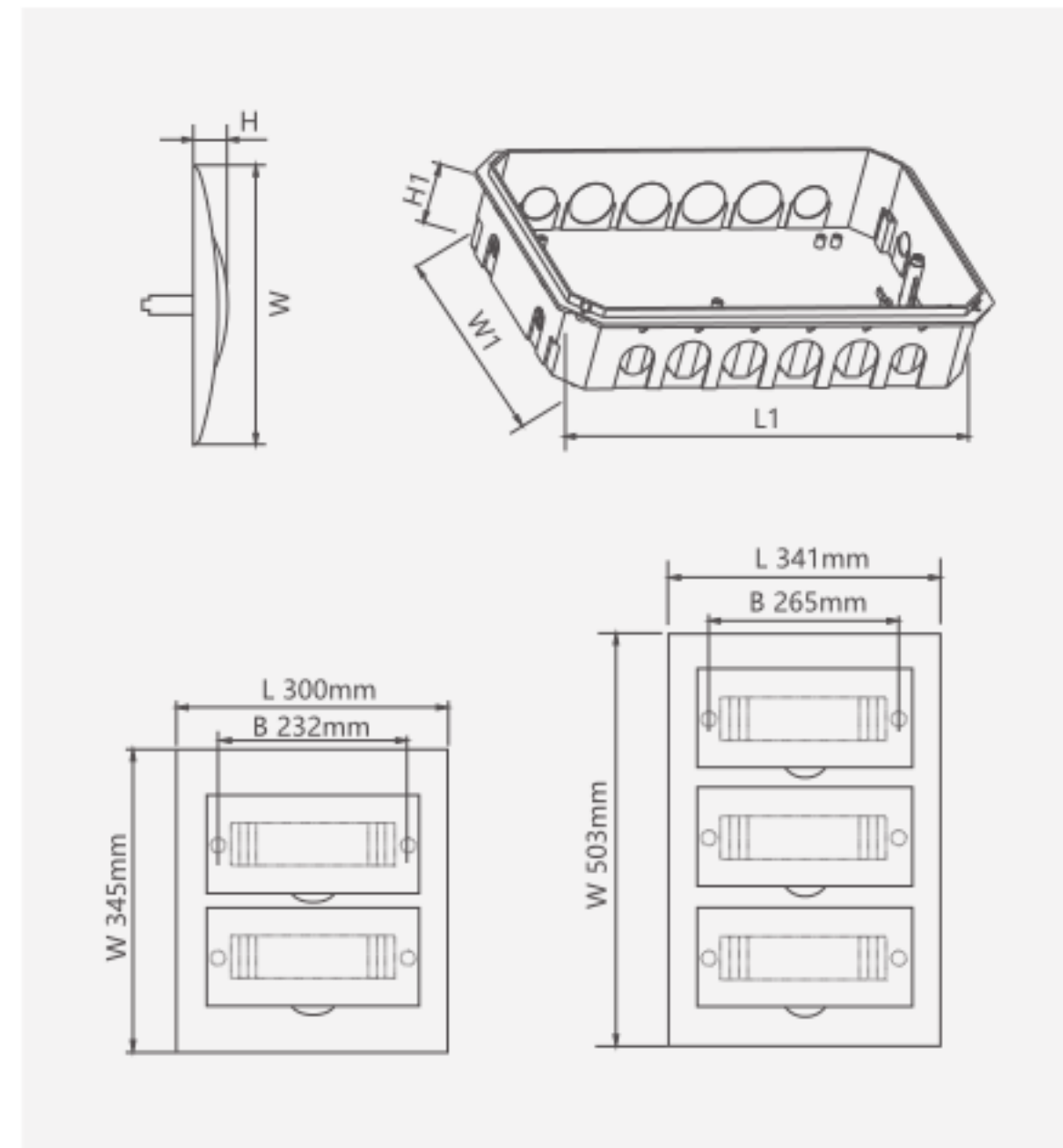
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Type designation

Specification	Dimension						
	L1	W1	H1	L	W	H	
YCX2-4WAYS	115	197	60	136	222	27	
YCX2-6WAYS	148	197	60	170	222	27	
YCX2-8WAYS	184	197	60	207	222	27	
YCX2-10WAYS	222	197	60	243	222	27	
YCX2-12WAYS	258	197	60	279	222	27	
YCX2-15WAYS	310	197	60	334	222	27	
YCX2-18WAYS	365	219	67	398	251	27	
YCX2-24WAYS	258	310	66	300	345	27	
YCX2-36WAYS	258	449	66	300	484	27	

Outline and installation dimensions



YCX3 Surface Mount Distribution Box

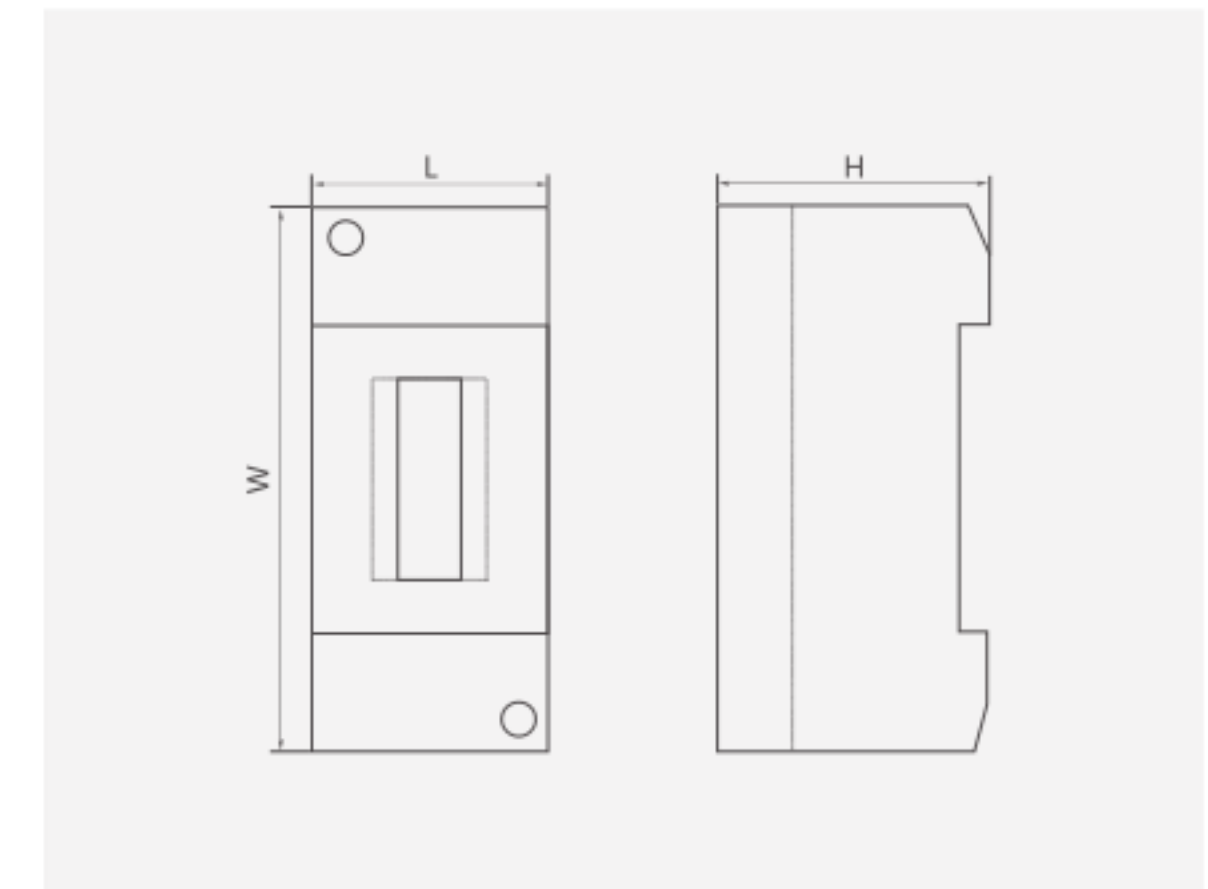
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Type designation

Specification	Dimension		
	L	W	H
YCX3-1WAYS	34	130	60
YCX3-2WAYS	52	130	60
YCX3-4WAYS	87	130	60
YCX3-6WAYS	123	130	60
YCX3-8WAYS	160	130	60

Outline and installation dimensions



YCX6 Lighting Distribution Box



General

YCX6 is applicable to residential buildings or places for non-professional people to enter, it includes control equipment and signal equipment. It is applicable to the circuit with an alternating current, the nominal voltage to earth does not exceed 380V, the output circuit is with short circuit protection function. When the total input load current does not exceed 125A, the rated current of each short circuit protection device shall not exceed 63A. This product is with plastic cover and metal box, mainly used to following conditions:

- power distribution system

Building electrical distribution system, house renovation and decoration.

- installation mode

The metal box matched with the plastic cover, it is especially suitable for flush mounting of distribution box in construction and decoration projects.

- appearance design

The stylish appearance design is suitable for high-end residences, hotels and office buildings, etc., which show the taste of modern life.



Specification

Product mode	Rows	No. of units	Surface mounting dimension	Flush mounting dimension(hole size)
YCX6-9	1	9	240×200×75	217×180×75
YCX6-12	1	12	295×230×75	270×210×75
YCX6-16	1	16	360×230×75	340×210×75
YCX6-20	1	20	438×230×75	413×210×75
YCX6-24	2	24	295×460×75	270×440×75
YCX6-32	2	32	366×460×75	340×440×75
YCX6-36	3	36	295×690×75	270×670×75
YCX6-40	2	40	438×460×75	413×440×75
YCX6-48	3	48	366×690×75	340×670×75
YCX6-60	3	60	438×690×75	438×670×75

HA Water Proof Distribution Box (IP65)



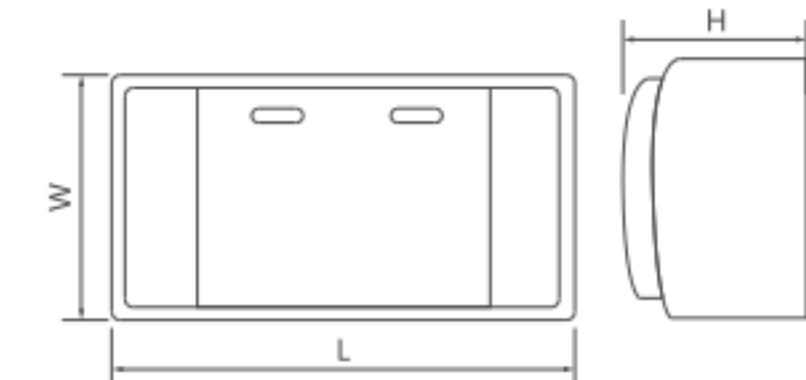
General

HA Series lighting box is in line with IEC-493-1 standard, attractive and durable, safe and reliable, which is widely used in various places such as factory, mansion, residence, shopping center and so on.

Features

1. Panel is the ABS material for the engineering, high strength, never change color, the transparent material is PC.
2. Cover push-type opening and closing
Face covering of the distribution box adopts the push-type opening and closing mode, the face mask can be opened by pressing lightly, the self-locking positioning hinge structure is provided when opening.
3. Wiring design of the power distribution box

The guide rail support plate can be lifted to the highest movable point, it is no longer limited by the narrow space when installing the wire. To install easily, the switch of the distribution box is set up with the wire groove and wire pipe exit-holes, which are easy to use for a variety of wire grooves and wire pipes.



Model	Dimension(mm)		
	L(mm)	W(mm)	H(mm)
HA-4P	140	210	100
HA-8P	215	210	100
HA-12P	300	260	140
HA-18P	410	285	140
HA-24P	415	300	140

SH-Q3 Water-proof Junction Box

A

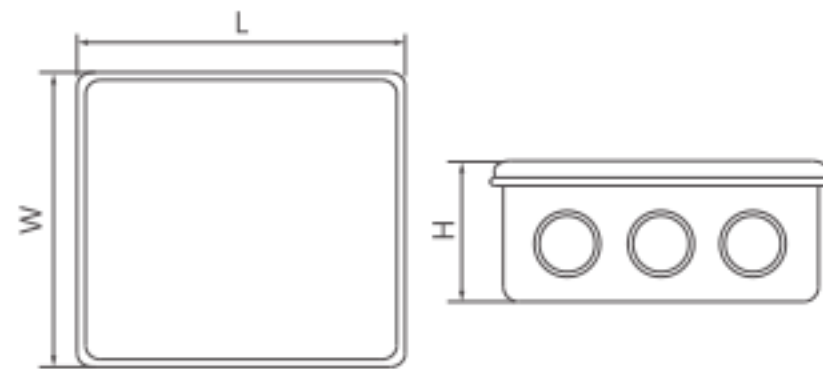


General

It is made of materials such as ABS and PC, etc, elegant external shape, high firmness. Combined body and cover are fixed with four plastic screws that are difficult to fall off. Its specification and size can be designed based on the customer requirements. Economic and affordable. Net weight only accounts for the iron box of about 1/4, to facilitate handling and operation, no corrosion, good insulation.

Waterproof junction box purpose: electrical, electronics, communication, fire fighting equipment, control panel, terminal box, large factory, coastal plant, environmental hazard facility, etc.

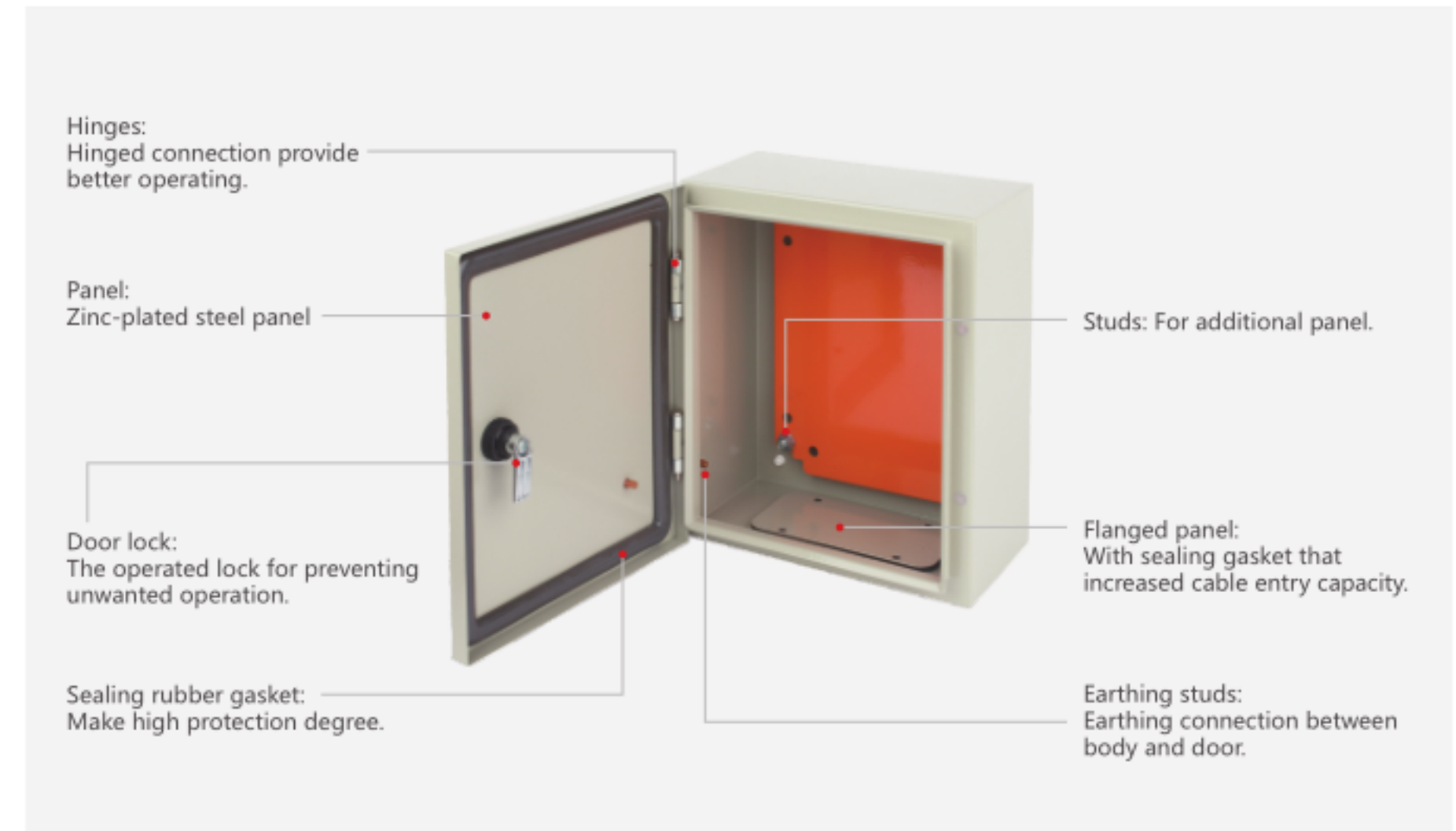
Materials can be selected according to the customer's requirements.



Model	Dimension(mm)		
	L(mm)	W(mm)	H(mm)
SH-Q3-801	50		30
SH-Q3-802	50		50
SH-Q3-803	80		50
SH-Q3-804	80	80	50
SH-Q3-805	85	85	50
SH-Q3-806	100	100	70
SH-Q3-807	150	110	70
SH-Q3-808	150	150	70
SH-Q3-809	200	100	110
SH-Q3-8010	200	155	80
SH-Q3-8011	200	100	70
SH-Q3-8012	200	200	80
SH-Q3-8013	255	200	80
SH-Q3-8014	300	250	120
SH-Q3-8015	400	350	120

YCS1 Enclosure

A



Function

The Wall Mounting Enclosure is designed to adopt all kind of Electrical switch gear & control gear assemblies. It is suitable for variety of Electrical installations in commercial & light industrial premises. It is designed for indoor & outdoor applications.

Features

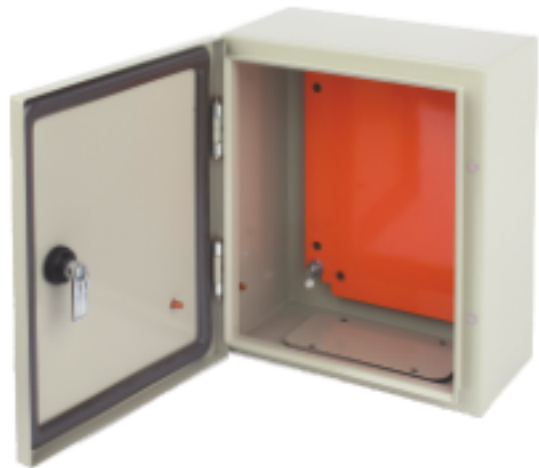
1. Made out of high quality Electro galvanized steel up to 1.5mm thickness.
2. Removable Gland plate at the Bottom.
3. Canopies can be fixed as optional.
4. Also double insulation; excellent out door performance.
5. Mounting plate made of 2mm GI steel or RAL 2000.
6. Orange powder coated.
7. Complies with IEC standards.
8. Corner formed covers ensures better rain proof protection & aesthetic look
9. 3 point cam lock for higher sizes ensures uniform locking over the entire length.

Technical data

1. Standard: IEC 62208
2. Rated voltage: 230V/400V
3. Frequency: 50/60Hz
4. Protection degree: IP66

Modular DIN Rail
YCS1 Enclosure

A



Model	H (mm)	W (mm)	D (mm)	Thickness		
				Door/mm	Body/mm	M.P/mm
YCS1-2215	200	200	150	1.2	1.2	2
YCS1-2515	250	200	150	1.2	1.2	2
YCS1-2315	300	200	150	1.2	1.2	2
YCS1-2320	300	200	200	1.2	1.2	2
YCS1-25315	300	250	150	1.2	1.2	2
YCS1-25320	300	250	200	1.2	1.2	2
YCS1-25325	300	250	250	1.2	1.2	2
YCS1-3315	300	300	150	1.2	1.2	2
YCS1-3320	300	300	200	1.2	1.2	2
YCS1-3325	300	300	250	1.2	1.2	2
YCS1-3415	400	300	150	1.2	1.2	2
YCS1-3420	400	300	200	1.2	1.2	2
YCS1-3425	400	300	250	1.2	1.2	2
YCS1-3430	400	300	300	1.2	1.2	2
YCS1-4415	400	400	150	1.2	1.2	2
YCS1-4420	400	400	200	1.2	1.2	2
YCS1-4425	400	400	250	1.2	1.2	2
YCS1-4430	400	400	300	1.2	1.2	2
YCS1-3515	500	300	150	1.2	1.2	2
YCS1-3520	500	300	200	1.2	1.2	2
YCS1-3525	500	300	250	1.2	1.2	2
YCS1-3530	500	300	300	1.2	1.2	2
YCS1-4515	500	400	150	1.2	1.2	2
YCS1-4520	500	400	200	1.2	1.2	2
YCS1-4525	500	400	250	1.2	1.2	2
YCS1-4530	500	400	300	1.2	1.2	2
YCS1-5515	500	500	150	1.2	1.2	2
YCS1-5520	500	500	200	1.2	1.2	2
YCS1-5525	500	500	250	1.2	1.2	2
YCS1-5530	500	500	300	1.2	1.2	2
YCS1-4615	600	400	150	1.2	1.2	2
YCS1-4620	600	400	200	1.2	1.2	2
YCS1-4625	600	400	250	1.2	1.2	2
YCS1-4630	600	400	300	1.2	1.2	2
YCS1-5615	600	500	150	1.2	1.2	2
YCS1-5620	600	500	200	1.2	1.2	2
YCS1-5625	600	500	250	1.2	1.2	2
YCS1-5630	600	500	300	1.2	1.2	2
YCS1-6615	600	600	150	1.2	1.2	2
YCS1-6620	600	600	200	1.2	1.2	2
YCS1-6625	600	600	250	1.2	1.2	2
YCS1-6630	600	600	300	1.2	1.2	2
YCS1-4720	700	400	200	1.2	1.2	2

Modular DIN Rail
YCS1 Enclosure

A

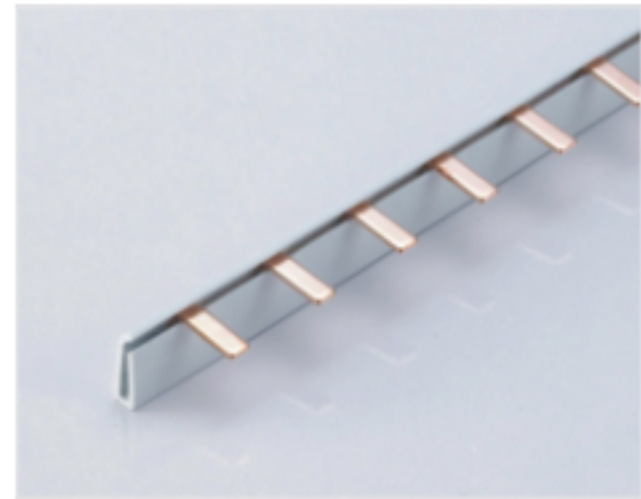


Model	H (mm)	W (mm)	D (mm)	Thickness		
				Door/mm	Body/mm	M.P/mm
YCS1-4730	700	400	300	1.2	1.2	2
YCS1-5715	700	500	150	1.2	1.2	2
YCS1-5720	700	500	200	1.2	1.2	2
YCS1-5725	700	500	250	1.2	1.2	2
YCS1-5730	700	500	300	1.2	1.2	2
YCS1-6720	700	600	200	1.2	1.2	2
YCS1-6725	700	600	250	1.2	1.2	2
YCS1-6730	700	600	300	1.2	1.2	2
YCS1-6820	800	600	200	1.5	1.5	2
YCS1-6825	800	600	250	1.5	1.5	2
YCS1-6830	800	600	300	1.5	1.5	2
YCS1-6835	800	600	350	1.5	1.5	2
YCS1-6840	800	600	400	1.5	1.5	2
YCS1-8820	800	800	200	1.5	1.5	2
YCS1-8825	800	800	250	1.5	1.5	2
YCS1-8830	800	800	300	1.5	1.5	2
YCS1-8840	800	800	400	1.5	1.5	2
YCS1-6 1020	1000	600	200	1.5	1.5	2
YCS1-6 1025	1000	600	250	1.5	1.5	2
YCS1-6 1030	1000	600	300	1.5	1.5	2
YCS1-7 1020	1000	700	200	1.5	1.5	2
YCS1-8 1020	1000	800	200	1.5	1.5	2
YCS1-8 1025	1000	800	250	1.5	1.5	2
YCS1-8 1030	1000	800	300	1.5	1.5	2
YCS1-8 1040	1000	800	400	1.5	1.5	2
YCS1-10 1025	1000	1000	250	1.5	1.5	2
YCS1-10 1030	1000	1000	300	1.5	1.5	2
YCS1-6 1220	1200	600	200	1.5	1.5	2
YCS1-6 1225	1200	600	250	1.5	1.5	2
YCS1-6 1230	1200	600	300	1.5	1.5	2
YCS1-8 1220	1200	800	200	1.5	1.5	2
YCS1-8 1225	1200	800	250	1.5	1.5	2
YCS1-8 1230	1200	800	300	1.5	1.5	2
YCS1-10 1225	1200	1000	250	1.5	1.5	2
YCS1-10 1230	1200	1000	300	1.5	1.5	2
YCS1-10 1240	1200	1000	400	1.5	1.5	2
YCS1-12 1225	1200	1200	250	1.5	1.5	2
YCS1-12 1230	1200	1200	300	1.5	1.5	2
YCS1-6 1430	1400	600	300	1.5	1.5	2
YCS1-8 1430	1400	800	300	1.5	1.5	2
YCS1-8 1440	1400	800	400	1.5	1.5	2
YCS1-10 1430	1400	1000	300	1.5	1.5	2
YCS1-10 1440	1400	1000	400	1.5	1.5	2
YCS1-12 1430	1400	1200	300	1.5	1.5	2

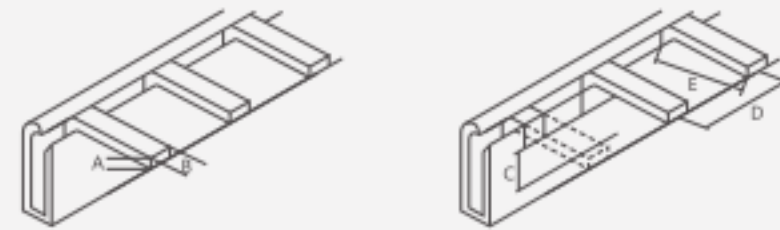
Busbar

Busbar Pin

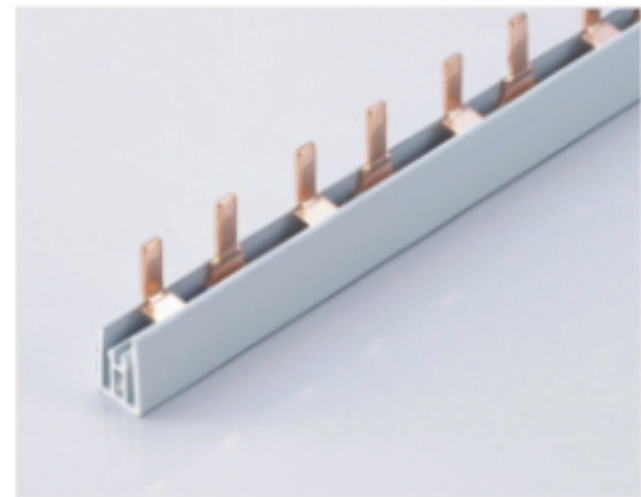
Material: Copper
 Features: good conductivity, low contact resistance, safe and reliable performance.



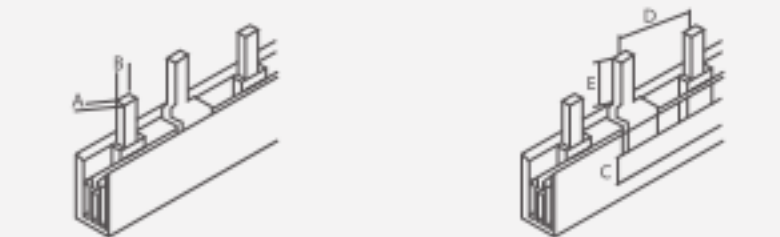
PIN 1P



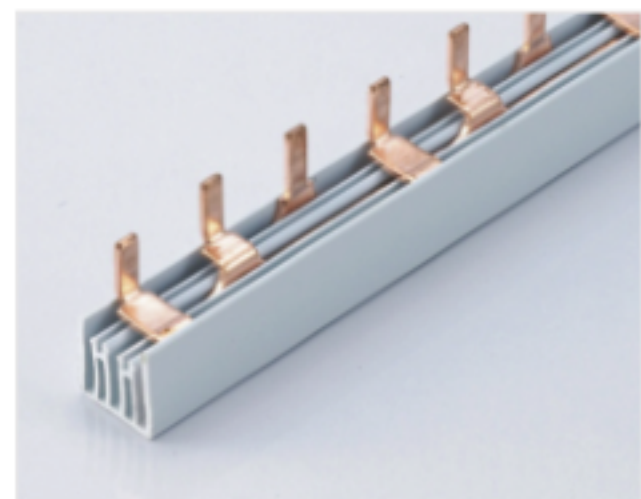
Specification	Model	A	B	C	D	E	Reference current
PIN	1P	1.5	4	9	17.8	11.5	80A
PIN	1P	1.8	4	9	17.8	11.5	100A



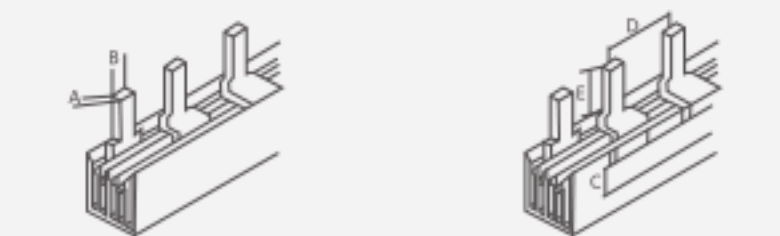
PIN 2P



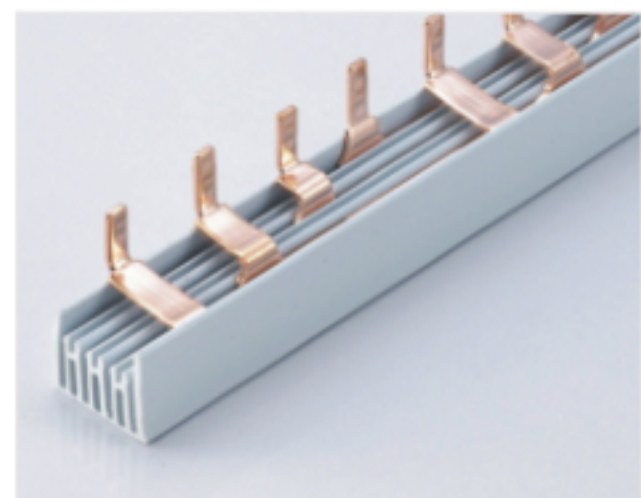
Specification	Model	A	B	C	D	E	Reference current
PIN	2P	1.5	4	9	17.8	11.5	80A
PIN	2P	1.8	4	9	17.8	11.5	100A



PIN 3P



Specification	Model	A	B	C	D	E	Reference current
PIN	3P	1.5	4	9	17.8	11.5	80A
PIN	3P	1.8	4	9	17.8	11.5	100A



PIN 4P

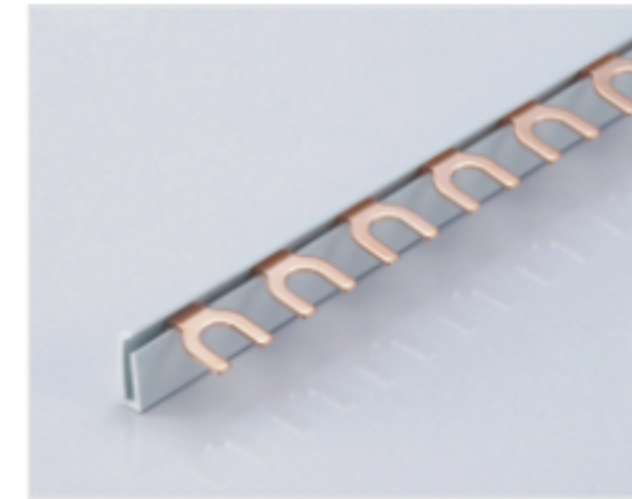


Specification	Model	A	B	C	D	E	Reference current
PIN	4P	1.5	4	9	17.8	11.5	80A
PIN	4P	1.8	4	9	17.8	11.5	100A

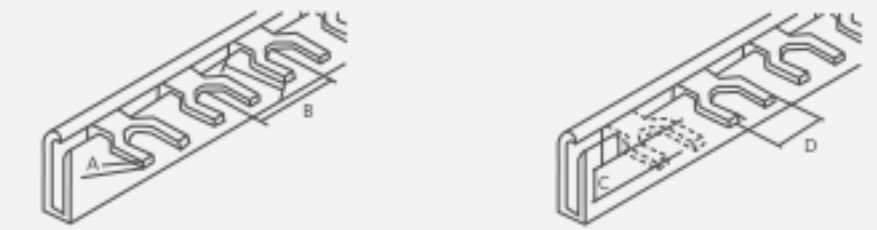
Busbar

Busbar Fork

Material: Copper
 Features: good conductivity, low contact resistance, safe and reliable performance.



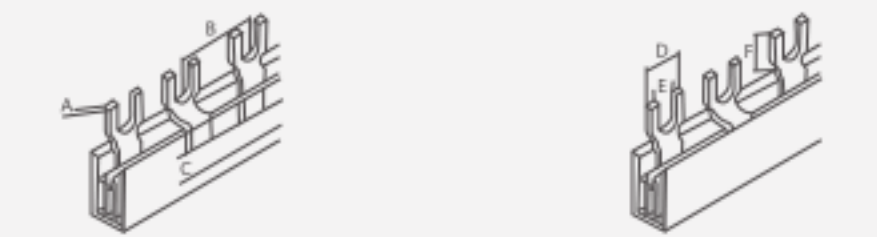
FORK 1P



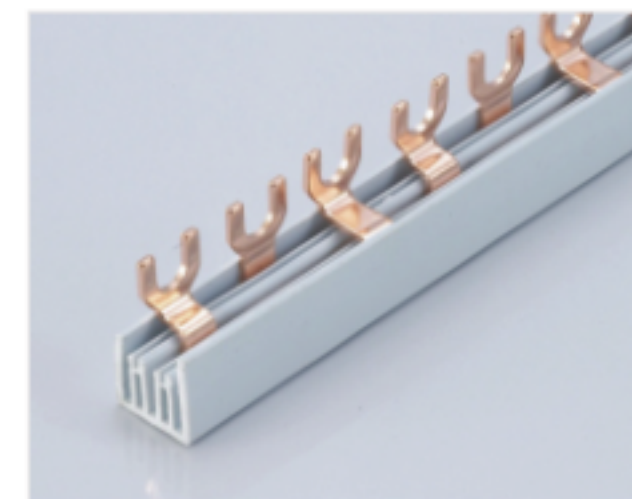
Specification	Model	A	B	C	D	E	F	Reference current
FORK	1P	1.5	17.8	9	12	6	12	80A
FORK	1P	1.8	17.8	9	12	6	12	100A



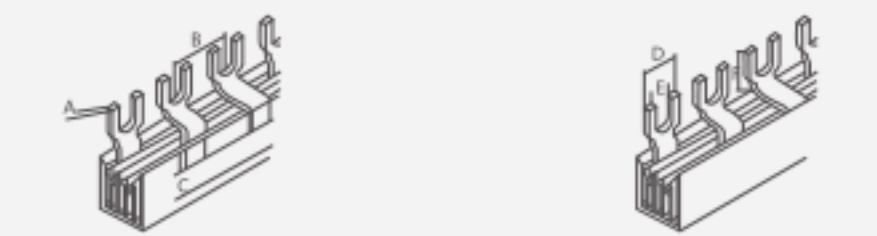
FORK 2P



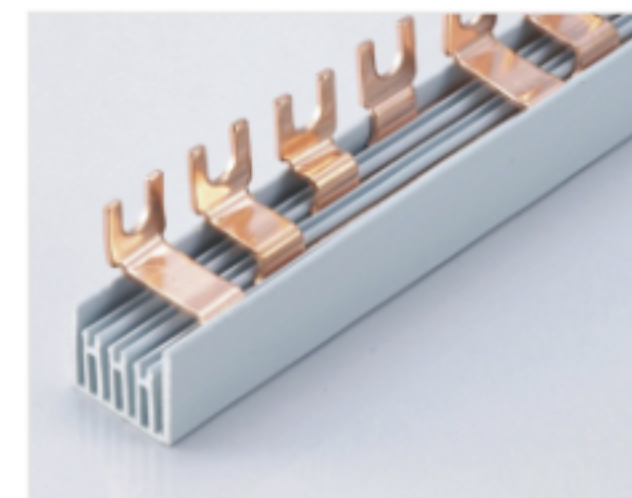
Specification	Model	A	B	C	D	E	F	Reference current
FORK	2P	1.5	17.8	9	12	6	12	80A
FORK	2P	1.8	17.8	9	12	6	12	100A



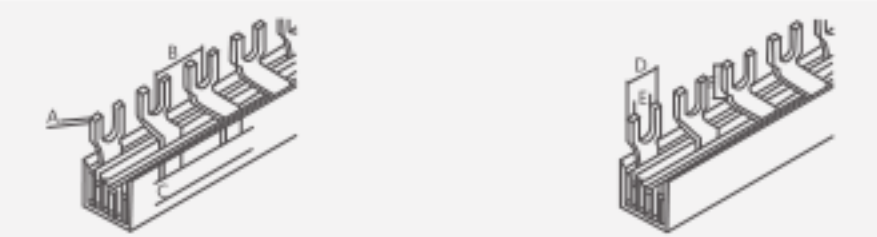
FORK 3P



Specification	Model	A	B	C	D	E	F	Reference current
FORK	3P	1.5	17.8	9	12	6	12	80A
FORK	3P	1.8	17.8	9	12	6	12	100A



FORK 4P



Specification	Model	A	B	C	D	E	F	Reference current
FORK	4P	1.5	17.8	9	12	6	12	80A
FORK	4P	1.8	17.8	9	12	6	12	100A

Fuse

RT18 Low Voltage Fuse

A



RT18-32X



RT18-32



RT18L-125

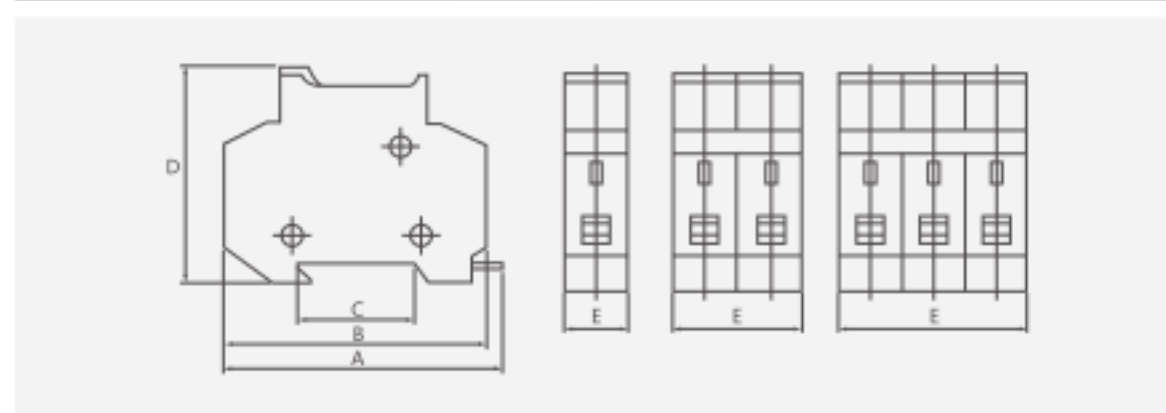


Fuse Link

Fuse Holder

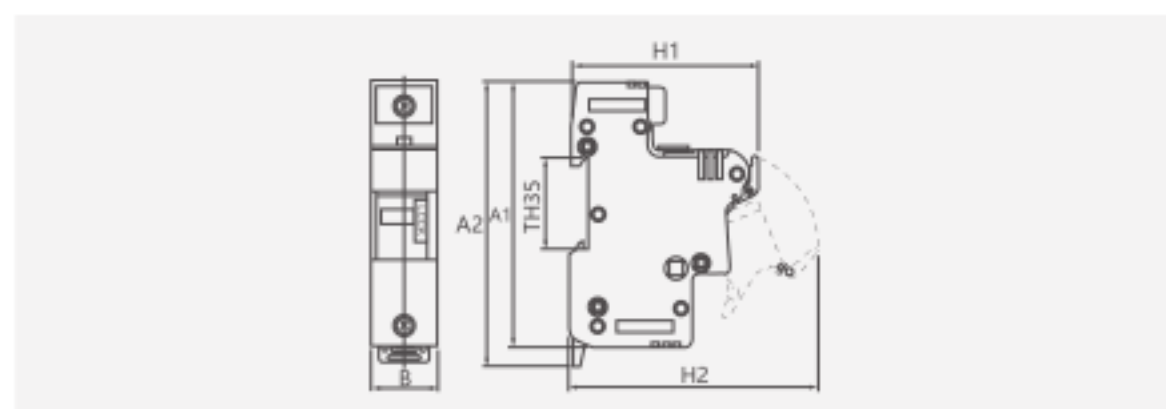
RT18

Type	Assorted Fuse	Rated voltage (V)	Rated Current (A)	Dimension (mm)				
				A	B	C	D	E
RT18-32(32X) 1P	10×38	380	32	82	78	35	63	18
RT18-32(32X) 2P			32	82	78	35	63	36
RT18-32(32X) 3P			32	82	78	35	63	54
RT18-63(63X) 1P	14×51		63	106	103	35	80	26
RT18-63(63X) 2P			63	106	103	35	80	52
RT18-63(63X) 3P			63	106	103	35	80	78



RT18L

Type	Assorted Fuse	Number of Poles	Rated voltage (V)	Conventional heating current (A)	Dimension (mm)				
					A	B	C	D	E
RT18L-63	14×51	1,2,3,4	690	63	108	115	27	78	100
RT18L-125	22×58			125	126	134	36	78	104



Cylindrical Fuse

Technical Specifications

Dimension (mm)	Rated current (A)	L	Hmax(mm)	ΦC
8.5×31.5	2,4,6,10,16	31.5 ⁰ _{-0.6}	8.2	8.5±0.1
10×38	2,4,6,10,16,20,25,32	31.5±0.6	10.5	10.3±0.1
14×51	2,4,6,10,16,20,25,32,40,50,63	51 ^{0.6} ₋₁₀	13.8	14.3±0.1
22×58	10,16,20,25,32,40,50,63,80,100	58 ¹⁰ ₋₂₀	16.2	22.2±0.1
30×58	63,80,100,125	58 ¹⁰ ₋₂₀	16.2	30±0.1

YCZF6

Self-recovery Overvoltage and Undervoltage Protector



CNC
ELECTRIC

YCZF6 Self-recovery Overvoltage and Undervoltage Protector

General

A self-recovery overvoltage and undervoltage protector is a new type of intelligent protection apparatus. With the modular standard design, in case of overvoltage or undervoltage of power supply line, the protector can quickly and safely break the circuit under continuous high voltage surge, avoiding the happening of an accident due to abnormal voltage entry into the terminal apparatus; when voltage resumes normal value, the protector will automatically close the circuit within the specified time to ensure the terminal apparatus can operate normally in an unattended way.

self-recovery overvoltage and undervoltage protector is applied for the users or loads of AC 230V, 50Hz and rated operating current and below. It is mainly used in the household distribution box or other distribution line requiring protection.



- Meet the requirements of building electrical design code;
- Small size, automatic reset without manual operation;
- Cut off the circuit quickly and safely when the voltage fluctuation is too high or too low;
- Automatic re-closing and voltage loss trip function by detecting voltage;
- With over voltage, under voltage, re-closing indicator state;
- Low power consumption and long service life.

YCZF6 Self-recovery Overvoltage and Undervoltage Protector

Normal Operating Conditions and Mounting Conditions

Ambient temperature: $-35^{\circ}\text{C} \sim 70^{\circ}\text{C}$

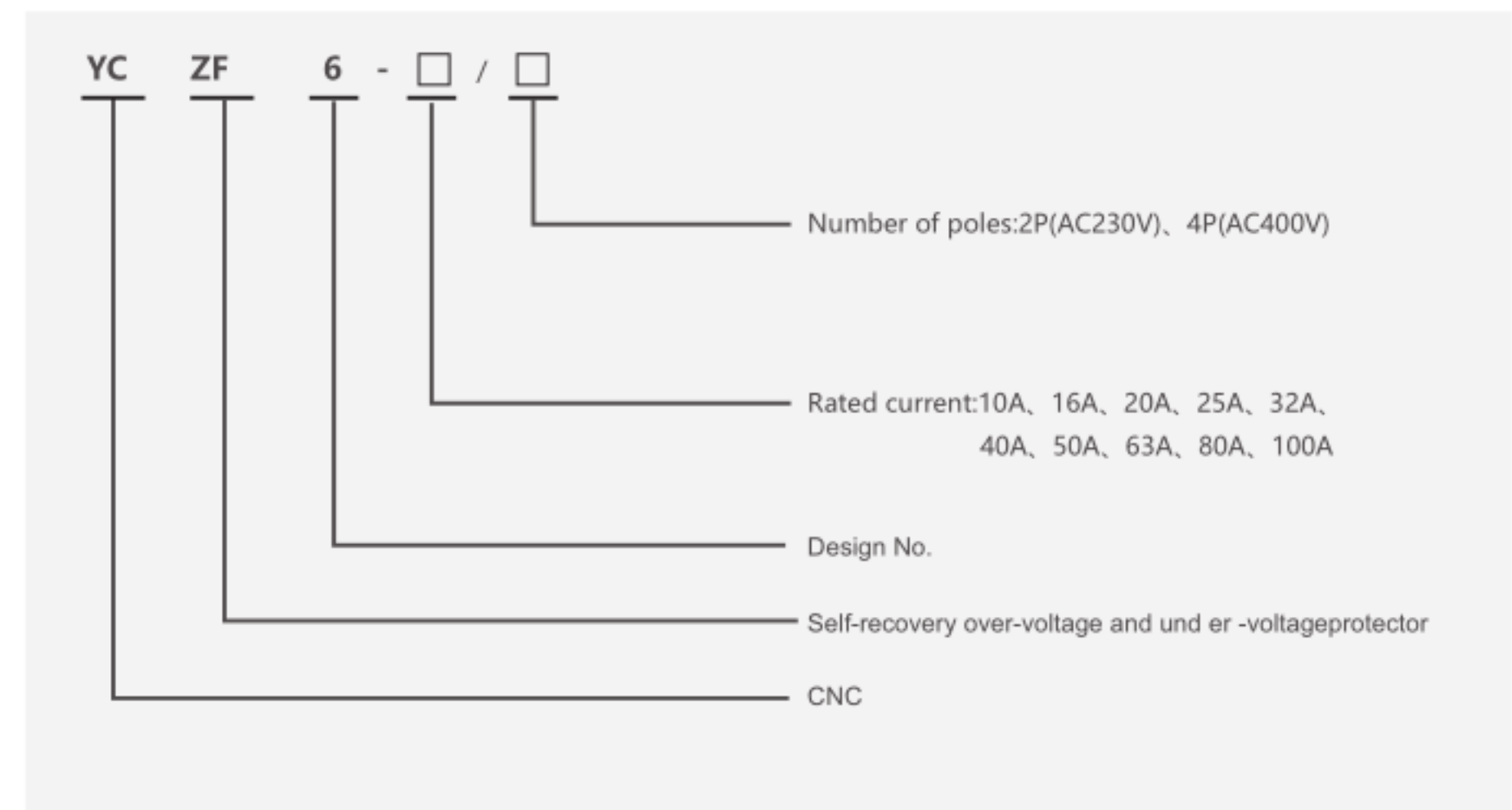
Altitude: $\leq 3000\text{M}$

Atmospheric conditions: The atmospheric relative humidity is not more than 50% when the ambient air temperature is $+40^{\circ}\text{C}$; high relative humidity is permitted under low temperature, For example, it may be up to 90% at $+20^{\circ}\text{C}$; special measures should be taken in case of occasional condensation due to temperature variation;

Pollution degree: level 2;

Mounting category: category II or III.

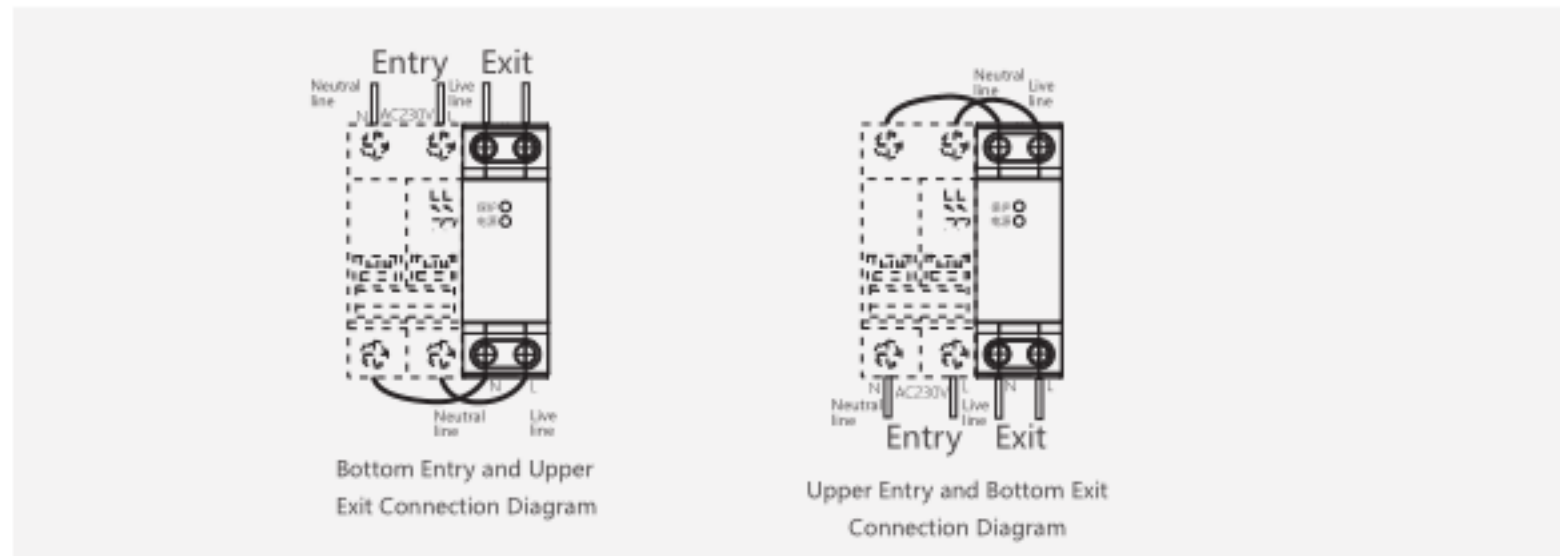
Mounting form: It is installed using the TH35-7.5 section steel mounting rail. The inclination of installing surface cannot exceed 5° .



Main Parameters and Technical Indices

Rated voltage	AC230V/400V 50Hz
Overvoltage operation cutoff value	275V±5V
Undervoltage operation cutoff value	165V±5V
Rated operating current	10A, 16A, 20A, 25A, 32A, 40A, 63A, 80A, 100A
Operating time of protection	≤1s
Time delay close time	20s-60s
Electric mechanical life	≥50000 times
Power consumption	≤2W

Wiring diagram



Overall and mounting dimensions(mm)

