

Brochure

Axis7 Series



CNC
ELECTRIC

Final Distribution Products

Delivering precision, protection, and peace of mind — our final distribution solutions are designed for residential, commercial, and light industrial environments. From miniature circuit breakers (MCB) to residual current devices (RCD), every product in the Axis7 range ensures safe, standardized, and space-efficient terminal protection at every circuit endpoint.



Residential, Commercial,
and Industrial Use



Versatile Electrical
Distribution



Global-Ready
Standardization



Reliable Safety in All
Applications



High-Precision
Manufacturing

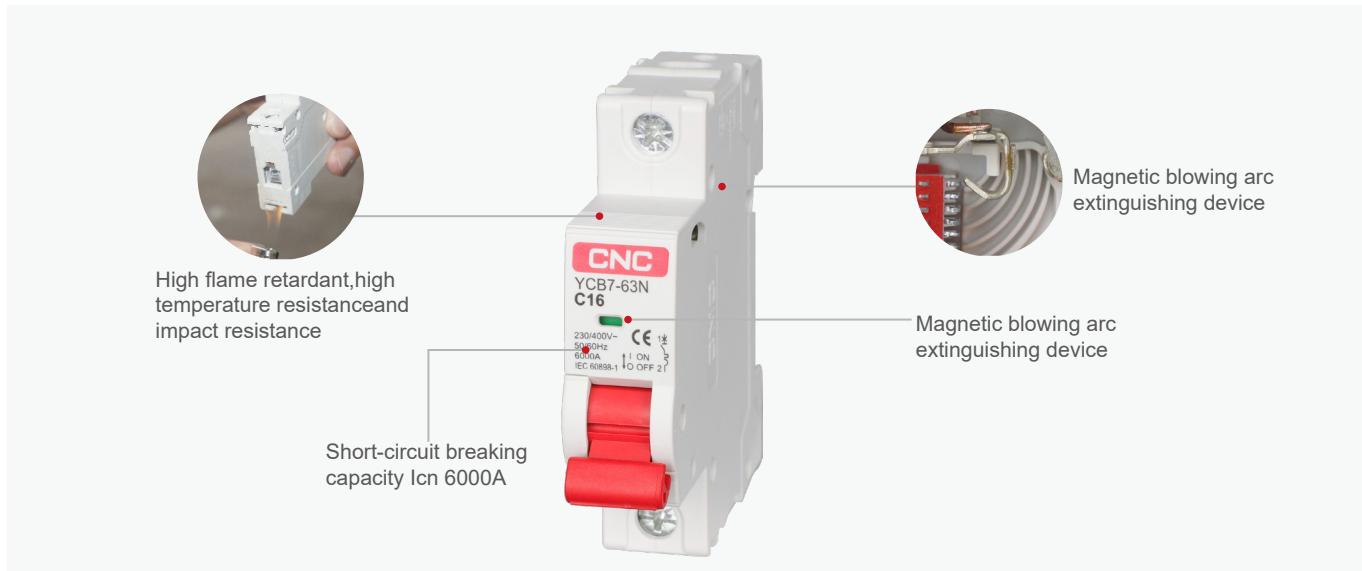


Worldwide Support
Network

CNC
ELECTRIC

Miniature Circuit Breaker (MCB)

YCB7-63N



General

The YCB7-63N series miniature circuit breaker are suitable for overcurrent protection building line facilities and similar purposes in AC 50/60Hz, rated voltage 230V/400V, rated current up to 63A circuits. They have isolation, overload, and short circuit protection functions, and can also be used for infrequent operation and switching of lines under normal circumstances. Circuit breakers are suitable for various places such as industry, commerce, high-rise buildings, and residential buildings.

Standard: IEC/EN 60898-1.

- Certifications: INMETRO, CB, CE, EAC
- Rated Current: 1-63A
- Tripping Curve: B, C, D
- Breaking Capacity: 6kA
- Full range of accessories

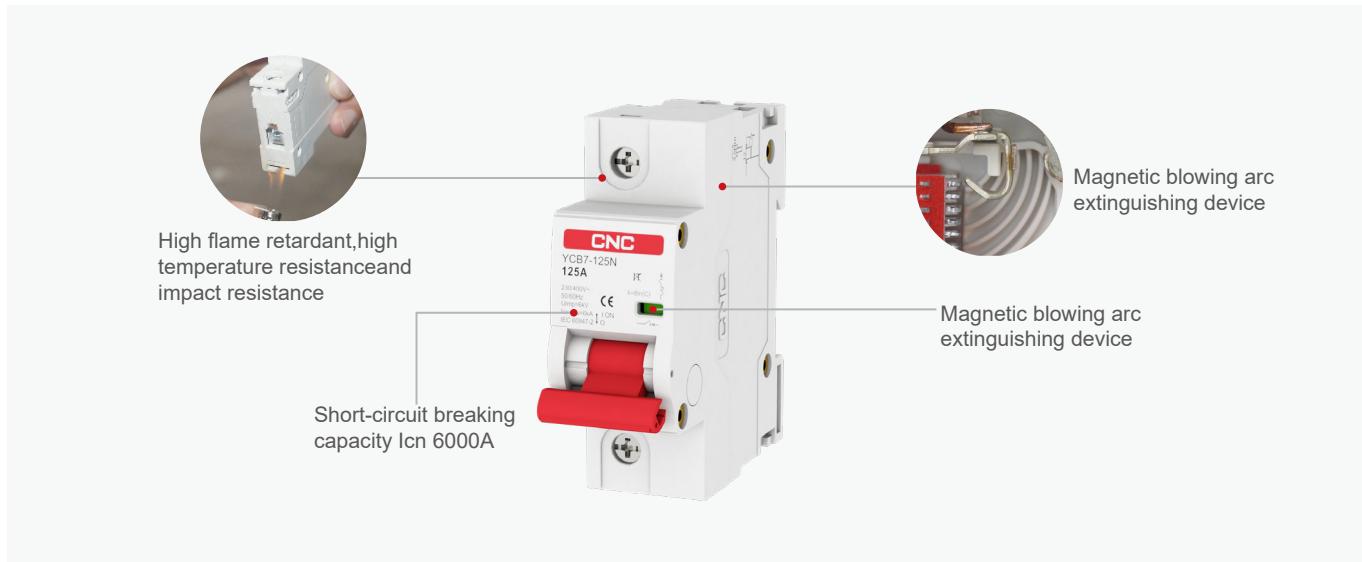
Specifications

Type	Standard	IEC/EN 60898-1
Comprehensive data	Number of poles	1P,2P,3P,4P
	Rated current In	A
	Rated frequency	Hz
Electrical features	Rated voltage Ue	V
	Rated insulation voltage Ui	V
	Rated breaking capacity Icn	A
	Rated impulse withstand voltage Uimp(1.2/50)	kA
	Pollution degree	2
	Use category	II, III
	Trip type	Thermal magnetic release
	Thermal magnetic tripping characteristics	B,C,D
	Mechanical life	Times
	Electrical life	Times
Mechanical features	Protection degree	IP20
	Antihumidity and heat resistance	The relative humidity of the air is not more than 50%, when the ambient air temperature is +40°C, and it can have a higher relative humidity at a lower temperature

* For detailed product information, visit our official website: www.cncele.com

Miniature Circuit Breaker (MCB)

YCB7-125N



General

YCB7-125N miniature circuit breaker(circuit breaker)is applicable to the circuit with AC50 Hz/60Hz, rated voltage of no more than 400V, and rated current from 10A to 125A for overload protection and shortcircuit protection.

This product can be applied to various places such as industrial, commercial, tall buildings, and residential houses.

- Certifications: CE, EAC
- Rated Current: 10-125A
- Tripping Curve: (8~12)In C, D
- Breaking Capacity: 6kA
- Full range of accessories

Standard: IEC 60947-2, IEC 60947-2, IEC 60898-1

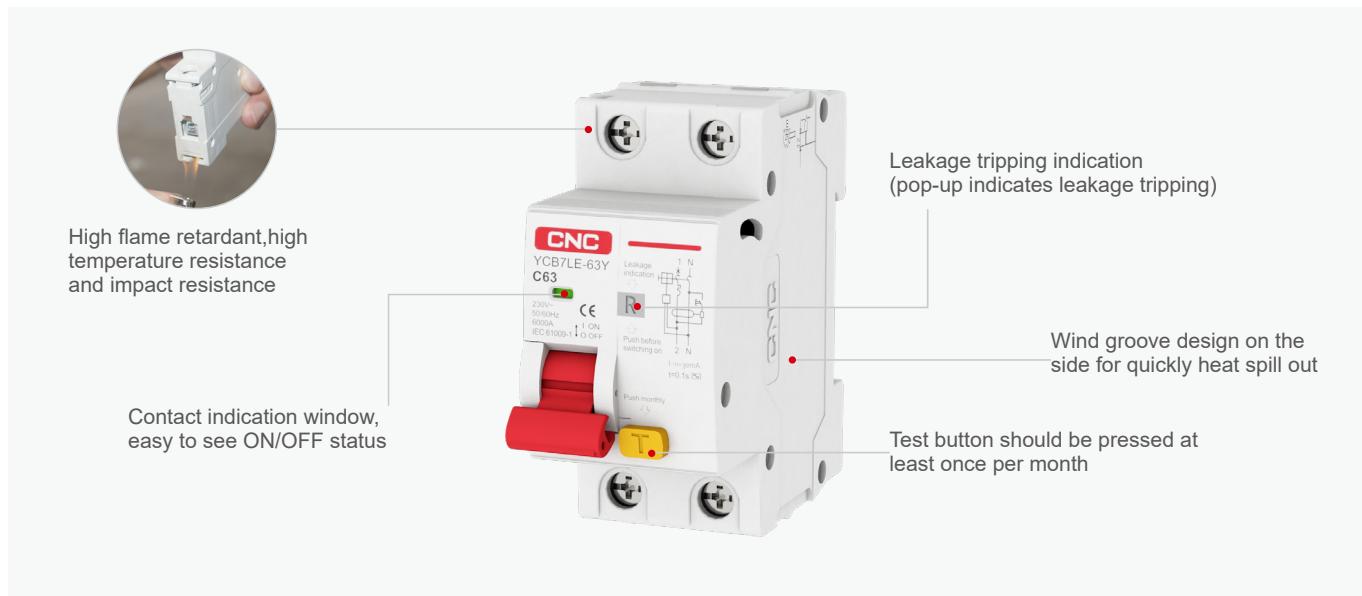
Specifications

Type	Standard	IEC/EN 60947-2	IEC/EN 60898-1
Comprehensive data	Number of poles		1P,2P,3P,4P
	Rated current I_n	A	10,16,20,25,40,50,63,80,100,125
	Rated frequency	Hz	50/60Hz
Electrical features	Rated voltage U_e	V	230/400
	Rated insulation voltage U_i	V	500
	Rated breaking capacity I_{cn}	A	6000
	Rated impulse withstand voltage(1.2/50) U_{imp}	V	6000
	Dielectric test voltage at ind. Freg. for 1min	kA	2.5
	Pollution degree		3
	Trip type		Thermal magnetic release
	Thermal magnetic tripping characteristics		(C) $i_t=8I_n$, (D) $i_t=12I_n$
	Mechanical life	Times	8500
Mechanical features	Electrical life	Times	1500
	Protection degree		IP20
	Ambient temperature (with daily average $\leq 35^{\circ}\text{C}$)		-5~+40(Special application please refer to temperature compensation correction)

* For detailed product information, visit our official website: www.cncele.com

Residual Current Breaker with Overcurrent Protection (RCBO)

YCB7LE-63Y



General

YCB7LE-63Y series integrated residual current operated circuit breaker is mainly used in AC 50/60Hz rated voltage 230V rated current up to 63A lines, as a load line for leakage (electric shock), overcurrent and short circuit protection. It can also be used for infrequent connection, disconnection, and switching.

Standard:IEC/EN 61009-1

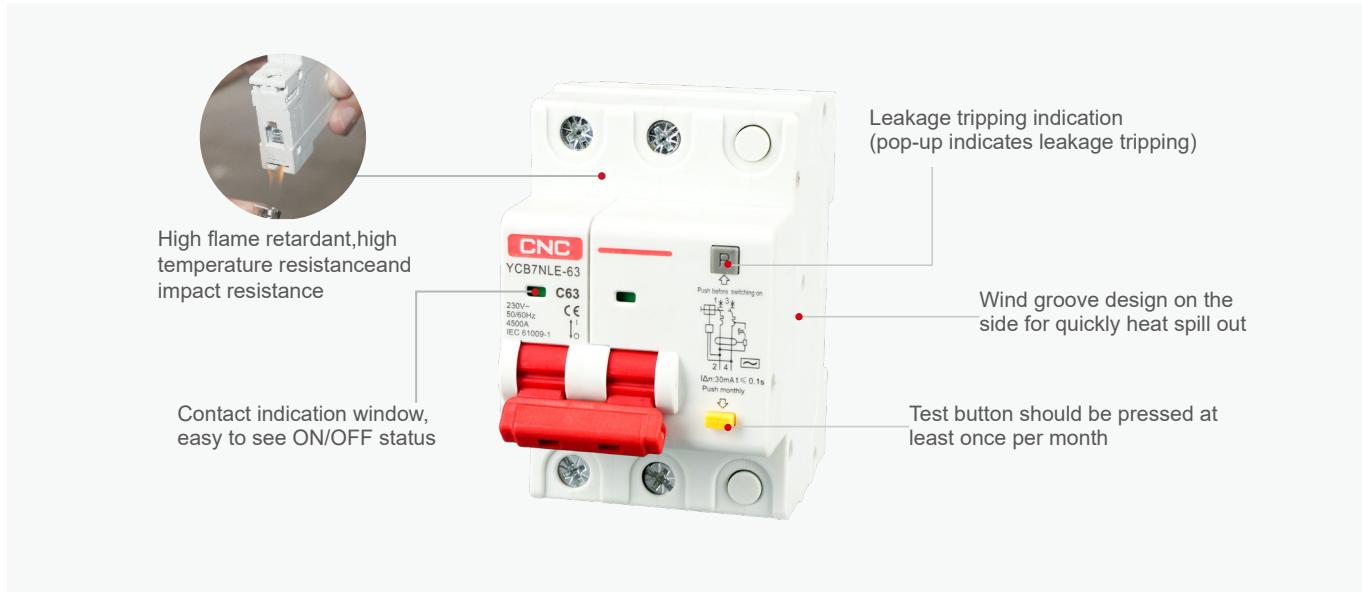
- Certifications: CE, EAC
- Rated Current: 6-63A
- Tripping Curve: B, C, D
- Breaking Capacity: 4.5kA
- Integrated leakage, narrow width, leakage indication button

Specifications

Type	Standard		
Electrical features	Poles	P	1P+N
	Type(wave form of the earth leakage sensed)		AC, A
	Thermomagnetic 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 $I\Delta n$	A	0.03, 0.1, 0.3
	Rated residual making and breaking capacity $I\Delta m$	A	630
	Rated short-circuit capacity Icn	A	6000
	Break time under $I\Delta n$	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	times	4000
	Mechanical life	times	10000
	Contact position indicator		Yes
	Protection degree	times	IP20
	Ambient temperature(with daily average $\leq 35^{\circ}\text{C}$)	$^{\circ}\text{C}$	-5~+40
	Storage temperature	$^{\circ}\text{C}$	-25~+70

Multi-pole Residual Current Breaker with Overcurrent Protection (RCBO)

YCB7NLE-63



General

YCB7NLE-63 series RCBO is suitable for AC 50/60Hz, rated voltage up to 400V, rated current up to 63A circuits. It is used for leakage and overcurrent protection for similar purposes to prevent fire or casualties caused by line leakage or electric shock.

- Certifications: CE, EAC
- Rated Current: 6-63A
- Tripping Curve: B, C, D
- Breaking Capacity: 4.5kA
- Multi-pole design with leakage indication

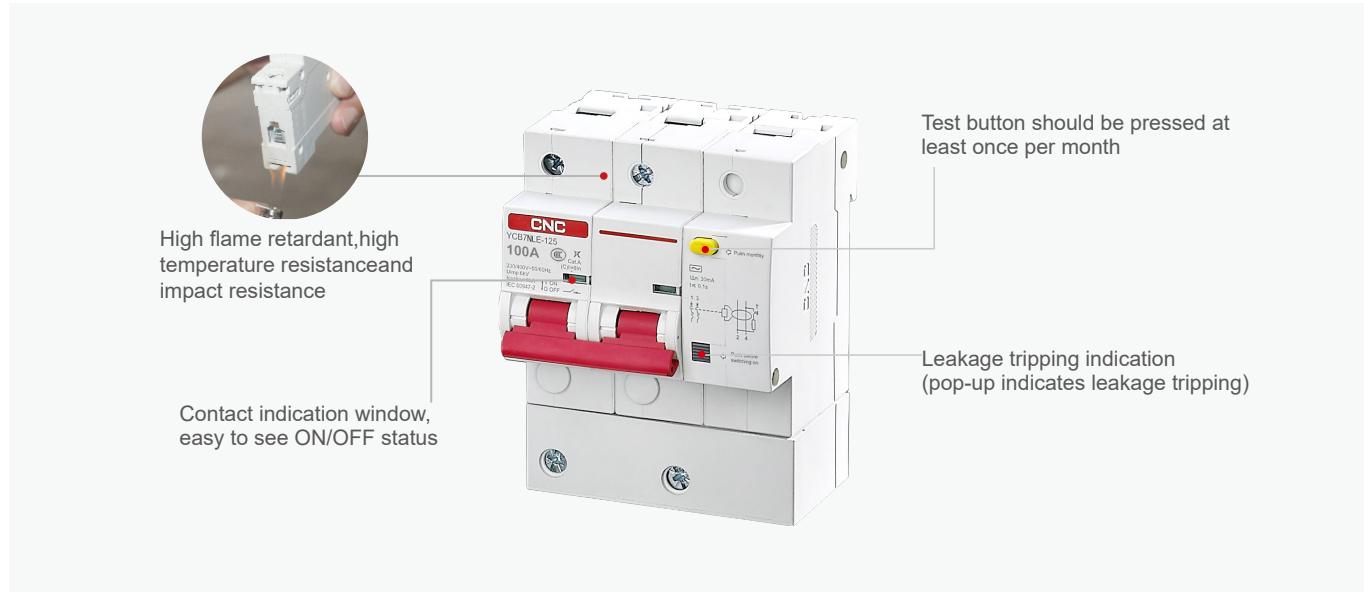
Specifications

Type	Standard	IEC/EN61009-1	IEC/EN 60898-1
Electrical features	Poles	P	1P+N,2,3,3P+N,4
	Type(wave form of the earth leakage sensed)		AC
	Thermomagnetic release characteristic		B,C,D
	Rated current In	A	6,10,16,20,25,32,40,50,63
	Rated voltage Ue	V	230VAC(1P+N,2P)400VAC(3P3P+N,4P)
	Rated sensitivity $I \Delta n$	A	0.03,0.05,0.1,0.3
	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	4500
	Break time under $I \Delta n$	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

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Multi-pole Residual Current Breaker with Overcurrent Protection (RCBO)

YCB7NLE-125



General

YCB7NLE-125 series RCBO is suitable for AC 50/60Hz, rated voltage up to 400V, rated current up to 125A circuits. It is used for leakage and overload protection for similar purposes to prevent fire or casualties caused by line leakage or electric shock.

Certifications: CE, EAC
Rated Current: 80, 100, 125A
Tripping Curve: 8~12In
Breaking Capacity: 6kA

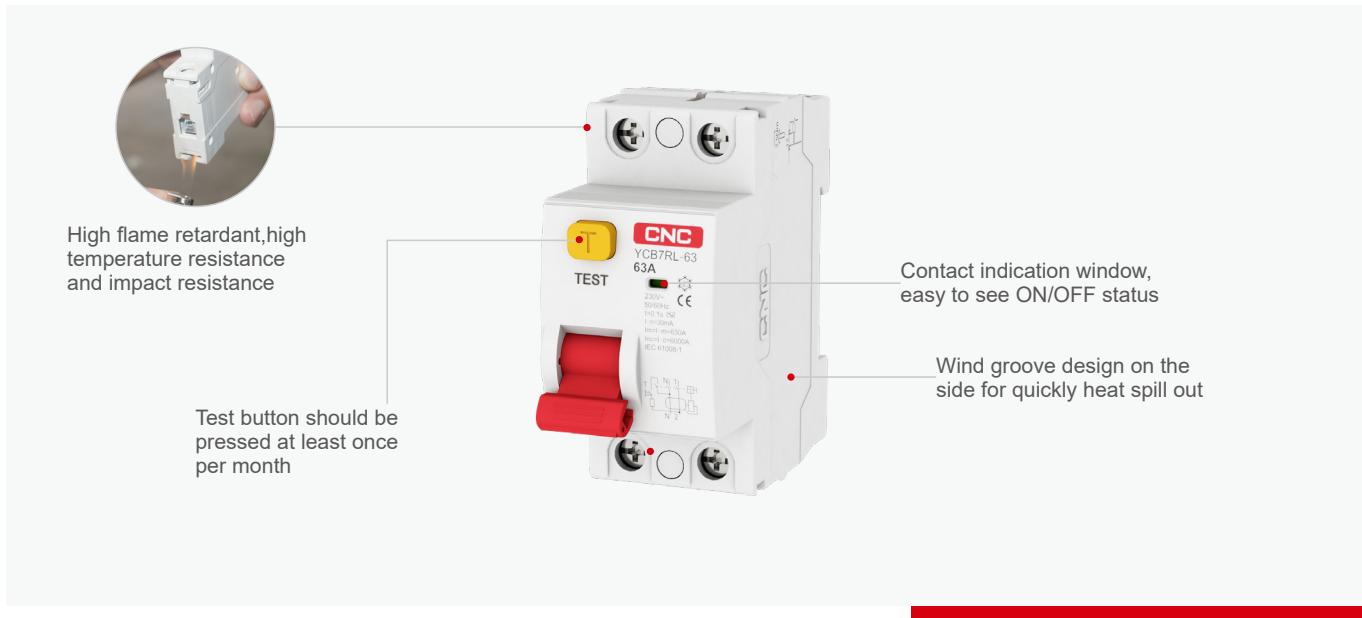
Specifications

Standard	Standard	IEC/EN61009-1
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 △ n	A 0.03,0.1,0.3
	Rated short-circuit capacity Icn	A 6000
	Break time under I △ 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 ≤ 35°C)	°C -5...+40
	Storage temperature	°C -25....+70

* For detailed product information, visit our official website: www.cncele.com

Residual Current Circuit Breaker (RCCB)

YCB7RL-63



General

YCB7RL-63 series electromagnetic residual current operated circuit breaker is mainly suitable for AC distribution networks with a rated working voltage of 230V or 400V at 50Hz and a rated current of 63A. Used for indirect contact protection of people, and can also be used to prevent fire hazards caused by insulation damage to circuits and equipment, resulting in ground fault currents.

- Certifications: CE, EAC
- Rated Current: 6-63A
- Rated Making and Breaking Capacity: 500A
- (In ≤40A); 630A (In =50A/63A)
- Short-circuit Capacity: 6kA, 10kA
- A type/AC type optional, 10mA-300mA leakage value optional

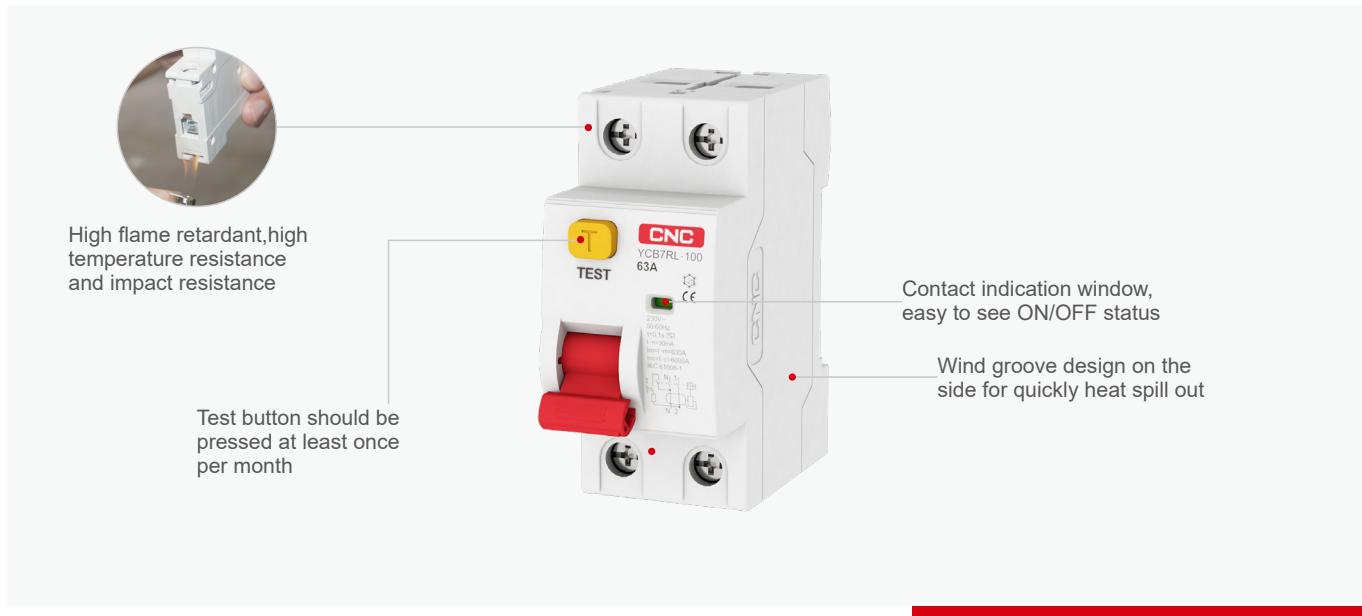
Specifications

Type	Standard		
Electrical features	Leakage type		Electromagnetic type
	Rated current In	A	6, 10, 25, 32, 40, 50, 63
	Type (wave form of the earth leakage sensed)		A, AC
	Poles	P	1P+N, 3P+N
	Rated voltage Ue	v	230/400
	Insulation voltage Ui	V	500
	Rated frequency	Hz	50/60
	Rated breaking capacity $I_{nc}=I_{\Delta c}$	A	6000, 10000
	Rated impulse withstand voltage(1.2/50)Uimp	V	6000
	Dielectric test voltage at ind.Freq.for 1min	Kv	2.5
	Rated sensitivity $I_{\Delta n}$	A	0.03, 0.1, 0.3
	Rated residual making and breaking capacity $I_{\Delta m}$	A	500($I_n \leq 40A$); 630($I_n = 50A/63A$)
Mechanical features	Pollution degree		2
	Electrical life	times	4000
	Mechanical life	times	8000
	Protection degree		IP20
	Storage temperature	°C	-25~+70
	Ambient temperature(with daily average≤35°C)	°C	-5~+40

* For detailed product information, visit our official website: www.cncele.com

Residual Current Circuit Breaker (RCCB)

YCB7RL-100



General

YCB7RL-100 series electromagnetic residual current operated circuit breaker is mainly suitable for AC distribution networks with a rated working voltage of 230V or 400V at 50Hz and a rated current of 100A. Used for indirect contact protection of people, and can also be used to prevent fire hazards caused by insulation damage to circuits and equipment, resulting in ground fault currents.

Certifications: CB, CE, EAC

Rated Current: 6-100A

Rated Making and Breaking Capacity: 500A (In ≤40A), 630A (In =50A/63A), 1000A (In =80A/100A)

Short-circuit Capacity: 6kA, 10kA

A type/AC type optional, 10mA-300mA leakage value optional

Specifications

Type	Standard		
Electrical features	Leakage type		Electromagnetic type
	Rated current In	A	6, 10, 25, 32, 40, 50, 63, 80, 100
	Type (wave form of the earth leakage sensed)		A, AC
	Poles	P	1P+N, 3P+N
	Rated voltage Ue	v	230/400
	Insulation voltage Ui	V	500
	Rated frequency	Hz	50/60
	Rated breaking capacity $I_{nc}=I_{\Delta c}$	A	6000, 10000
	Rated impulse withstand voltage(1.2/50)Uimp	V	6000
	Dielectric test voltage at ind.Freq.for 1min	Kv	2.5
	Rated sensitivity $I_{\Delta n}$	A	0.03, 0.1, 0.3
	Rated residual making and breaking capacity $I_{\Delta m}$	A	500(In≤40A);630(In=50A/63A);1000(In=80A/100A)
Mechanical features	Pollution degree		2
	Electrical life	times	4000
	Mechanical life	times	8000
	Protection degree		IP20
	Storage temperature	°C	-25~+70
	Ambient temperature(with daily average≤35°C)	°C	-5~+40

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Surge Protective Device (SPD)

YCS7N



General

YCS7N 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 80kA lightning stroke current.

- Certifications: CE, EAC
- Max Discharge Current (Imax): 10-80kA
- Max Continuous Operating Voltage (Uc): 275V, 385V, 420V
- Type T1 available (limp = 12.5kA, 15kA)

Specifications

Model & spec	Rated operating voltage (Un)	Max continuous operating voltage Uc(V)	Protection level UP(KV)	Nominal operating current in 8/20us (kA)	Max effective current 8/20us (kA)	Lightning impulse current 10/350us (kA)	Response time ns	Operating temperature
YCS7N	220V/380V	385/420 140/275 320/440	1.0	5	10	/	<2.5	-40~+80°C
YCS7N			1.5	10	20	/		
YCS7N			1.8	20	40	/		
YCS7N			2.0	30	60	/		
YCS7N			2.2	40	80	/		
YCS7N		255/385 /440	2.0	/	/	12.5		
YCS7N			2.0	/	/	15	<100	

Index	Code	N-PE/12.5	N-PE/15
continuous operating voltage Uc(V)	255V/280V/385		
protection level UP(KV)	$\leq 1.5\text{KV} \leq 2.0\text{KV} \leq 2.5$		
Nominal operating current in 8/20us (KA)	/	/	/
Lightning impulse current 10/350us (KA)	12.5		
Response Time ns	< 100ns		
Color	Blue/White		

* For detailed product information, visit our official website: www.cncele.com

Signal Indicator Light

YCD7



General

YCD7 Series Signal Display Control Rail Module is a versatile module that includes indicators, buttons, illuminated buttons, and buzzer with light functions. It is suitable for circuit control systems operating at AC/DC voltages up to 230V and a frequency of 50/60Hz. This module is designed to provide control, indication, and fault signaling functions in electrical circuit systems.

- Certification: CE
- Rated Operating Voltage: AC230V
- Colors: Red, Yellow, Green
- Features: Long lifespan, low power consumption, compact design, modular structure, optional button control

Specifications

Parameter	Data
Rated working voltage (AC/DC)	6.3V,12V,24V,110V,230V
Rated working current	≤20mA
Working life	≥30000h
Connecting wire	20
Tightening torque	0.8N.m
Protection grade	IP20
Operation temperature	-5°C~+40°C;(with daily average≤35°C)
Altitude	≤2000m
Installation category	II,III
Pollution degree	2
Installation method	DIN rail TH35-7.5

Type designation

Model	Function	Contact	Colour
YCD7	P	22	G
Rail signal module	D:Indicator	G:Green R:Red Y:Yellow B:Blue W:White GR:Green+Red	380V 230V 110V 24V 12V 6.3V

Overvoltage and Undervoltage Protection Device

YC7VAN



General

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.

- Certifications: CE, EAC
- Max Current: 40/63/80A
- Working Voltage: AC 80V-300V
- Overvoltage Setting Range: 130-300V
- Undervoltage Setting Range: 80-210V
- High-precision measurement for single-phase circuit protection

Specifications

Technical data	YC7VAN	YC7VN	YC7AN
Rated Working Voltage		AC 220V	
Operation voltage range	AC 80V-300V		AC 80V-300V
Rated frequency		50Hz/60Hz	
Overvoltage(>U)setting range		130-300V	
Undervoltage(<U)setting range		80-210V	
Rated current	40/63A(subject to product label)		1~40/63A(subject to product label)
> U and <U trip delay	1-999S	Default 30S	0.5S(>A trip delay)
Reset/start delay	1-999S	Default 5S	1-999S
Voltage measurement accuracy	2% (Not exceeding 2% of the overall range)		1% (Not exceeding 1% of the overall range)
Rated insulation voltage		400V	
Output contact		1NO	
Current specification	15A	25A	32A
Rated operating current(I_n , A)	15	25	32
Maximum operating current I_{max} (A, within 10min)	25	30	40
Max. power of load(kW)	3.6	5.5	7
			50A
			63A
			80
			11
			13.9

* For detailed product information, visit our official website: www.cncele.com

Isolation Switch

YCH7-125N



General

YCH7-125N 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 situation. And it functions on disconnection 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.

Standard:IEC600947-3

- Certifications: CE, EAC
- Rated Current: 20-125A
- Standard DIN-rail mounting design
- Visible window for clear status indication

Specifications

Model	YCH7-125N		
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
	Pollution degree		2
	Use Category	t	AC-22A
Mechanical features	Electrical life	t	1500
	Mechanical life		8500
	Protection degree		IP20
Installation	Terminal size top/bottom	mm ²	50
	for cable and pin-type busbar	AWG	18-1/0

* For detailed product information, visit our official website: www.cncele.com



Power Distribution Products

Engineered for control, capacity, and continuity — Axis7 power distribution solutions provide the backbone of electrical systems in commercial buildings, factories, and infrastructure. Featuring molded case circuit breakers (MCCB) and air circuit breakers (ACB), the series ensures high-current reliability, intelligent protection, and simplified maintenance for mission-critical environments.



Residential, Commercial,
and Industrial Use



Versatile Electrical
Distribution



Global-Ready
Standardization



Reliable Safety in All
Applications



High-Precision
Manufacturing



Worldwide Support
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Molded Case Circuit Breaker (MCCB)

YCM8N



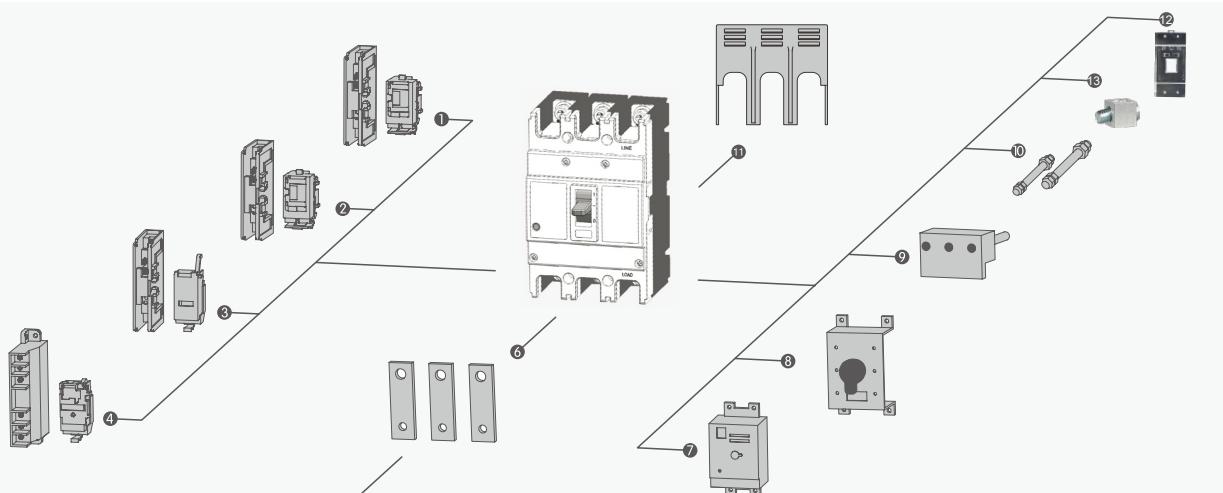
General

YCM8N series circuit breakers are designed to meet domestic and international market needs. With insulation voltage up to 1000V, they are suitable for AC 50/60Hz systems up to 690V, and current from 10A to 630A. They provide power distribution and protection against overload, short circuit, and undervoltage. Featuring high breaking capacity and short arcing, they support both vertical and horizontal installation.

Standards: IEC60947-2.

- Rated Current: 10–630A
- Frame Size: 125/160/250/400/630
- Tripping Curve: Motor & Distribution
- Breaking Capacity: 15–35kA
- Long-time & instantaneous protection, with isolation
- Certifications: CE, EAC

Overview



* For detailed product information, visit our official website: www.cncele.com

Molded Case Circuit Breaker (MCCB)

YCM8N

Type designation

YCM8 - 125 S P / 4 300 2 A 125A □ □ □ □

Type	Frame Inm	Breaking capacity Icu/Ics(kA)	Operation	Poles
YCM8	125	S	P	4
MCCB	800: 500,600,700,800 1250: 1000,1250,1600 Note: 125 is the upgraded 63 frame, 160 is the upgraded 100 frame, 250 is the upgraded 225 frame, 630 is the upgraded 400 frame	125 S 160 15/10 25/18 250 25/18 400 35/25 630 35/25	P: Motor-driven Z: Rotary handle W: operate directly	2: two poles 3: three poles 4: four poles

Tripping mode and inner accessory	Application	Option for 4P MCCB	Rated current(A)
300 The first number indicate release mode 2: only with the instantaneous release device 3: complex release Note: the last two numbers are attachment code (see attachment table)	2 1: for distribution 2: for protecting the motor	A A: N pole without protection, can not switch B: N pole without protection, can switch C: N pole without protection, can switch D: N pole without protection, can not switch	125A 125 10,16,20,32,40,50,63,80, 100,125 160 10, 16, 20, 32, 40, 50, 63, 80, 100, 125, 140, 160 250 100, 125, 140, 160, 180, 200, 225, 250 400 250, 300, 315, 350, 400 630 400, 500, 630

Air Circuit Breaker (ACB)

YCW3



General

YCW3 series air circuit breaker (ACB) is designed for AC 50/60Hz circuits with rated voltages of 400V/690V and currents from 200A to 6300A. It distributes power and protects against overload, undervoltage, short circuit, and single-phase grounding faults. Featuring intelligent and selective protection, it enhances power reliability and reduces outages. Suitable for power stations, factories, mines (690V), and intelligent building systems.

Standard: IEC/EN 60947-2.

- Rated Current: 200–6300A
- Frame Size: 1600/2000/2500/3200/4000/6300
- Tripping Curve: Motor & Distribution
- Breaking Capacity: 65–135kA
- Intelligent, modular, communicable, multi-function
- Full range of accessories
- Certification: CE

Specifications

Item	Description						
Number of Poles	3,4						
Rated voltage Ue(V)	400/415, 660/690						
Rated insulation voltage Ui(V)	1000						
Rated impulse withstand voltage Uimp(kV)	12						
Rated frequency(Hz)	50/60						
Have function of switch disconnector							

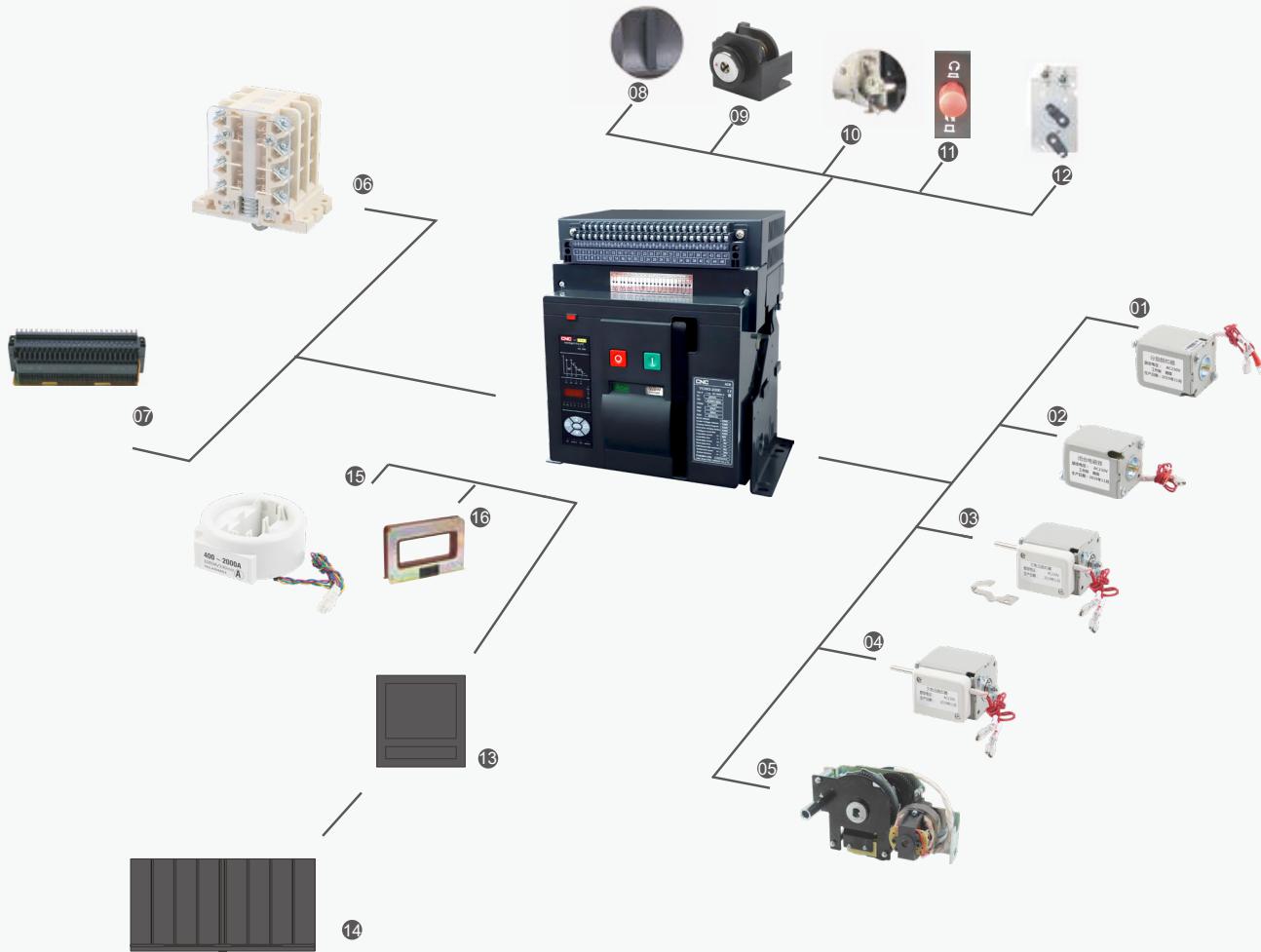
Rated current In(A)	1600	2000	2500	3200	4000	6300
Rated ultimate short circuit breaking capacity Icu(kA)	400/415V	65	80	100	100	120
	660/690V	50	65	70	85	85
Rated service short circuit breaking capacity Ics(kA)	400/415V	55	65	80	80	100
	660/690V	42	65	70	70	85
Rated short time withstand current Icw.1s(kA)	400/415V	50	65	80	80	100
	660/690V	42	65	70	70	85
Rated short circuit making and breaking capacity Icm(kA)	400/415V	110	176	220	220	264
	660/690V	77	143	154	154	187
Electric life	8000	8000	8000	8000	600	1500
Mechanical life (Maintenance)	30000	30000	30000	20000	20000	5000
Mechanical life (Non-maintenance)	20000	15000	15000	12500	10000	2500

* For detailed product information, visit our official website: www.cncele.com

Air Circuit Breaker (ACB)

YCW3

Accessories



Remote operation

- ① shunt release
- ② closing electromagnet
- ③ under-voltage release instantaneouse type
- ④ under-voltage release time-delay type
- ⑤ motor-driven energy-storage mechanism

Indication contact

- ⑥ auxiliary contact
- ⑦ secondary wiring terminal

Lock and connection

- ⑧ padlock
- ⑨ key lock
- ⑩ door interlock
- ⑪ connected, disconnected, test position locking mechanism
- ⑫ mechanical interlock

Operation and protection

- ⑫ doorcase
- ⑬ phases barrier

Current transformer

- ⑭ external N-pole transformer
- ⑮ leakage current transformer
- ⑯ earthing current transformer

* For detailed product information, visit our official website: www.cncele.com

Air Circuit Breaker (ACB)

YCW3

Type designation

YCW3 - / + Installation + Control unit + Common use accessory + Optional accessory

Type	Rated current in scope of frame size	Number of poles	Installation
YC 3	-	/	Installation
MCCB	1600 Type In: 200A,400A,630A,800A,1000A, 1250A,1600A 2000 Type In: 630A,800A,1000A,1250A,160 0A,2000A 2500 type In:630A,800A,1000A,1250A,1600 A,2000A,2500A 3200 Type In: 2000A,2500A,3200A 4000 Type In: 2500A,3200A,4000A 6300 Type In: 4000A,5000A,6300A	3-default, 4-4 pole	Fixed type-horizontal, vertical Drawout type-horizontal, vertical

Control unit	Common use accessory	Optional accessory
<p>Intelligent controller</p> <p>M type 2M type: digital display, over-current protection (overload, short delay, instantaneous), 4P or 3P+N have earthing protection.</p> <p>3M type: LCD display, over-current protection(overload, short delay, instantaneous), 4P or 3P+N have earthing protection.</p> <p>H type 2H type: communication function, digital display, over-current protection (overload, short delay, instantaneous), 4P or 3P+N have earthing protection.</p> <p>3H type: communication function, LCD display, over-current protection (overload, short delay, instantaneous), 4P or 3P+N have earthing protection.</p>	<p>Common use accessory</p> <p>Shunt release-AC220V/230V,AC380V/400V, DC220V, DC110V Undervoltage release-AC220V/230V, AC380V/400V, it is classified to instantaneous type and time-delay type. Closing electromagnet-AC220V/230V, AC380V/400V, DC220V, DC110V Motor-driven energy-storage mechanism-AC220V/230V, AC380V/400V, DC220V, DC110V Auxiliary contact-4a4b, 2a6b, 3a3b Note: a-normal open, b-normal close</p>	<p>Optional accessory</p> <p>Mechanical interlock; One circuit breaker (1lock+1key) Two circuit breakers(steel cable interlock, connecting rod interlock, 2lock+1key) Three circuit breakers (3lock+2keys, connecting rod interlock) Automatic power transfer system Current transformer connected with neutral load</p>

PC-class Automatic Transfer Switch (ATS)

YCQ9



1. Conversion position indication window	5. Indicator	10. Model
2 ¹ . Terminal on the normal supply side	6. Phase partition	11. Technical data
2 ² . Terminal on the alternative supply side	7. Operating handle	
3. Manual/automatic operation button	8. Company trademark	
4. Mounting hole	9. Operating handle hole	

General

YCQ9 series automatic transfer switch is suitable for AC 50Hz, rated working voltage AC400V, rated operating current up to 630A three-phase four-wire dual-circuit power supply grid, automatically connect one or several load circuits from one power supply to another to ensure load normal power supply of the circuit. This product is suitable for industrial, commercial, high-rise and residential buildings, etc. more important places.

Standard: IEC 60947-6

- Rated Current: 16–630A
- Poles: 2P / 3P / 4P
- Short-circuit Closing Capacity: 8–52.5kA
- Overvoltage, undervoltage, and phase failure protection
- Certification: CE
- Certification: CE

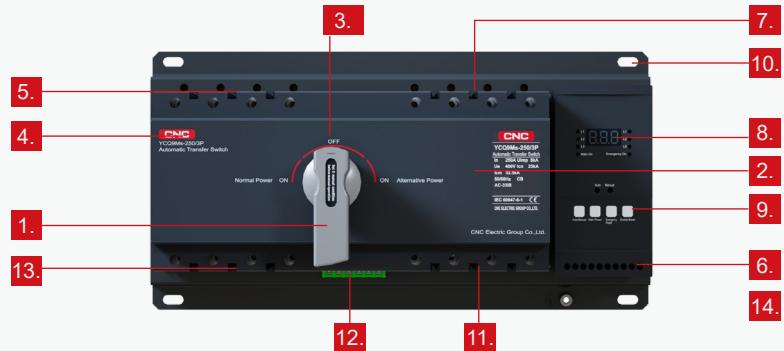
Specifications

Model	YCQ9-63	YCQ9-125	YCQ9-250	YCQ9-630
Function		Isolation, switch		
Structure		Integrated		
Electric equipment level		PC class		
Number of poles		2P, 3P, 4P		
Rated insulation voltage U_i (V)		AC800		AC1000
Rated operating voltage U_e (V)		AC400 (2P product AC230)		AC415
Rated current I_e (A)	16,20,25,32, 40,50,63	50,63,80, 100,125	125,160,200, 225,250	250,315,350,400, 450,000,000
Rated operating frequency (Hz)		50		
Rated impulse withstand voltage U_{imp} (kV)		8		12
Rated impulse withstand current I_{cw} (kA)	5/30ms	10/30ms		25/1ms
Rated short-circuit making capacity I_{cm} (kA)	8	17		52.5
Contact transfer time(s)		0.6±20%		
Operating transfer time(s)		1.3±10%		
Return time(s)		1.3±10%		
Power outage time(s)		0.6±20%		
Operation method		Auto/Manual		
Power supply voltage deviation range(V)		160±10%		
Normal working voltage range		85% U_e ~110% U_e		

* For detailed product information, visit our official website: www.cncele.com

CB-class Automatic Transfer Switch (ATS)

YCQ9Ms



- 1.Handle
- 2.Nameplate
- 3.Main contact position indication
- 4.Trademark
- 5.Normal power input and power sampling line

- 6.Signal terminal: Fire voltage input, generator start signal output
- 7.Alternative power input and power sampling line
- 8.Controller display
- 9.Controller control button

- 10.Fixed screw holes
- 11.Alternative power load side
- 12.Power indication, closing indication, fault indication output terminal
- 13.Normal power load side
- 14.Enclosure grounding terminal

General

YCQ9Ms series ATS is designed for AC 50/60Hz, 400V systems with current up to 800A. It automatically switches between two power sources in case of overvoltage, undervoltage, or phase loss, ensuring uninterrupted supply. With RS485 and MODBUS-RTU, it supports real-time monitoring and remote control. Ideal for critical sites like hospitals, malls, banks, and high-rises

Standard: IEC 60947-6-1.

- Rated Current: 10–800A
- Poles: 3P / 4P
- Breaking Capacity: 30–100kA
- Overvoltage, undervoltage, and phase failure protection
- Certification: CE

Specifications

Type	YCQ9Ms									
Serial number definition	63	125	250	400	630	800				
Rated working current In(A)	10, 16, 20, 25, 32, 40, 50, 63	16, 20, 25, 32, 40, 50, 63, 80, 100, 125	100, 125, 140, 160, 180, 200, 225, 250	250, 315, 350, 400	400, 500, 630	630, 800				
Number of poles	3, 4									
Electrical class	Class CB									
Use category	AC33iB									
Rated working voltage Ue(V)	AC380, 400									
Rated insulation voltage Ui(V)	AC690						AC800			
Rated impulse withstand voltage Uimp(kV)	8									
Rated short-circuit breaking capacity Icn(kA)	15	25	25	35	35	35				
Electrical life	1000			1000	500					
Mechanical life	5000			3000	2500					
Rated working system	Uninterrupt working system									
Overvoltage transfer setpoint	AC230V-AC300V									
Undervoltage transfer setpoint	AC150V~AC210V									
Contact switch time	< 4s									
Disconnection delay	1s-240s continuously adjustable									
Shutdown delay	1s-240s continuously adjustable									

* For detailed product information, visit our official website: www.cncele.com

CB-class Automatic Transfer Switch (ATS)

YCQ9B-63



General

This series of Automatic transfer switch is suitable for AC 50Hz/60Hz, rated working voltage 230V/400V and below power distribution and control circuit. The current up to 63A. It is mainly used as the main switch of terminal electrical appliances, and can also be used to control various types of motors, low-power electrical appliances, lighting and other places.

Standard:IEC60947-6-1

- Rated Current: 16~63A
- Poles: 2P / 3P / 4P
- Breaking Capacity: 5kA
- Certification: CE

Specifications

Type	YCQ9B-63
Rated current(A)	6,10,16,20,25,32,40,50,63
Pole	2P,3P,4P
Rated working voltage(V)	Single phase 230 Three phase 400
Rated insulation voltage Ui	500V
Rated impulse withstand voltage Uimp	4kV
Rated short-circuit making capacity Icm	7.5kA,Power-on time 0.1s
Rated making and breaking capacity Icn	5kA,1.05Ue,cosΦ=0.65
Mechanical life	10000 times
Electrical life	600 times
Transfer action time	≤5s
Undervoltage/Overvoltage action value	165/270±5V

* For detailed product information, visit our official website: www.cncele.com



Industrial Control Products

Reliable control starts here — the Axis7 industrial control range offers compact contactors, dependable relays, and flexible starters designed for safe, stable, and scalable system operation. Ideal for machinery, automation panels, and control cabinets across industrial environments.



Residential, Commercial,
and Industrial Use



Versatile Electrical
Distribution



Global-Ready
Standardization



Reliable Safety in All
Applications



High-Precision
Manufacturing

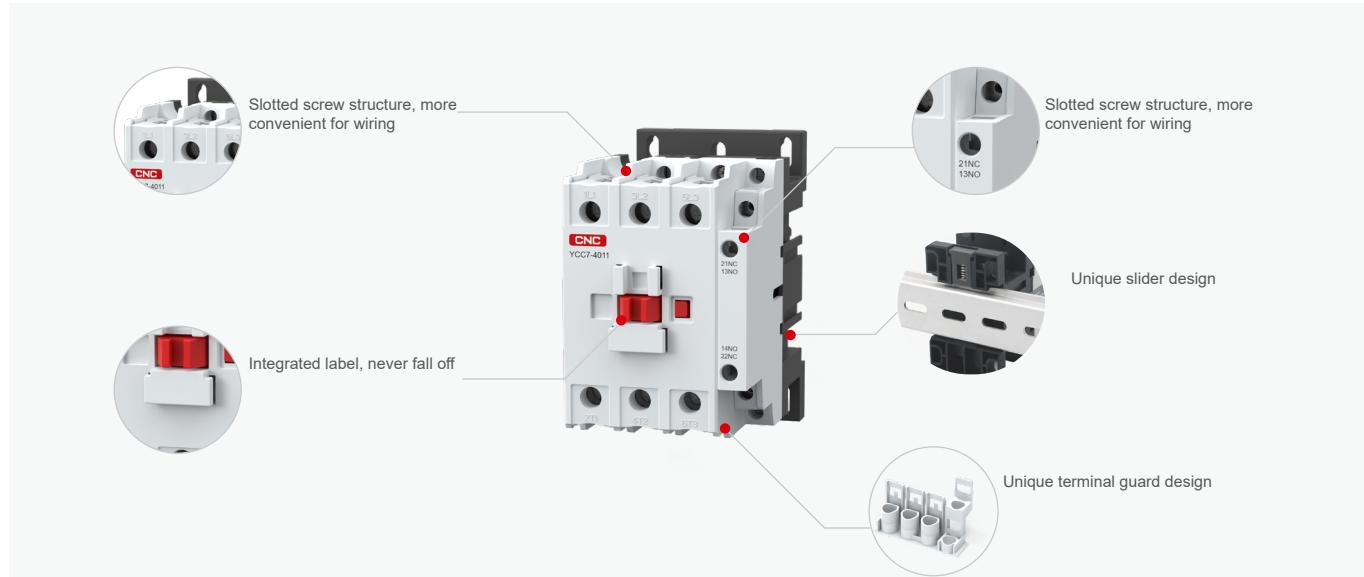


Worldwide Support
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AC Contactor

YCC7



General

YCC7 series AC Contactor with artistic appearance and compact structure is suitable for using starting & controlling the AC motor frequently, switching on and off the circuit at a long distance. It is used in combination with thermal relay to compose a magnetic motor starter.

Standard: IEC 60947-1, IEC 60947-4-1

Rated operation current(I_e): 6-630A

Rated operation voltage(U_e): 220V~690V

Rated insulation voltage: YCC7-M06-16A 690V

YCC7-09-110A 690V

YCC7-120-630A 1000V

Poles: YCC7-M06-16A 3P,4P YCC7-09-630A 3P

Installation: Din rail and screw installation

Type designation

YCC7-M $\square\square$ $\square\square$ - / \square

Product name	Rated current	Breaking capacity	Breaking capacity
YCC7-M	$\square\square$	$\square\square$	- / \square
Design Serial Number	Rated current, expressed as the rated working current value of 400 (380)V and AC-3 (6A,9A,12A,16A)	The types and quantities of contacts, represented by numbers (reversible contactors represent the types and quantities of contacts for a single product) 10:Indicating three normally open main contacts and one normally open auxiliary contact 01: Indicating three normally open main contacts and one normally closed auxiliary contact 08 :Indicating two normally open and two normally closed main contacts 04:Indicating four normally open main contacts	Z represents DC operation, N represents reversible AC contactor

YCC7-120 $\square\square$ $\square\square$ - / \square

Product name	Rated current	Breaking capacity	Breaking capacity
YCC7	120	AC220V	50/60Hz
YCC7	09, 12, 18, 25, 32, 38, 40, 50, 65, 80, 95, 110, 120, 160, 185, 225, 265, 330, 400, 500, 630	48,110,127,220,230,240,380,400,415	50,60,50/60

* For detailed product information, visit our official website: www.cncele.com

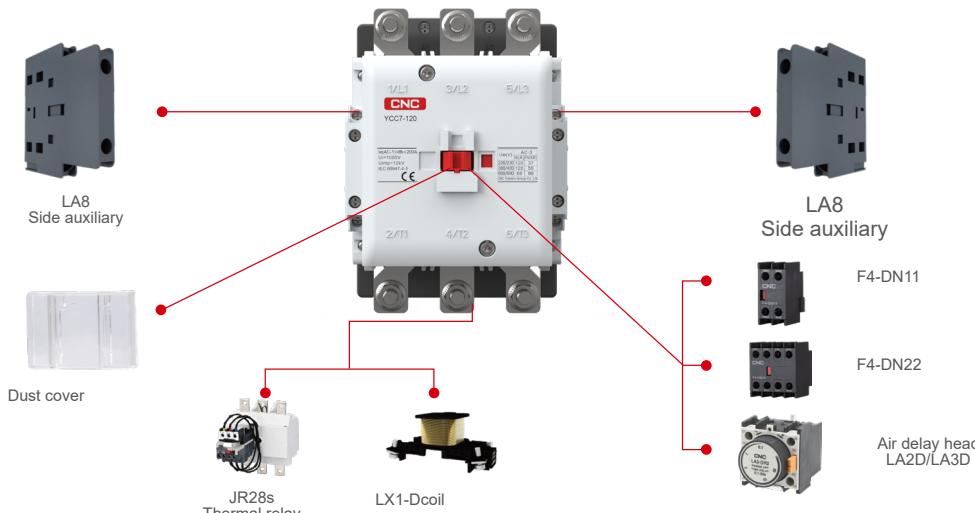
AC Contactor

YCC7

Operating conditions

No.	Three-phase asynchronous motor power KW(AC-3)			Max Operating Current(AC-3 380V/400V)	Contactor Model	The number of auxiliary products	
	220V/230V	380V/400V	380V/400V			Normally Open (NO)	Normally Closed (NC)
1	1.5	2.2	3	6	YCC7-M0610	1	0
2	1.5	2.2	3	6	YCC7-M0601	0	1
3	2.2	4	4	9	YCC7-M0910	1	0
4	2.2	4	4	9	YCC7-M0901	0	1
5	2.2	4	5.5	9	YCC7-09	1	1
6	3	5.5	4	12	YCC7-M1210	1	0
7	3	5.5	4	12	YCC7-M1201	0	1
8	3	5.5	7.5	12	YCC7-12	1	1
9	3	7.5	7.5	16	YCC7-M1610	1	0
10	3	7.5	7.5	16	YCC7-M1601	0	1
11	4	7.5	10	18	YCC7-18	1	1
12	5.5	11	15	25	YCC7-25	1	1
13	7.5	15	18.5	32	YCC7-32	1	1
14	11	18.5	30	40	YCC7-40	1	1
15	15	22	37	50	YCC7-50	1	1
16	18.5	30	37	65	YCC7-65	1	1
17	22	37	37	75	YCC7-80	1	1
18	22	37	45	85	YCC7-95	1	1
19	25	45	45	100	YCC7-110	1	1
20	37	55	80	120	YCC7-120	2	2
21	45	75	100	160	YCC7-160	2	2
22	55	90	100	185	YCC7-185	2	2
23	63	110	110	225	YCC7-225	2	2
24	75	132	160	265	YCC7-265	2	2
25	90	160	200	330	YCC7-330	2	2
26	132	200	300	400	YCC7-400	2	2
27	160	250	335	500	YCC7-500	2	2
28	200	335	350	630	YCC7-630	2	2

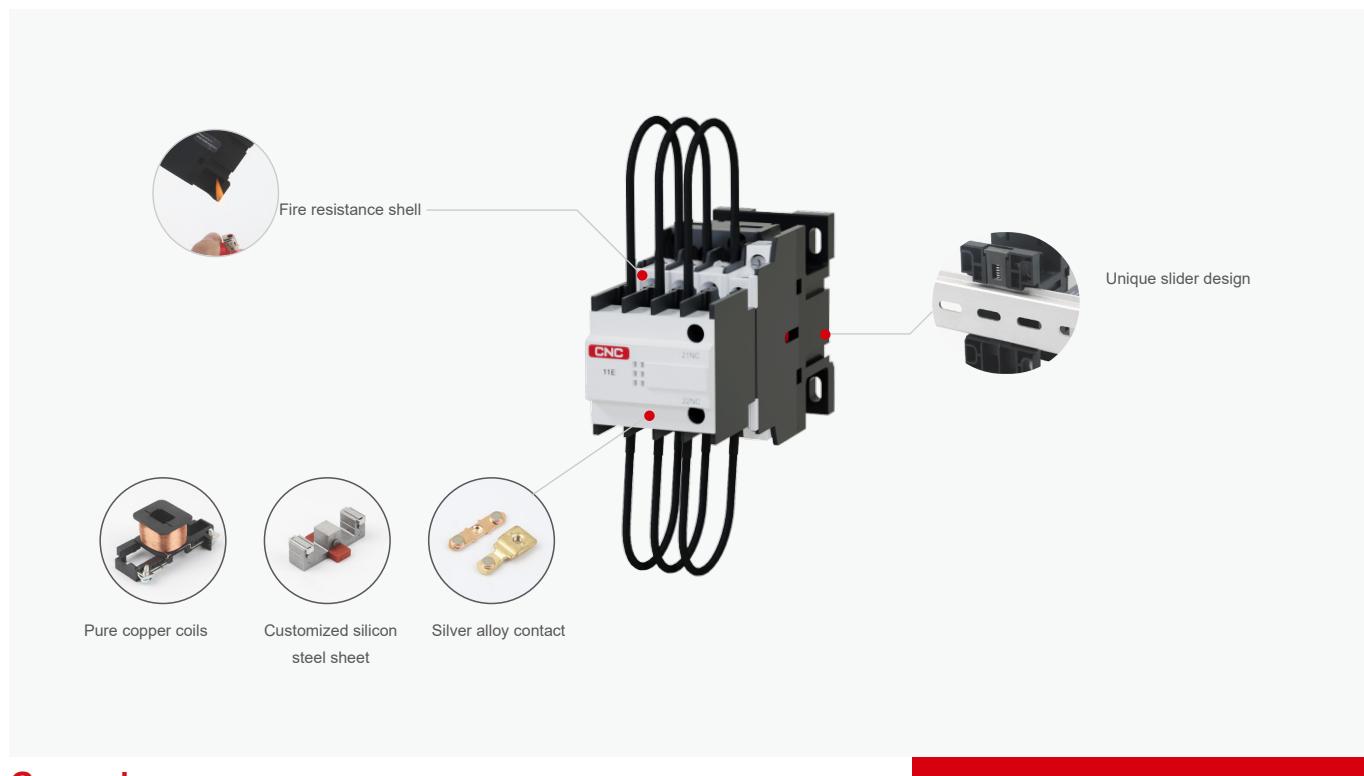
Complete accessories



Standard two LA8 Side auxiliary: To realize 2NO + 2NC auxiliary requirements, and top auxiliary can be configured as needed.

Capacitor Switching Contactor

CJ19



General

CJ19 series AC Contactor is suitable for those circuits whose rated voltage is up to 400V AC 50Hz or 60Hz. CJ19 is used to combine with low voltage reactive power compensators or cut off low voltage shunt capacitor. CJ19 series AC Contactor has restraining device to effectively decrease impact caused by inrush transient current when switch on or over voltage when switch off.

- Rated Current: 16–63A
- Poles: 2P / 3P / 4P
- Breaking Capacity: 5kA
- Certification: CE

Specifications

Item	Type	CJ19-25	CJ19-32	CJ19-43	CJ19-63	CJ19-95	CJ19-115			
Controllable capacitor capacity (kvar)	230V	6	9	10	15	22.5	35			
	400V	12	18	20	30	45	60			
Rated insulation voltage (V)		500								
Rated operating voltage (V)		380								
Conventional thermal current (A)		25	32	43	63	95	115			
AC-6b rated working current (A)		17	23	29	43	72	87			
Restrained surge capacity/Capacitor rated current		20le								
Controlled power voltage (V)		48, 110, 127, 220, 380								
Conventional thermal current of auxiliary contacts (A)		6			10					
Operating frequency (cycles/h)		120								
Electrical life ($\times 10^5$ time)		1								
Mechanical life ($\times 10^5$ time)		10								

* For detailed product information, visit our official website: www.cncele.com

Thermal Overload Relay

JR28se(JR28)



General

JR28se series thermal overload relay are suitable for overload and phase-failure protection of AC motors with frequency of 50/60Hz, voltage up to 690V, current up to 0.1-630A under 8-hours duty or uninterrupted duty.

Functions provided by these relays, are phase-failure protection, ON/OFF indication, temperature compensation, and manual/ automatic reset.

Standard: IEC 60947-4-1

The relays can be mounted onto contactors or installed as single units.

- Rated Current: 25-630A
- Poles: 3P
- Protection: Overload & phase failure
- Certification: CE

Specifications

NO.	Times the setting current		Release time	Test condition
1	1.05		>2h	Start from Cold status Start from Heat status right after item no.1
2	1.2		<2h	
3	1.5		<2min	
4	7.2		2s<Tp≤10s	Start from Cold status
	Any two phases	Another phase		
5	1.0	0.9	>2h	Start from Cold status
6	1.15	0	<2h	Start from Heat status right after item no.5

* For detailed product information, visit our official website: www.cncele.com

Magnetic Starter

YCQ7



General

YCQ7 series magnetic starter is suitable for those circuits whose rated voltage is up to 660V, AC 50Hz or 60Hz, rated control power to 45kW and current to 95A. It is used to control the direct start and stop of the motor, and the starter with thermal overload relay protects the motor from overload and phase failure.

Standard: IEC/EN 60947-4-1.

- Rated Current: 2.5~93A
- Poles: 3P
- Functions: Motor start/stop, overload protection
- Certification: CE

Specifications

Type	Rated current Ie A	Maximum power duty (kW)			Matched AC contactor type	Matched thermal relay	Setting current range (A)
		AC-3					
		660V	380V	220V			
YCQ7-09	9	5.5	4	2.2	YCC7-09	JR28se-25	2.5~4, 4~6, 5.5~8
YCQ7-12	12	7.5	5.5	3	YCC7-12	JR28se-25	7~10, 9~13
YCQ7-18	18	10	7.5	4	YCC7-18		12~18
YCQ7-25	25	15	11	5.5	YCC7-25		17~25
YCQ7-32	32	18.5	15	7.5	YCC7-32		23~32
YCQ7-40	40	18.5	18.5	11	YCC7-40	JR28se-93	23~32, 30~40
YCQ7-50	50	22	22	15	YCC7-50		37~50, 48~65
YCQ7-65	65	30	30	18.5	YCC7-65		55~70, 63~80
YCQ7-80	80	37	37	22	YCC7-80		80~93
YCQ7-95	95	45	45	25	YCC7-90		

* For detailed product information, visit our official website: www.cncele.com

Motor Starter

YCQJ7



General

YCQJ7 series motor controller (hereinafter referred to as controller) is mainly used in circuits with a frequency of AC 50Hz (or 60Hz), a rated operational voltage of up to 380V and a rated control power of up to 18.5kW (current up to 38A) to control the direct start and stop of water pumps or motors, provide motors with overload and phase failure protection, and realize automatic liquid level control for civil water towers and reservoirs. This product is not applicable to the liquid level control of low-conductivity liquids, such as oil, purified water, inflammable and explosive chemical liquids and high-density sewage.

Standards:IEC 60947-4-1.

- Rated Current: 2.5~93A
- Poles: 3P
- Functions: Motor start/stop, overload protection, liquid level control
- Certification: CE

Specifications

Main data and technical characteristics

Type	Conventional heating current (A)	Max. rated power (kW)		Model of matching AC contactor	Model of matching motor protector	Setting current range (A)	Number of turns of protector (turn)				
		AC-3									
		380V	220V								
YCQJ7 0.72A~2.4A	2.4	1.1	0.55	YCC7-09	JD-8/0.5A~5A	0.72~2.4	5				
YCQJ7-W 0.72A~2.4A											
YCQJ7 3.5A~11A	12	5.5	3	YCC7-12	JD-8/2A~20A	3.5~11	1				
YCQJ7-W 3.5A~11A											
YCQJ7 10A~16A	16	7.5	4	YCC7-18	JD-8/2A~20A	10~16	1				
YCQJ7-W 10A~16A											
YCQJ7 20A~25A	25	11	5.5	YCC7-25	JD-8/20A~80A	20~25	1				
YCQJ7-W 20A~25A											
YCQJ7-W 30A~38A	38	18.5	9	YCC7-38	JD-8/20A~80A	30~38	1				
YCQJ7-W 30A~38A											

1. Rated control supply voltage Us: AC220V, AC380V.
2. Protection degree: IP55.
3. Protection characteristics of the controller.
 - 3.1. Phase failure protection characteristics of the controller: In case of failure of any phase of the three-phase main circuit passing through the center hole of the motor comprehensive protector in the controller, the motor comprehensive protector operates for a period of $\leq 5s$.
 - 3.2. Overload protection characteristics of the controller under balanced three-phase load.

* For detailed product information, visit our official website: www.cncele.com

Motor Protector

YCP5



General

YCP5 series AC Motor Starter is suitable for circuits whose alternating voltage is up to 690V, current up to 80A. The product works to control the overload, phase loss, short circuit protection and infrequent starts of a three-phase squirrel cage asynchronous motor. The Motor Starter can protect the distributing line for infrequent load transfer, and it can also work as an isolator.

- Rated Current: 0.1–32A, 20–80A
- Poles: 3P
- Functions: Undervoltage trip, shunt trip, fault indication, test
- Certification: CE

Product adaptation table

Type	Standard power ratings of 3-phase motors 50/60Hz in category AC-3						Current setting range
	220V kW	380V kW	415V kW	440V kW	500V kW	660V kW	
YCP5-25N-ME01	-	-	-	-	-	-	0.1-0.16
YCP5-25N-ME02	-	-	-	-	-	-	0.16-0.25
YCP5-25N-ME03	-	-	-	-	-	-	0.25-0.4
YCP5-25N-ME04	-	-	-	-	-	0.37	0.4-0.63
YCP5-25N-ME05	-	-	-	0.37	0.37	0.55	0.63-1
YCP5-25N-ME06	-	0.37	-	0.55	0.75	1.1	1-1.6
YCP5-25N-ME07	0.37	0.75	0.75	1.1	1.1	1.5	1.6-2.5
YCP5-25N-ME08	0.75	1.5	1.5	1.5	2.2	3	2.5-4
YCP5-25N-ME10	1.1	2.2	2.2	3	3.7	4	4-6.3
YCP5-25N-ME14	2.2	4	4	4	5.5	7.5	6-10
YCP5-25N-ME16	3	5.5	5.5	7.5	7.5	9	9-14
YCP5-25N-ME20	4	7.5	9	9	9	11	13-18
YCP5-25N-ME21	5.5	11	11	11	11	15	17-23
YCP5-25N-ME22	5.5	11	11	11	15	18.5	20-25
YCP5-25N-ME32	7.5	15	15	15	18.5	26	24-32
YCP5-80N-ME10	1.1	2.2	2.2	3	3.7	4	6-10
YCP5-80N-ME16	2.2	4	4	4	5.5	7.5	10-16
YCP5-80N-ME20	4	7.5	7.5	7.5	10	11	14-20
YCP5-80N-ME25	5.5	11	11	11	15	18.5	16-25
YCP5-80N-ME40	11	18.5	22	22	25	33	25-40
YCP5-80N-ME63	15	30	33	33	40	55	40-63
YCP5-80N-ME80	22	40	45	45	55	63	56-80

* For detailed product information, visit our official website: www.cncele.com

Variable Frequency Drive (VFD)

YCB3000



General

YCB3000 series is a general-purpose, high-performance current vector frequency converter for controlling the speed and torque of three-phase AC asynchronous motors. It features vector control, high torque at low speed, strong overload capacity, stable performance, and user-friendly operation. Suitable for weaving, papermaking, wire drawing, machine tools, packaging, food, fans, pumps, and automation equipment.

- Power Range: 0.75–250kW
- Poles: 3P
- Functions: Speed control, overload protection, short-circuit protection, communication
- Certification: CE

Product adaptation table

Model	Power supply capacity is KVA	Input current (A)	Output current (A)	Adaptation motor	
				KW	HP
Single-phase power supply: 220V (-10%~+15%), 50/60Hz					
YCB3000-2S0007G	1.5	8.2	4.0	0.75	1
YCB3000-2S0015G	3.0	14	7.0	1.5	2
YCB3000-2S0022G	4.0	23	9.6	2.2	3
YCB3000-2S0040G	8.9	14.6	13	4.0	5
YCB3000-2S0055G	17	26	25	5.5	7.5
Three-phase power supply: 220V (-10%~+15%), 50/60Hz					
YCB3000-2T0007G	3	5	3.8	0.75	1
YCB3000-2T0015G	4	5.8	5.1	1.5	2
YCB3000-2T0022G	5.9	10.5	9	2.2	3
YCB3000-2T0040G	8.9	14.6	13	4.0	5
YCB3000-2T0055G	17	26	25	5.5	7.5
YCB3000-2T0075G	21	35	32	7.5	10
YCB3000-4T0110G	30	46.5	45	11	15
YCB3000-4T0150G	40	62	60	15	20
YCB3000-4T0185G	57	76	75	18.5	25
YCB3000-4T0220G	69	92	91	22	30
YCB3000-4T0300G	85	113	112	30	40
YCB3000-4T0370G	114	157	150	37	50
YCB3000-4T0450G	135	180	176	45	60
YCB3000-4T0550G	161	215	210	55	75
YCB3000-4T0750G	236	315	304	75	100

* For detailed product information, visit our official website: www.cncele.com

Variable Frequency Drive (VFD)

YCB700



General

YCB700 Series Mini Inverter is a compact and economical inverter can be used for textile, paper making, machine tools, packaging, fans, water pumps and a variety of automatic.

- Power Range:
 - 220V: 0.4 / 0.75 / 1.5 / 2.2kW
 - 380V: 0.75 / 1.5 / 2.2 / 4 / 5.5kW
- Poles: 3P
- Functions: Speed control, overload protection, short-circuit protection, communication
- Certification: CE

Product adaptation table

Model	Power Supply Capacity KVA	Input Current A	Output Current A	Adaptable Motor	
				KW	HP
One phase power supply: 220V, 50HZ/60HZ					
2S0007G	1.5	8.2	4.0	0.75	1
2S0015G	3.0	14.0	7.0	1.5	2
2S0022G	4.0	23.0	9.6	2.2	3
Three phase power supply: 380V, 50HZ/60HZ					
4T0007G	1.5	3.4	2.1	0.75	1
4T0015G	3.0	5.0	3.8	1.5	2
4T0022G	4.0	5.8	5.1	2.2	3
4T0040G	5.9	10.5	9	3.7	5
4T0055G	8.9	14.6	13	5.5	7

* For detailed product information, visit our official website: www.cncele.com

DELIVER POWER FOR BETTER LIFE!

CNC Electric was founded in 1988 with the launch of our inaugural molded case circuit breakers — marking the beginning of our journey in power solutions. With a focus on product development and manufacturing, we reorganized into a corporate group by 1995 and introduced our first full low-voltage series, earning a reputation for rugged reliability. Today, our integrated R&D, manufacturing, trade, and service capabilities empower distributors in over 130 countries.

Rooted in trust and driven by innovation, we deliver low-voltage systems, renewable energy solutions, and power transmission & distribution equipment. Backed by international certifications and smart manufacturing, our solutions combine performance and sustainability—empowering industries, partners, and communities to accelerate energy transitions. More than a supplier, CNC Electric is your trusted partner—connecting every part of the electrical ecosystem to build a smarter, more sustainable future.

1000+

Patent

400+

Testing Reports

300+

Testing Equipment

40+

Standard Settings



**DELIVER
POWER
FOR
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CNC
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2025