



Product Catalogue

ATS/ACB/MCCB/MCB/CPS



The leading technology driven in ATS over 20 years

ODM & OEM





ABOUT US

Focus on low voltage electrical products manufacturing field

Shanghai Yuhuang Electric Co., Ltd is a high-tech enterprise that specialized in developing and manufacturing low voltage electrical components, molded case circuit breaker(MCCB),air circuit breaker,miniatute circuit breaker,automatic transfer switch(ATS),isolation switch,control and protection switch and etc.

Precision manufacturing process

Through the British Lloyd's ISO9001 system certification, all products have passed the most stringent testing requirements stipulated by GB and IEC standards, and the reliability reaches the international advanced level. With the international leading manufacturing technology, tooling and fixture and testing equipments, we adopt efficient and energy-saving production lines to ensure the precision and reliability of our products.

Start in 2004 ,
Continuous excitation and Pursuit of objectives



YES1-63NJT

AUTOMATIC TRANSFER SWITCH



Product Type

YE	S	1	-	63	NJT	/	4P	63A	R	F
Enterprise code	Product category	Design code		Current rank	Product code		Pole	Rated current	Working mode	Additional function

Name	Content		
Enterprise code	Shanghai Yuhuang Electric Co.,Ltd		
Product category	PC Class Automatic Transfer Switch		
Design code	1		
Current rank	Product code	Current rank	
	NJT	63A	
Product code	Product code	Working current	Features
	NJT	16A~63A	Integral type, 2 positions
Pole	2P		
Rated current	16A~63A		
Working mode	R=Self-input and self-recover B=II circuit first F: Utility- Generator T=Communication		

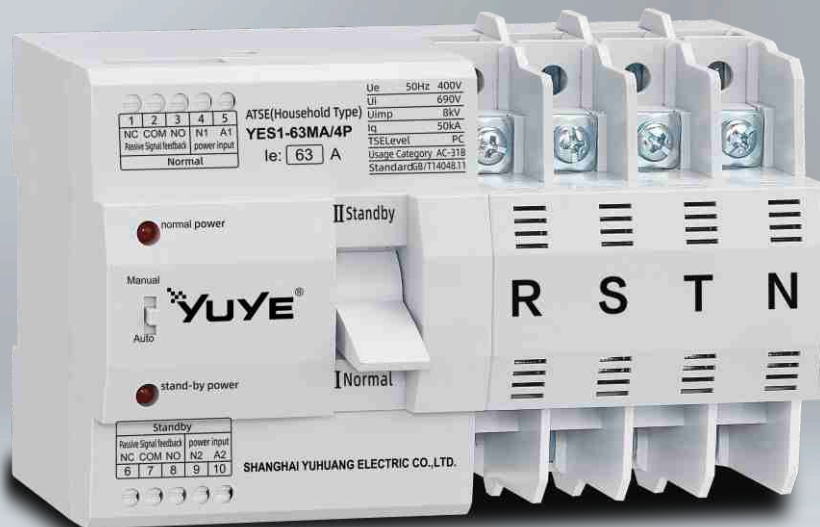
Technical parameter

Rated current (Ith)	YES1-63NJT								
Rated working current (Ie)	6A	10A	16A	20A	25A	32A	40A	50A	63A
Rated insulation voltage (Ui)	690V								
Rated working voltage (Ue)	AC110V(220V)								
Rated Frequency	50/60Hz								
Contact terminal transfer time	20ms								
Mechanical Life	≥4500 order								
Electrical life	≥1500 order								
Use Category	AC-31B								

Note : When ordering, please indicate the working voltage of 110V or 220V !

YES1-63MA

AUTOMATIC TRANSFER SWITCH



Product Type



Name	Content		
Enterprise code	Shanghai Yuhuang Electric Co.,Ltd		
Product category	PC Class Automatic Transfer Switch		
Design code	1		
Current rank	Product code	Current rank	
	MA	63A	
Product code	Product code	Working current	Features
	MA	16A~63A	Integral type, 2 positions
Pole	4P		
Rated current	16A~63A		
Working mode	R=Self-input and self-recover B=II circuit first F: Utility- Generator T=Communication		

Technical parameter

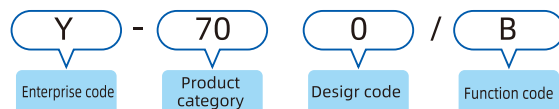
Rate d current (Ith)	YES1-63MA								
Rate d working current (Ie)	6A	10A	16A	20A	25A	32A	40A	50A	63A
Rated insulation v dtage (Ui)	690V								
Rated Impulse Withstand Voltage (Uimp)	6kV								
Rated working voltage (Ue)	AC400V								
Rated Frequency	50/60HZ								
Use Catagory	AC-31B								
Contact terminal transfer time	20ms								

Y-700

ATS CONTROLLER



Product type



Name	Content
Enterprise code	Shanghai Yuhuang Electric Co.,Ltd.
Product category	PC class ATS controller
Design code	0
Function code	Blank: DC power supply(without following function) I: Current detection B: AC power supply(AC220V) T: 485 communicating function

Note: If Y-700 controller need to with B,I or T function, please mark separately;

Y-700 Technical parameter

Type	Y-700		
Working voltage	1. DC8.0V-35.0V continuous power supply 2. HTS220/HWS560 power module to supply power (When it no battery to supply power) 3. AC power source L1N1,L2N2 supply power. The range of voltage: AC(160V-280V).(Y-700/B, Y-700/BI)		
Overall power consumption	<3W(Standby mode:≤2W)		
AC voltage input	Alternating current system	Y-700、Y-700/I	Y-700/B、Y-700/BI
	Three phase four wire(L-L)	80V~625V	80V~480V
	Three phase three wire(L-L)	80V~625V	Unsuitable
	Single phase two wire(L-N)	50V~360V	50V~280V
	Two phase three wire(A-B)	80V~625V	80V~480V
Rated frequency	50/60Hz		
The output capacity of closing break-brake relay	16A 250VACPassive output		
The output capacity of programmable relay	16A/7A 250VACPassive output		

Type	Y-700
The digital quantity input port	Grounding effective
Communication mode	RS485 1solation interface, MODBUS Agreement
Appearance dimension	211mmx155mmx55mm
Hole size	186mmx141mm
Working conditions	Temperature:(-25~+70)°CHumidity: (20-90)%
Storage conditions	Temperature:(-30~+80)°C
Protection grade	IP55: Waterproof rubber gasket is installed between the controller and the controll screen. IP42: Waterproof rubber gasket is NOT installed between the controller and the controll screen.
Dielectric strength	Object: Between in input/output/power source Reference standard: IEC688-1992 Test method: AC1.5kV/1 min LeakAge current 5mA
Weight	0.8kg (Y-700,Y-700/i)/1.0kg(Y-700/B、Y-700/BI)

Y-701/702

ATS Controller

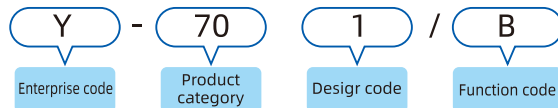


701 TYPE



702 TYPE

Product type



Name	Content
Enterprise code	Shanghai Yuhuang Electric Co.,Ltd.
Product category	PC class ATS controller
Design code	1,2
Function code	Blank: DC power supply(without following function) I: Current detection B: AC power supply(AC220V) T: 485 communicating function

Note: If Y-700 controller need to with B,I or T function, please mark separately;

Y-701/Y-702 Controller function

Products Type number	Y-701	Y-702
Installation method	Split type	
Display mode	Indicator light	LCD
Rated duty	Uninterrupted duty	
Self-input and self restore	■	■
Self-input and without self restore	■	■
Normal port and standby port share to each other	■	■
Generator auto-start function	■	■
Normal power detect	Four-phase lacking phase detection, three-phase over-voltage/under-voltage detection.	
Standby power detect	Four-phase lacking phase detection, three-phase over-voltage/under-voltage detection.	

Note: ■ This function is available, □ This function is not available.

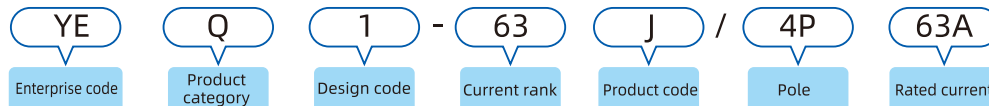
Products Type number	Y-701	Y-702
Passive fire protection input	■	■
(DC9-36V)Active fire protection input	■	■
Active fire control input	■	■
Voltage real-time display	□	■
Normal power and standby power indication	■	■
Normal power and standby power over-voltage/under-voltage adjustable	■	■
Generator start and stop time adjustable	■	■ (F/F1)
programmable output	□	■
RS485 communicating function	□	■

YEQ1-63J

AUTOMATIC TRANSFER SWITCH



Product type



□ Standard: GB/T14048.11 IEC60947-6-1

Name	Content
Enterprise code	Shanghai Yuhuang Electric Co.,Ltd
Product category	CB Class Automatic Transfer Switch
Design code	1
Current rank	63
Product code	J:Economical type
Pole	4P
Rated current	6A~63A

Technical parameter

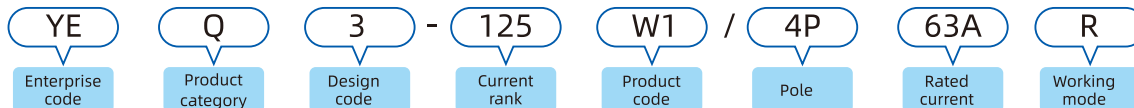
Type	YEQ1-63J
Rated Working Voltage	AC400V
Rated Insulation Voltage	AC400V
Rated Working Current	6A,10A,16A,20A,25A,32A,40A,50A,63A
Rated Withstand Impulse Voltage	4kV
Rated Maximum Breaking Ability	5kA
Rated Frequency	50/60Hz
Control Voltage	AC230V
Transfer Time	1.5~3S
Mechanical Life	10000times
Use Catagory	AC-33iB

YEQ3-63~630W1

AUTOMATIC TRANSFER SWITCH



Product Type



□ Standard: GB/ T14048.11 IEC6094 7-6-1

Name	Content
Enterprise code	Shanghai Y uhuang Electric Co.,Ltd
Product category	CB Class Automatic Transfer Switch
Design code	3
Current rank	63,100,225,400,630
Product code	W1(Two input and one output)(acquiescence); W(Two input and two output)(63A)
Controller	W(Standard, integral type LED indicator controller, just for 63A products) W2(Intelligent, LED digitron display, split type controller) (125A, 250A, 630A) W1(Intelligent, integral type LED indicator controller) (default) W3(Intelligent, LCD liquid crystal display, split type controller) (125A, 250A, 630A)
Pole	4P
Rated current	6A~630A
Working mode	R=Self-input and self-recover F= Utility - Generator S=Self-input without self-recover T=Communication

Note: 63A Shell grade products, there are two 2 input 1 output and 2 input 2 output ,two connection methods are available.

Technical parameter

Type	YEQ3-63	YEQ3-125	YEQ3-250	YEQ3-630
Rated current In(A)	6/10/16/20/25/32/40/50/63	63/80/100/125	160/180/200/225/250	315/350/400/500/630
Mechanical life	10000	7000	5000	3000
Electrical life	4500	3000	2000	1000
Rated voltage	AC230V/AC400V	AC400V/AC690V		
Rated operating voltage	AC220V			
Rated insulating voltage	AC400V	AC800V		
Contact terminal transfer time	≤2s	≤3s+delay time		
Return back switching time	≤2s	≤3s+0.5s,5s,10s,15s,20s,25s,30s		
Rated ultimate short-Circuit breaking capacity	7.5kA	52.5kA	73.5kA	143kA
Rated operating short-circuit breaking capacity	5kA	25kA	35kA	65kA
Operation cycle (SEC / time)	10	10+delay time		
Weight (Kg)	/	6.2	9.1	32.1

YECPS2

CONTROL AND PROTECTION SWITCH



(Digital type)



(LCD type)

Product Type

YE	CPS	2	J	-45	C	/33	M	45	FK	M	F	B
Product category	Product category	Design Number	Combination form	Current rank	Breaking capacity class	Pole	Release mode	Rated current	Accessory	Control voltage	Additional function	Controller mode

□ Standard: GB/T 14048.9 IEC60947-6-2

Name	Content
Enterprise code	Shanghai Yuhuang Electric Co.,Ltd
Product category	Control And Protection Switch
Design Number	2 (new type), none (ordinary type)
Combination form	Reversible controller J (Y - Δ pressure reducing starter 75kW and below), J2 (Y - Δ pressure reducing starter 75kW and above) D (dual speed motor type), D3 (three speed motor type), Z (self coupled reduced voltage starter), R (resistance reduced voltage starter)
Current rank	45,125
Breaking capacity class	C=Basic

Name	Content
Number of poles	3P: 33 (3-pole with 3-pole protection level) can be omitted, 30 (3-pole without protection level)
Release	Release code: M (motor protection type), L (power distribution protection)
Rated current	Rated working current: 0.2A~125A
Attachment code	See attachment configuration
Control voltage	Q: AC400V, M: AC220V
Additional function	F=Fire protection; L=Electric leakage; G=Isolating function; =Communication
Controller mode	B=Digital Pipe, Y=LCD screen

Technical parameter

Type	Current rank(A)	Controller rated operating current(A)	Current adjustment range(I(A)	400VControl powerrange (kw)	Using range	Rated voltage(v)	Rated frequency (Hz)	Ratedimpulse withstand voltage Uimp(kV)	Tripping level
YECPS2-45	16	1	0.2~1	0.12~0.37	motor type AC-42 AC-43 AC-44	400	50	8	10A 10 20 30 Optional
		4	1~4	0.5 5~1.5					
		6.3	2.4~6.3	1.1~3					
		12	4~12	1.5~4					
		16	6.4~16	3~7.5					
	45	32	12.8~32	5.5~15	Distribution AC-40 AC-41 AC-45A AC-45B				
		45	16~45	7.5~18.5					
YECPS2-125	63	45	18~45	7.5~18.5					
		50	20~50	7.5~22					
		63	25.2~63	11~30					
	125	100	40~100	22~37					
		125	50~125	22~55					

YEB1

MINIATURE CIRCUIT BREAKER



Product Type



□ Standards: GB/T 10963.1 IEC60898-1

Name	Details
Enterprise code	Shanghai Yuhuang Electric Co.,Ltd.
Product category	Miniature Circuit Breaker
Design code	1
Current rank	63
Pole	1P, 2P, 3P, 4P
Using code	C=Light distribution, D=Motor protection
Rated current	3A~63A

Technical parameter

Rated voltage(V)	Pole	Rated current(A)	Rated short circuit breaking capacity	
			Predictive current of tests(A)	Power factor
230	1	3,6,10,16,20, 25,32,40	6000	0.65~0.70
230/400	1			0.65~0.70
400	2,3,4			0.65~0.70
230	1	50,63		0.75~0.80
230/400	1			0.75~0.80
400	2,3,4			0.75~0.80

Remark:

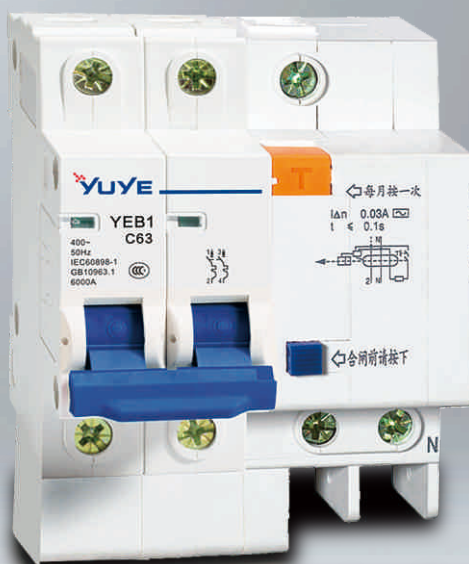
1.Mechanical life:20000 times(off-on).
2.Electrical life:4000 Cycles.

3.Anti humid heat type:II (The temperature is 55 degrees, the relative humidity is 95%).
4.Wiring with clamp terminal,cross-section of cable can be up to 25mm².

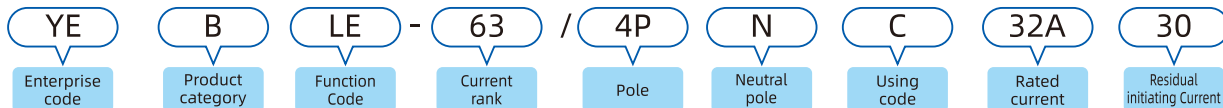


YEB1LE

MINIATURE CIRCUIT BREAKER



Product Type



Standards: GB/T 16917.1、GB/T 10963.1、IEC61009-1、IEC60898-1

Name	Details
Enterprise code	Shanghai Yuhuang Electric Co.,Ltd.
Product category	Miniature Circuit Breaker
Design code	1
Function code	Electronic type residual current protection function
Current rank	63
Pole	1P, 1P+N, 2P, 3P, 3P+N, 4P
Neutral pole	+N
Using code	C=Light distribution, D=Motor protection
Rated current	3A~63A
Residual initiating current	30,50,100,300

Technical parameter

Rated voltage(V)	Rated frame graded Current I _{nm} (A)	Pole	Neutral	Rated current(A)	Rated leakAge operate current I _Δ no (mA)	Rated leakAge no operate current I _Δ no (mA)	Rated leakAge operate time(s)
230	63	1	+N	3,6,10,16, 20,35,32, 40,50,63	30,(50), (100),(300)	15,(25),(50), (150)	<0.1
230/400	63	2					<0.1
230/400	63	3	+N				<0.1
230/400	63	3					<0.1
230/400	63	4					<0.1

Remark:

1.Wiring with clamp terminal,Hardwire can be connect to 25mm² and below ,

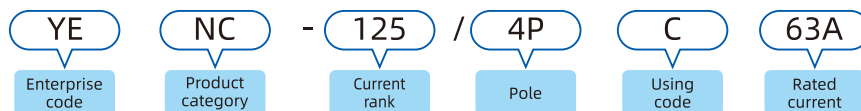
2.Notice:Rated residual current of 30mA or less indirect protection or personal safety features, but not simultaneously contact the two wires leakAge protection at the same time.

YENC-125

MINIATURE CIRCUIT BREAKER



Product Type



□ Standards: GB/T 10963.1 IEC60898-1

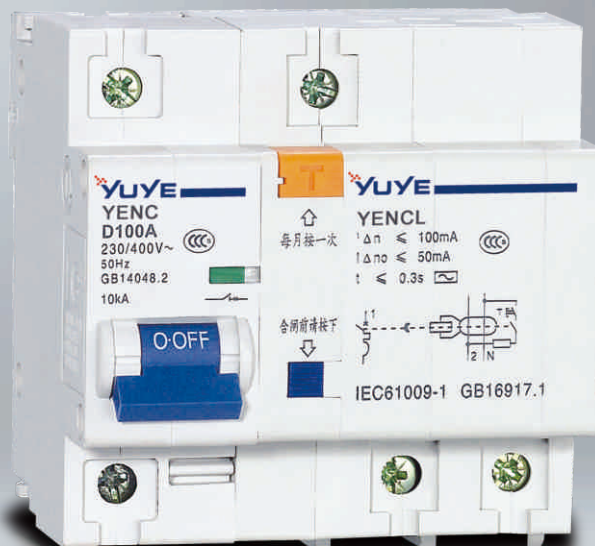
Name	Details
Enterprise code	Shanghai Yuhuang Electric Co.,Ltd.
Product category	Miniature Circuit Breaker
Design code	1
Pole	1P, 2P, 3P, 4P
Using code	C=Light distribution, D=Motor protection
Rated current	63A~125A

Technical parameter

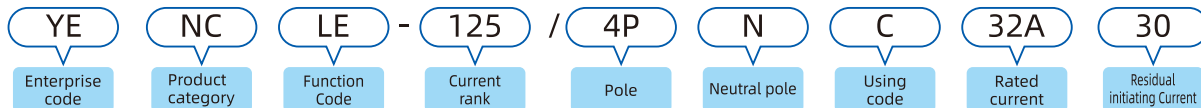
Rated voltage(V)	Pole	Rated current(A)	Rated short circuit breaking capacity	
			Predictive current of tests(A)	Power factor
230/400	1P	63,80, 100,125	10000	0.75 ~ 0.80
400	2P/3P/4P			

YENCLE-125

MINIATURE CIRCUIT BREAKER



Product Type



□ Standards: GB/T 16917.1、GB/T 10963.1、IEC61009-1、IEC60898-1

Name	Details
Enterprise code	Shanghai Yuhuang Electric Co.,Ltd.
Product category	Miniature Circuit Breaker
Function code	Electronic type residual current protection function
Current rank	125
Pole	1P+N, 2P, 3P, 3P+N, 4P
Neutral pole	+N
Using code	C=Light distribution, D=Motor protection
Rated current	63A~125A
Residual initiating current	30,50,100,200,300

Technical parameter

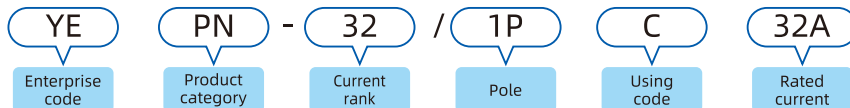
Rated voltage(V)	Rated frame graded Current Inm(A)	Pole	Neutral	Rated current (A)	Rated leakAge operate current IΔno (mA)	Rated leakAge no operate current IΔno (mA)	Rated short circuit breaking capacity Icu(A)	Over voltage protection setting (V)	Rated leakAge operate time(s)	Release type
230	125	1	N	63,80 100, 125	30,50, 100,200, 300	15,25,50, 100,150	10000	280±5%	≤0.1	C、D
230		2	/							
400		3	/							
400		3	N							

YEPN

MINIATURE CIRCUIT BREAKER



Product Type



□ Standards: GB/T 10963.1 IEC60898-1

Name	Details
Enterprise code	Shanghai Yuhuang Electric Co.,Ltd.
Product category	Miniature Circuit Breaker
Design code	32
Pole	1P+N(N can been open and close)
Using code	C=Light distribution, D=Motor protection
Rated current	3A~32A

Technical parameter

Rated current(A)	Pole	Rated voltage(V)	Rated frame graded current(A)	Rated short circuit breaking capacity(A)	Power factor	Mechanical life(times)
6,10,16 20,25,32	1P+N	230	32	4500	0.65~0.70	20000

Remark:

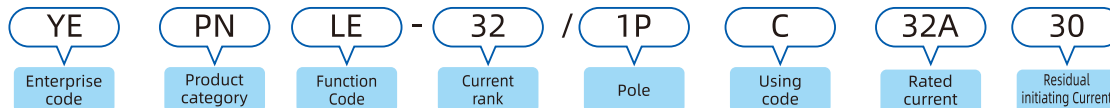
- 1.Anti humid heat type:II (The temperature is 55 degrees, the relative humidity is 95%).
2. Wiring with clamp terminal,hard wires smaller than 10mm².

YEPNLE

MINIATURE CIRCUIT BREAKER



Product Type



□ Standards: GB/T 16917.1、IEC61009-1

Name	Details
Enterprise code	Shanghai Yuhuang Electric Co.,ltd.
Product category	Miniature Circuit Breaker
Function code	Electronic type residual current protection function
Current rank	32
Pole	1P+N(N can been open and close)
Neutral pole	+N
Using code	C=Light distribution , D=Motor protection
Rated current	3A~32A
Residual initiating current	30

Technical parameter

Rated current(A)	Pole	Rated voltage(V)	Rated frame graded current I _{nm} (A)	Rated leakAge operate current I _{Δno} (mA)	Rated leakAge no operate current I _{Δno} (mA)	Rated leakAge operate time(s)	Breaking capacity(A)
6,10,16 20,25,32	1P+N	230	32	30	15	≤0.1s	3000

Remark:Wiring with clamp terminal, hard wire smaller than 10mm².

YES1-NZ

DC AUTOMATIC TRANSFER SWITCH



Product Type



□ Standard: GB/T14048.11

Name	Details
Enterprise code	Shanghai Yuhuang Electric Co.,Ltd.
Product category	DC AutomaticTransfer Switch
Design code	1
Frame	63
Product code	NZ
Pole	2=2P
Rated current	16A~63A

Technical parameter

Model	YES1-63NZ
Rated current	16A、20A、25A、32A、40A、50A、63A
Rated control power	AC220V/AC110V (50Hz/60Hz)
Used class	DC-33B
Electric life	2000times
Mechanical life	10000times
Operating mode	Self-transfer self-recover (Split type: self-transfer self-recover, self-transfer but not self-recover,mutual backup)
Connection type	1 in 2 out (the power of 1 circuit connects to 2 loads, which is used in alternation.)



Thailand Service & Distributor :

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