



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



YES1-100~3200GA

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	
	GA	100A,160A,250A,400A,630A,1000, 1250A,1600A,2000A,2500A,3200A	
Product code	Product code	Working current	Features
	GA	16A~3200A	Integral type, 3 positions, with fire-fighting function
Pole	3P ,4P		
Rated current	16A~3200A		
Working mode	R=Self-input and self-recover B=I circuit first F: Utility- Generator T=Communication		

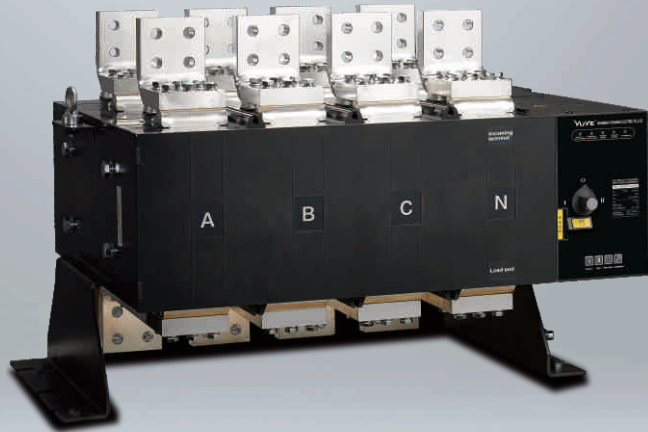
Technical parameter

Type		YES1-GA																													
Rated current (Ith)		100								160		250				400				630		1000		1250	1600	2000	2500	3200			
Rated working current (Ie)		16	20	25	32	40	50	63	80	100	125	160	200	225	250	315	350	400	500	630	800	1000	1250	1600	2000	2500	3200				
Rated insulation voltage (Ui)		690V																		800V											
Rated Impulse Withstand Voltage (Uimp)		8kV																		8kV											
Rated Working Voltage (Uw)		AC400V																		AC400V											
Usingzation Category		AC-33B																		AC-33iB											
Rated limited shortcircuit current		8kA									17kA				26kA					67.5kA											
Rated short-time withstand current		5kA/30ms									10kA/60ms				12.6kA/60ms					32kA/60ms											
Transfer time		2.5s									0.6s										1.2s					1.8s					2.4s
Control power voltage		DC24V, 48V, 110V, AC220V																													
Rated frequency	voltage	20W									325W				355W				400W	440W				600W							
	Normal										62W				74W				90W				98W				120W				



YES1-100~3200GN/GN1/GNF

AUTOMATIC TRANSFER SWITCH



3200GN



100~1600GN

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	
	GN/GN1/GNF	100A,160A,250A,400A,630A,1250A,1600A,2000A,2500A,3200A	
Product code	Product code	Working current	Features
	GN	16A~3200A	Integral type, 3 positions, with fire-fighting function
	GN1	16A~3200A	Integral type, 3 positions, basic, with single phase sampling fuction
	GNF	16A~3200A	Split type, 3 positions
Pole	3P ,4P		
Rated current	16A~3200A		
Working mode	R=Self-input and self-recover B=II circuit first F: Utility- Generator T=Communication		

Technical parameter

Type	YES1-GN、YES1-GN1、YES1-GNF																										
Rated current (Ith)	100									160		250			400			630			1250			1600	2000	2500	3200
Rated working current (Ie)	16	20	25	32	40	50	63	80	100	125	160	200	225	250	315	350	400	500	630	800	1000	1250	1600	2000	2500	3200	
Rated insulation v dtage (Ui)	690V														800V					1000V							
Rated Impulse Withstand Voltage (Uimp)	8kV														12kV												
Rated working voltage (Ue)	AC400V/50Hz																										
Usingzation Category	AC-33B									AC-33iB																	
Rated limited short circuit current	8kA									17kA					26kA					67.5kA			105kA				
Rated Short-time Withstand Current Icw	5kA/30ms									10kA/60ms					12.6kA/60ms					32kA/60ms			50kA/60ms				
Transferring Time	2.5s														3s					3.2s			3.7s				

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		

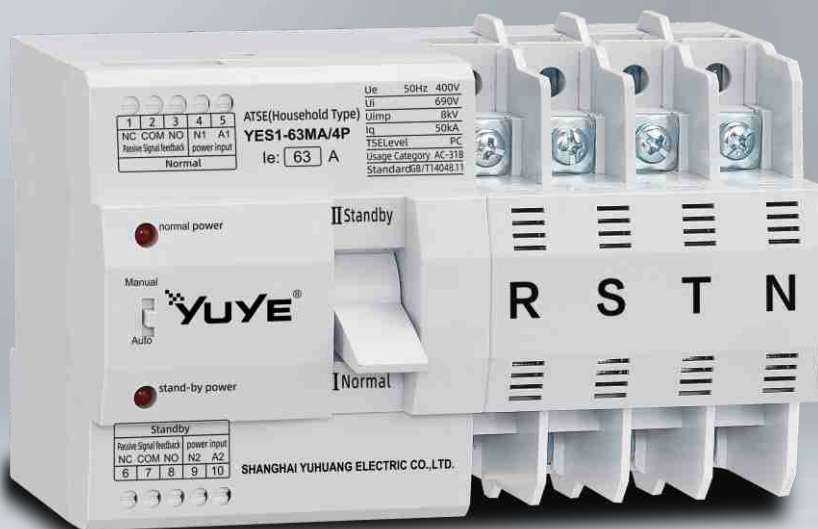
Technical parameter

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

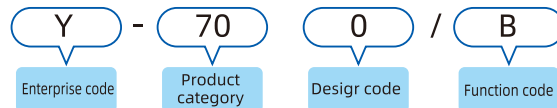
Rated current (Ith)	YES1-63MA								
Rated working current (Ie)	6A	10A	16A	20A	25A	32A	40A	50A	63A
Rated insulation voltage (Ui)	690V								
Rated Impulse Withstand Voltage (Uimp)	6kV								
Rated working voltage (Ue)	AC400V								
Rated Frequency	50/60HZ								
Use Category	AC-31B								
Contact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

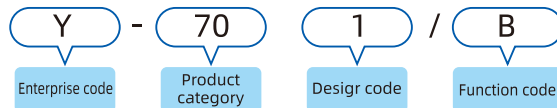


701 TYPE



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.

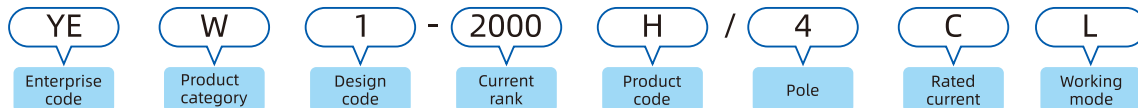
Products Type number	Y-701	Y-702
Passive fire protection input	■	■
(DC9-36V)Active fire protection input	■	■
Active fire control input	■	■
Voltage real-time display	□	■
Normal power and standby power indication	■	■
Normal power and standby power over-voltage/under-voltage adjustable	■	■
Generator start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

YEW1

AIR CIRCUIT BREAKER



Product Type



Standard: GB14048.2 IEC60947-2

Name	Details
Enterprise code	Shanghai Yuhuang Electric Co. Ltd
Product category	Universal Type Circuit Breaker
Design code	1
Current rank	1000,2000,3200,4000,6300
Breaking capacity	M=Standard,H=intelligence
Pole	3P,4P
Product structure	C-Drawer Breaker ,G=Fixed Breaker
Controller	L-Economytype, M=Intelligenttype, H=Communication type

Technical parameter

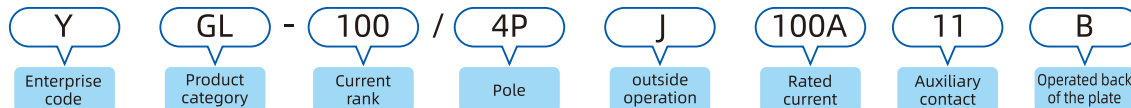
Current rank	Rated current In(A)
1600	200、315、400、500、630、800、1000、1250、1600
2000	630、800、1000、1250、1600、2000
3200	2000、2500、2900、3200
4000	3200、3600、4000
6300	4000、5000、6300

YGL-63~100

LOAD ISOLATION SWITCH



Product Type



□ Standard:GB/T 14048.3 IEC60947-3

Name	Content	Name	Content
Enterprise code	Shanghai Yuhuang Electric Co., Ltd	Operating mode	None=Operation inside the board J=Operation outside the board
Product category	Isolation switch	Rated current	63A~100A
Current rank	63,100	Auxiliary contact	11(One NO and One NC), 22(Two NO and Two NC)
Pole	3P,4P	Wiring type	None=None(front wiring),Z(Back board wiring)

□ Auxiliary contact function code

One NO and One NC	11	1NO+1NC
Two NO and Two NC	22	2NO+2NC

Note:All the function above need to be marked.

Technical parameter

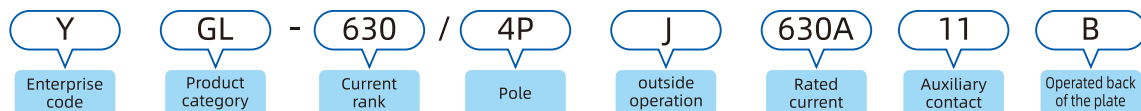
Conventional heating current I _{th} (A)		63	100
Rated insulation voltage U _i		690V	
Rated impaction withstand voltage U _{imp}		8kV	
Rated working voltage U _e		AC400V	
Rated frequency		50Hz	
Usage category		AC-22B	
Rated working current I _e (A)	AC400V	63	100
Rated short-circuit connecting capacity I _{cm} (kA)		17	
Rated short-time withstand current I _{cw} (kA)		10kA/1s	
Mechanical life(time)		1700	
Electrical life(time)		300	
Operation moment(N.M)		/	

YGL-125~630

LOAD ISOLATION SWITCH



Product Type



□ Standard:GB/T 14048.3 IEC60947-3

Name	Content
Enterprise code	Shanghai Yuhuang Electric Co., Ltd
Product category	Isolation switch
Current rank	125,160,200,225,250,315,400,500,630
Pole	3P,4P

Name	Content
Operating mode	None=Operation inside the board J=Operation outside the board
Rated current	125A~630A
Auxiliary contact	11(One NO and One NC), 22(Two NO and Two NC)
Wiring type	None=None(front wiring),Z(Back board wiring)

□ Auxiliary contact function code

One NO and One NC	11	1NO+1NC
Two NO and Two NC	22	2NO+2NC

Note:All the function above need to be marked.

Technical parameter

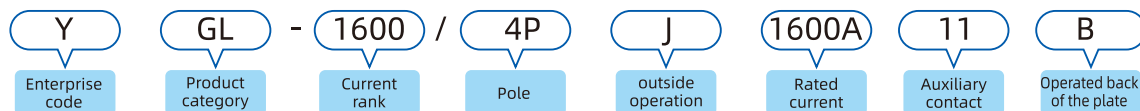
Conventionalheating currentIth(A)		125	160	200	225	250	315	400	500	630
RatedinsulationvoltageUi		800V								
Ratedimpactionwithstand voltageUimp		8kV								
RatedworkingvoltageUe		AC400V								
Ratedfrequency		50Hz								
Usagecategory		AC-22B								
Ratedworking currentIe(A)	AC400V	125	160	200	225	250	315	400	500	630
Ratedshort-circuit connectingcapacityIcm(kA)		17					40			
Ratedshort-timewithstand currentIcw(kA)		10kA/1s					20kA/1s			
Mechanicallife(time)		1400						800		
Electricallife(time)		200								
Operationmoment(N.M)		6.5	6.5	10	15					

YGL-800~1600

LOAD ISOLATION SWITCH



Product Type



□ Standard:GB/T 14048.3 IEC60947-3

Name	Content	Name	Content
Enterprise code	Shanghai Yuhuang Electric Co., Ltd	Operating mode	None=Operation inside the board J=Operation outside the board
Product category	Isolation switch	Rated current	800A~1600A
Current rank	800,1000,1250,1600	Auxiliary contact	11(One NO and One NC), 22(Two NO and Two NC)
Pole	3P,4P	Wiring type	None=None(front wiring),Z(Back board wiring)

□ Auxiliary contact function code

One NO and One NC	11	1NO+1NC
Two NO and Two NC	22	2NO+2NC

Note:All the function above need to be marked.

Technical parameter

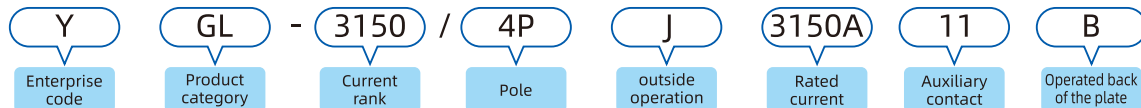
Conventionalheating currentlth(A)		800	1000	1250	1600
RatedinsulationvoltageUi		1000V			
Ratedimpactionwithstand voltageUimp		10kV			
RatedworkingvoltageUe		AC400V			
Ratedfrequency		50Hz			
Usagecategory		AC-21B			
Ratedworking currentle(A)	AC400V	800	1000	1250	1600
Ratedshort-circuit connectingcapacityIcm(kA)		105			
Ratedshort-timewithstand currentIcw(kA)		35kA/1s			
Mechanicallife(time)		500			
Electricallife(time)		100			
Operationmoment(N.M)		27			

YGL-2000~3150

LOAD ISOLATION SWITCH



Product Type



□ Standard:GB/T 14048.3 IEC60947-3

Name	Content	Name	Content
Enterprise code	Shanghai Yuhuang Electric Co., Ltd	Operating mode	None=Operation inside the board J=Operation outside the board,
Product category	Isolation switch	Rated current	2000~3150A
Current rank	2000,2500,3150	Auxiliary contact	11(One NO and One NC), 22(Two NO and Two NC)
Pole	3P,4P	Wiring type	None=None(front wiring),Z(Back board wiring)

□ Auxiliary contact function code

One NO and One NC	11	1NO+1NC
Two NO and Two NC	22	2NO+2NC

Note:All the function above need to be marked.

Technical parameter

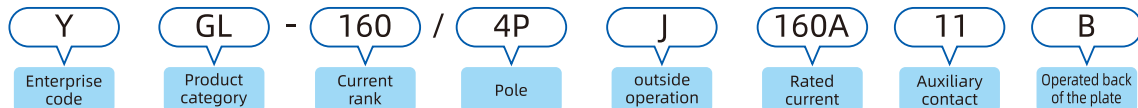
Conventionalheating currentlth(A)	2000	2500	3150
RatedinsulationvoltageUi		1000V	
Ratedimpactionwithstand voltageUimp		10kV	
RatedworkingvoltageUe		AC400V	
Ratedfrequency		50Hz	
Usagecategory		AC-21B	
Ratedworking currentle(A)	AC400V	800	1000
Ratedshort-circuit connectingcapacityIcm(kA)		105	3150
Ratedshort-timewithstand currentIcw(kA)		35kA/1s	
Mechanicallife(time)		500	
Electricallife(time)		100	
Operationmoment(N.M)		27	

YGLZ1-125~3150

MANUAL CHANGEOVER SWITCH



Product Type



□ Standard:GB/T 14048.3 IEC60947-3

Name	Content	Name	Content
Enterprise code	Shanghai Yuhuang Electric Co., Ltd	Operating mode	None=Operation inside the board J=Operation outside the board,
Product category	Isolation switch	Rated current	125A~3150A
Current rank	125,160,200,225,250,315,400,500,630,800,1000,1250,1600,2000,2500,3150	Auxiliary contact	11(One NO and One NC), 22(Two NO and Two NC)
Pole	3P,4P	Wiring type	None=None(front wiring),Z(Back board wiring)

□ Auxiliary contact function code

One NO and One NC	11	1NO+1NC
Two NO and Two NC	22	2NO+2NC

Note:All the function above need to be marked.

Technical parameter

Conventionalheating currentIth(A)	125	160	200	225	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150		
RatedinsulationvoltageUi	690V		800V								1000V							
Ratedimpactionwithstand voltageUimp	8kV									10kV								
RatedworkingvoltageUe	AC400V																	
Ratedfrequency	50Hz																	
Usagecategory	AC-22B									AC-21B								
Ratedworking currentIe(A)	AC400V	125	160	200	225	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	
Ratedshort-circuit connectingcapacityIcm(kA)	17					40					105							
Ratedshort-timewithstand currentIcw(kA)	10kA/1s					20kA/1s					35kA/1s							
Mechanicallife(time)	1400							800			500				300			
Electricallife(time)	200									100								
Operationmoment(N.M)	6.5	6.5	10	15						27				60				

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

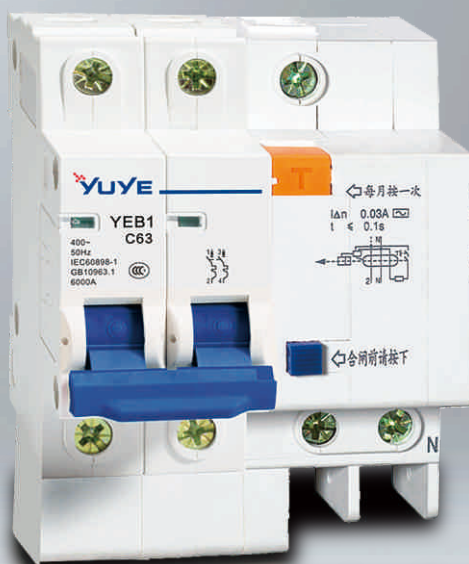
Remark:

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

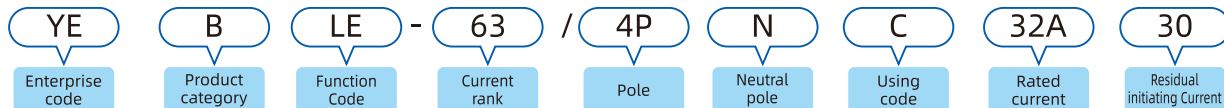
3.Anti humid heat type:II (The temperature is 55 degrees, the relative humidity is 95%).
4.Wiring with clamp terminal,cross-section of cable can be up to 25mm².

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 ,

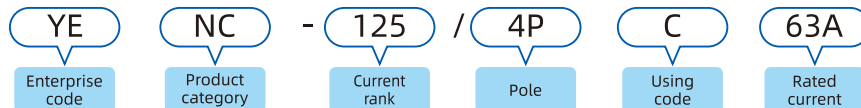
2. Notice: Rated residual current of 30mA or less indirect protection or personal safety features, but not simultaneously contact the two wires leakAge protection at the same time.

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			



Thailand Service & Distributor :

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