Distribution Apparatus

Molded Case Circuit Breaker



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YCM7 Moulded Case Circuit Breaker



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YCM1LE Earth Leakage Circuit Breaker



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YCM7RE Electronic Adjustable Circuit Breaker



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YCM3 Moulded Case Circuit Breaker



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YCM7T/A, RT Thermal Magnetic Adjustable Circuit Breaker

Air Circuit Breaker



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YCW1
Air Circuit Breakers



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YCW3 Air Circuit Breaker

Motor Starter



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YCM1 Moulded Case Circuit Breaker

Changeover Switch



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YCHGL-63~3150A Load-isolation Switch

Automatic Transfer Switch





YCM1 Series Distribution Apparatus



- More competitive price
- Reliable performance for more safety
- Reliable tripping of unipolar overload protection

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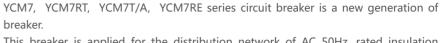
YCM7 Series Distribution Apparatus











This breaker is applied for the distribution network of AC 50Hz, rated insulation voltage 800V, rated working current up to 800A, which is for electric energy distribution, circuit protection, protection power supply facility from destroying by the fault of overloading, short circuit and undervoltage, meanwhile it is also used for protection from unfrequent starting, over loading, short circuit and undervoltage of

This breaker has such characteristics as high short circuit interrupting capacity, short arcing and etc., which is a ideal product for users. This breaker can be installed vertically, and also horizontally

This breaker comply with standard IEC60947-2.



Product Features

- 1. Miniaturization design Product volume miniaturization can meet the customer's personality needs of the product installation size.
- 2. Size uniform The same shell level, different breaking capacity (S, M), different functions (air, leakage) product installation size is completely consistent.
- 3. The function of the reasonable parameter setting Circuit breaker can realize long-time delay overload inverse time, short circuit instantaneous action protection functions such as parameter setting, users can set their own protective properties required, the distribution network is used in the circuit breaker on the lower level with more reasonable.

Suitable Working Encironment and Mstallation Condition

- 1. Altitude less than 2000m
- 2. Ambient medium temperature is from -5°C to +40°C (+45°C for shipping product)
- 3. Humidity resistance
- 4. Bacteria resistance
- 5. Nuelear radiation resistance
- 6. Max lean degree is 22.5 degree.
- 7. Can operate normally when it comes to vibrataion of ship.
- 8. Can operate normally when it comes to earthquake(4g).
- 9. The medium should be no risk of blasting and can't erode the metal and damage insulating gas as well as conductive dust.
- 10. Work in the places where is no rain and snow.

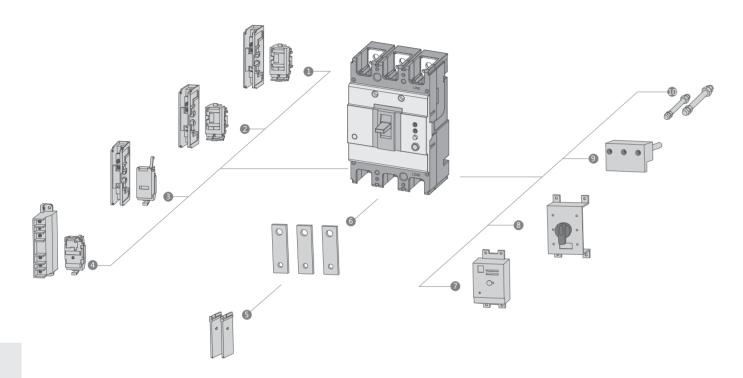


• Design for small size • Modular accessories for easy and convenient installation

and 2 adjustable type, electronic adjustable type.

• Multi-function choices: fixed type, thermal magnetic 1 adjustable type

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- 1. Auxiliary contact
- 2. Alarm contact
- 3. Shunt release
- 4. Undervoltage release
- 5. Interphase barrier
- 6. Front connection plate
- 7. Motor driven operation mechanism
- 8. Extended manual operation handle
- 9. Plug in rear connection
- 10. Rear connection plate



Selection Guide

YCM7 -	125	M	Р	/	4	300	-	125A	2	Α	Q1	D1	Q	2	
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Туре	Frame Inm	Breaking	g capacity ICU/I	CS(kA)	O	peration	Poles
YCM7	125	М			Р		4
МССВ	125, 160, 250, 630, 800 Remark: 125 Frame upgrade from 63 160 Frame upgrade from 125 250 Frame upgrade from 225 630 Frame upgrade from 400	125 160 250 400 630 800	S 15/8 25/18 25/18 35/25	M 50/35 50/35 50/35	Z:	Motor-driven Rotory handle ': Direct	3: 3P 4: 4P
Tripping m	node and inner accessory	Patod cu	ırrent(Δ)	Application	n	Ontion for 4P	MCCB

Tripping mode and inner accessory	Rated current(A)	Application	Option for 4P MCCB			
300	125A	2	Α			
First figure means tripping unit way 2: Only with magnetic release	125 63, 80, 100, 125	 Power distribution Motor-protection 	A: N pole without protection,			
3: Thermal release+,magnetic release body	160 63, 80, 100, 125, 140, 160		N pole is always ON B: N pole without			
Remark: The last two figures means accessory code	250 100, 125, 140, 160, 180, 200, 225, 250		protection, N pole makes with the			
(see accessories list)	400 250, 315, 350, 400		other three poles			
	630 500, 630					

Accessory volt	tage		Motor-driven	operation voltage	Connection	Connection plate	
Q1			D1		Q	2	
UVT Q1: AC220V Q2: AC240V Q3: AC380V	Shunt F1: AC220V F2: AC380V F3: DC110V	Auxiliary J1: AC125V J2: AC250V J3: DC125	DC1 D1: AC220V D2: AC230V D3: AC380V	DC3 D5: AC220V D6: AC110V D7: DC220V	Q: Front H: Rear C: Plug-in	1: W/O 2: W	В
Q4: AC415V	F4: DC24V	J4: DC24V	D4: AC400V	D8: DC110V D9: AC110~240V D10: DC100~220V			

800 500, 630, 700, 800

Model		YCM7-125	YCM7-160	YCM7-250	YCM7-400/630	YCM7-800
Breaking cap	acity	S	S	S	S, M	М
No. of poles		3,4	3,4	3,4	3,4	3,4
Code	Accessory name					
208, 308	Alarm contact	•	•	•		
210, 310	Shunt release					
220, 320	Auxiliary contact	0	0	0	0	0
230, 330	Under-voltage release					
240, 340	Shunt auxiliary contact				0	0
260, 360	Two groups auxiliary contacts		0	0	0	0
270, 370	Auxiliary contact UVT	□■	0	0		
218, 318	Shunt alarm contact					
228, 328	Auxiliary alarm contact	0			0	
238, 338	UVT alarm contact	•	•	•		
248, 348	Shunt auxiliary alarm contact					
268, 368	Two groups aux alarm contact				00	
278, 378	Aux contact UVT alarm contact					
280, 380	Two groups aux contact and shunt				0 0	0 0

Knob

● Alarm contact ○ Aux contact □ Shunt release ■ Under voltage release(UVT)

Remark: Right auxiliary, contact, left shunt, left UVT as options

Accessories connecting wire

Technical Data

Technical Data							
Туре		YCM7-125S	YCM7-160S	YCM7-250S			
Frame(A)		125	160	250			
Number of poles		3,4	3,4	3,4			
Products							
Rated current(A)		63, 80, 100, 125	63, 80, 100, 125, 140, 160	100, 125, 140, 160, 180, 200, 225, 250			
Rated voltage Ue(V)		AC400V/AC690V	AC400V/AC690V	AC400V/AC690V			
Rated insulation voltage	Ui(V)	AC800V	AC800V	AC800V			
Short-circuit breaking capacity Icu/1cs(kA)	AC400V	15/8	35/25	35/25			
Operation life (cycle)	ON	1000	1000	1000			
Operation life (cycle)	OFF	7000	7000	7000			
Motor-driven operation		•	•	•			
External rotary handle		•	•	•			
Automatic tripping device	ce	Thermo-magnetic	Thermo-magnetic	Thermo-magnetic			
Туре		YCM7-400S/M	YCM7-630M	YCM7-800M			
Frame(A)		400	630	800			
Number of poles		3,4	3,4	3,4			
Products							
Rate current(A)		250, 315, 350, 400	500, 630	500, 630, 700, 800			
Rated voltage Ue(V)		AC400V/AC690V	AC400V/AC690V	AC400V/AC690V			
Rated insulation voltage	Ui(V)	AC800V	AC800V	AC800V			
Short-circuit breaking capacity Icu/1cs(kA)	AC400V	35/25 50/35	50/35	50/35			
Operation life (cycle)	ON	1000	1000	500			
operation me (cycle)	OFF	4000	4000	2500			
Motor-driven operation		•	•	•			
External rotary handle		•	•	•			
Automatic tripping device	ce	Thermo-magnetic	Thermo-magnetic	Thermo-magnetic			

Means accessory as option

В

Characteristic Feature

1. Inverse time breaking action property of the over current release of the breaker (for power distribution) at the status that all poles and electrified simultaneously under abrent temp 40°C.

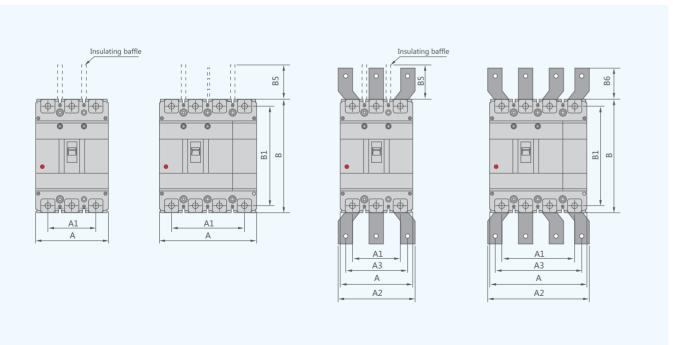
Test current	Current time	Conventi	onal time	Initial status
		In≤63	63 < In	
Conventional non-trip current	1.05	≥1h	≥2h	Cold status
Conventional trip current	1.30	<1h	< 2h	Hot status

2. When ambient temperature is ±40°C for electrmotor protection breaker, power on for every pole, inverse time limit characteristic of no temperature compensation is in the following sheet.

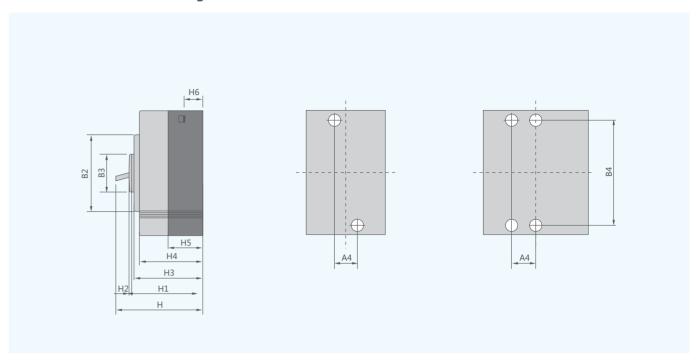
Test current	Current time	Conventional time	Initial status			
		In≤800				
Conventional non-trip current	1.0	≥2h	Cold status			
Conventional trip current	1.2	< 2h	Hot status			

- 3. Action property of the short-circuit release of the breaker
- Instant trip (for power distribution) I=10In
- Instant trip (for motor protection) I=12In
- Current setting accuracy ±20%

Front Connection & Overall



Outline Overall and Installing Dimensions



Maddadass	Overall dimensions														Installing dimensions									
Moulded case Circuit breaker	Α		A A1		A2		А3		В	В1	B2	В3	B5	В6	Н	Н1	Н2	НЗ	H4	Н5	Н6	A4	В4	Bolt
	3P	4P	3P	4P	3P	4P	3P	3P																
YCM7-125S	75	100	50	75	-	-	-	-	130	114	85	50	50	-	92	72	4	68	61	41	24	25	111	M8/M6
YCM7-160S	90	120	60	90	-	-	-	-	155	134	103	50	50	-	94	72	4	68	61	41	24	30	132	M8
YCM7-250S	105	140	70	105	-	-	-	-	165	144	103	50	100	-	96	72	4	68	61	46	24	35	126	M8
YCM7-400S	140	185	88	132	140	196	112	168	257	230	179	90	110	43	155	107	5	105	97	64	36	44	194	M10
YCM7-400M	140	185	88	132	140	196	112	168	257	230	179	90	110	43	155	107	5	105	97	64	36	44	194	M10
YCM7-630M	140	185	88	132	140	196	112	168	257	230	179	90	110	42	155	107	5	105	97	64	36	44	194	M10
YCM7-800M	210	280	140	210	180	250	140	210	275	243	192	90	110	87	155	107	5	104	97	65	24	70	242.5	M12