

HONGFA UEW5 SERIES INTELLIGENT AIR CIRCUIT BREAKER (ACB)



UEW5 Series Intelligent Air Circuit Breaker(ACB) are applicable to the power distribution circuit under the condition of AC50Hz/60Hz, rated working voltage 400V or 690V, rated current 630 ~ 6300A, these circuit breakers with high breaking capacity and zero flashover, take the role of distributing power and protecting wires and equipment from being damaged by overload, under-voltage, short circuit and ground fault etc. The circuit breakers provide intelligent protection function and precise selective protection which will improve reliability and safety of power supply to avoid unnecessary power failure.

Standards:

IEC 60947-2 low-voltage switchgear and control gear part 2: circuit breaker. Operating Temperature:

Common type: $-5^{\circ}\text{C}\sim 40^{\circ}\text{C}$.

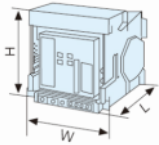
Low temperature type: $-40^{\circ}\text{C}\sim 55^{\circ}\text{C}$.

Storage Temperature: $-20^{\circ}\text{C}\sim 70^{\circ}\text{C}$.

UEW5 ACB Table 1 Features

Accessories	Intelligent release power supply	AC400V, 230V; DC220V, 110V (Suitable power module is needed under DC connection)
	Shunt release	AC380V, 220V; DC220V, 110V
	Closing electromagnet	
	Motor-driven mechanism	
Special Features	Under-voltage release	AC380V, 220V; Under voltage instantaneous release (1S, 3S, 5S for option)
	Auxiliary contact	4 groups of transfer Switching (Normal), 2NO, 6NC 6 groups transfer
	Opening lock	1 lock 1 key, 2 locks 1 key, 3 locks 2 keys
	Mechanical Interlock	Horizontal interlock, vertical interlock
	Frame	Provided along with breaker
	Clapboard	
	Hook	Installed in breaker before leaving factory
	Button locking equipment (user prepare the lock)	
	Power module (For Intelligent release)	DC220V, 110V
	ST power module (For ST201 Relay module)	AC380V, 220V; Output DC24V, Max 9.6W
ST201 Relay module	AC380V, 220V (It's needed to meet function of remote)	

UEW5 ACB Table 2 Main Specifications

Type		UEW5-2000						
Rated frame current Inm (A)		2000						
Rated current In (A)		630	800	1000	1250	1600	2000	
Rated working voltage Ue (V)		AC400, AC690						
Rated insulation voltage Ui (V)		AC690, AC1000						
Number of poles		3, 4	3, 4	3, 4	3, 4	3, 4	3, 4	
Rated current of N pole IN (A)		50% or 100% In						
Rated ultimate short-circuit breaking capacity Icu(kA) (effective value)	AC400V	80/85	80/85	80/85	80/85	80/85	80/85	
	AC690V	50/65	50/65	50/65	50/65	50/65	50/65	
Rated ultimate short-circuit breaking capacity Icu(kA) (effective value)	AC400V	50/85	50/85	50/85	50/85	50/85	50/85	
	AC690V	50/65	50/65	50/65	50/65	50/65	50/65	
Rated short circuit making capacity Icm(kA) (peak value)	AC400V	50/85	50/85	50/85	50/85	50/85	50/85	
	AC690V	40/65	40/65	40/65	40/65	40/65	40/65	
Full breaking time (without additional delay) (ms)		25-30						
Closing time (ms)		70 at maximum						
Intelligent controller	Basic	o	o	o	o	o	o	
	Multi-functional	o	o	o	o	o	o	
	Communication	o	o	o	o	o	o	
Dielectric performance 50Hz/60Hz		AC 2500V 1min						
Operational performance	Electrical life	AC400V	8000	8000	8000	8000	8000	8000
		AC690V	3000	3000	3000	3000	3000	3000
	Mechanical life	Non-maintenance	15000	15000	15000	15000	15000	15000
		Maintenance	30000	30000	30000	30000	30000	30000
	Connection pattern		Horizontal, vertical					
	Pattern	Draw-out	o	o	o	o	o	o
		Fixed	o	o	o	o	o	o
	External Dimensions HxWxL (mm)	Fixed 3P	395x362x323					
		Fixed 4P	395x457x323					
		Draw-out 3P	433x375x420					
Draw-out 4P		430x470x420						