



UKM32 塑壳断路器
UKM32 MCCB

产品概览 Product Description

UKM32系列断路器用于低压配电系统和电动机的通断和保护

一般配电保护用: UKM32-160 UKM32-250 UKM32-630 UKM32-1250

电动机保护用: UKM32-160M UKM32-250M UKM32-630M UKM32-1250M

隔离开关: UKM32-160NA UKM32-250NA UKM32-630NA UKM32-1250NA

The UKM32 series breakers are used for making, breaking, and the protection of low-voltage distribution systems and motors.

For protection of power distribution: UKM32-160 UKM32-250 UKM32-630 UKM32-1250

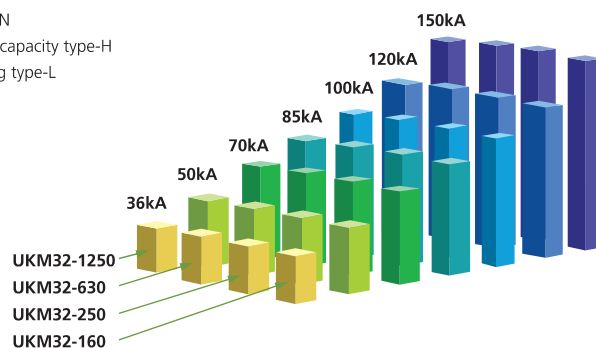
For motor protection: UKM32-160M UKM32-250M UKM32-630M UKM32-1250M

Disconnecter: UKM32-160NA UKM32-250NA UKM32-630NA UKM32-1250NA

对于每种型号断路器,都有多种分断能力,应对用户的各种保护需求:

Several breaking capacities exist for each model of circuit breaker, meeting the demands for varying types of protection:

- 标准型-N Standard type-N
- 高分断型-H High-breaking capacity type-H
- 限流型-L Current limiting type-L



对于每种型号的UKM32断路器,有多个额定电流等级

For each UKM32 circuit breaker, several rated current levels are available.

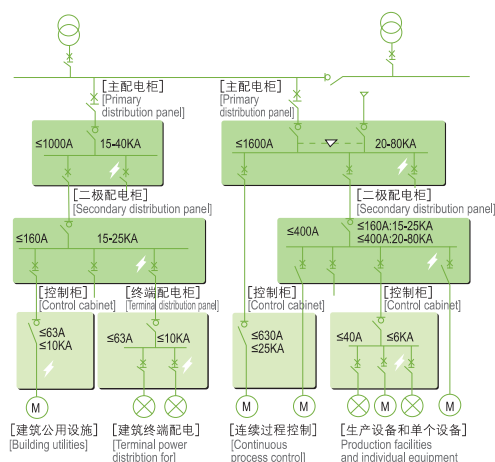
型号 Type	额定电流(A) Rated current(A)										
UKM32-160	16	20	25	32	40	50	63	80	100	125	160
UKM32-250	40	50	63	80	100	125	160	200	250	-	-
UKM32-630	300	400	500	630	-	-	-	-	-	-	-
UKM32-1250	800	1000	1200	-	-	-	-	-	-	-	-

注: Note:

- UKM32-160仅热保护可调, 范围: $IR=(0.8-1.0)I_n$
- UKM32-250热磁保护均可调, 范围: $IR=(0.8-1.0)I_n$, $li=(5-10)I_n$
- UKM32-630同UKM32-250
- UKM32-160 is adjustable for thermal protection, range: $IR=(0.8-1.0)I_n$
- UKM32-250 is adjustable for thermal and magnetic protection, range: $IR=(0.8-1.0)I_n$, $li=(5-10)I_n$
- UKM32-630 is the same as UKM32-250

隔离开关 Disconnector

- 一种与断路器尺寸相同的产品, 常用在用电设备和不同母线之间的联络与隔离;
- 不能切断短路电流, 也无保护功能, 可与熔断器组合使用。
- A product equal to the size of the circuit breaker, commonly used in the connection and isolation between the power consumers and different busbars.
- Cannot cut off the short-circuit current, has no protective functions, and may be used in conjunction with the fuse.



产品特点 Product Advantages

轴承式转轴 Rotating Shaft With Bearing

创新性的轴承式转轴给断路器带来:

The innovative rotating shaft with bearing allows the circuit breaker to:

- 更小的主拉簧力和机构摩擦力
- 更少的机构磨损
- 更快更灵活的机构动作

一款经久耐用的高性能断路器

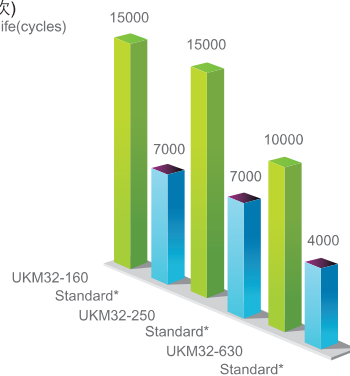
更长的产品使用寿命, 可降低用户更换断路器的频率和成本。

- Have a smaller main tension spring force and mechanism friction force
- Have lower mechanism abrasion
- Contain a more quick and flexible mechanism action

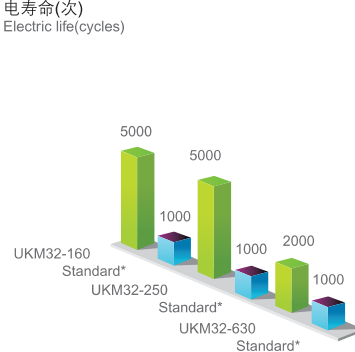
A kind of durable, high-performance circuit breaker

The user will be able to reduce the frequency and cost of changing the circuit breaker due to its longer life span.

机械寿命(次)
Mechanical life(cycles)



电寿命(次)
Electric life(cycles)



快速动作 Snap Action

利用气吹原理加快断路器的分断速度, 提高断路器的分断能力以及限流能力。

- 每一型号的UKM32断路器均有多种不同的分断能力, 用户可根据实际需求选择一款最适合的。
- 每一型号的UKM32断路器最大分断能力均已达到150kA。

The breaking speed of the circuit breaker is accelerated (breaking time within 2 ms), and its breaking capacity and current capacity are improved by utilizing a gas-flushing principle.

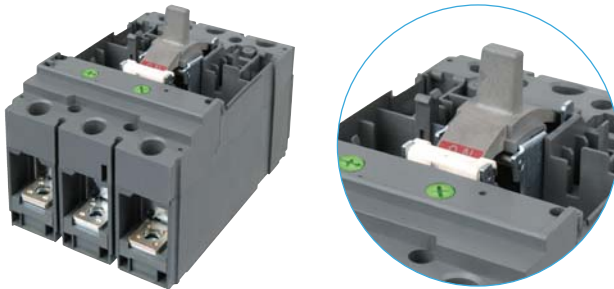
- There are several different breaking capacities for each model of the UKM32 circuit breaker. Therefore, users may choose the most optimal breaker as per their actual demands.
- The maximum breaking capacity of each model of UKM32 circuit breaker is up to 150 kA.

气吹原理 Gas-Flushing Principle

在断路器分断短路电流时, 会产生大量高温高压的气体。

UKM32设计了专门的气体流动通道, 将产生的大量气体引入快速动作机构, 利用气体的压力使辅助机构动作, 整个分断时间可以控制在2ms以内, 大大降低了短路电流对其它电气元件器件及母线的损害。

When the circuit breaker breaks the short circuit current, large quantities of high-temperature and high-pressure gas will be generated. A special gas flow path is designed for the UKM32 breaker, which will lead gas being generated to the fast-actuating mechanism. The auxiliary mechanism is activated by the gas pressure, and the entire breaking time may be controlled within 2 ms. Consequently, the damages caused by the short circuit current to other electric components and the busbar are greatly decreased.



限流能力 Current-limiting Capacity

限流就是限制回路中的短路电流的上升，使用UKM32系列产品保护回路中，短路电流的峰值以及I²t能量，都会远远小于预期值。

■U型静触头设计

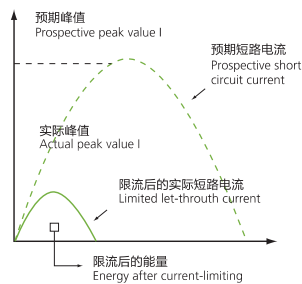
独特的U型静触头可实现分断技术：

所谓预分断技术是指当短路电流流过触头系统时，U型静触头和动触头上产生的电动力是相互排斥的。短路电流越大，相斥的电动力也越大，且与短路电流同时产生。在脱扣动作发生前，电动斥力就可以使动触头分离，通过拉长电弧增大它们之间等效电阻，达到抑制短路电流上升的目的。

■双断点设计

瞬间电弧电阻增大，电弧电压增大，电流上升率急剧下降，增加预分断技术的限流作用；

降低短路电流对设备和线路的危害和损耗，提高安全性，并可使用级联，降低下级保护设备的成本。



Current limiting means the limiting increase of the short circuit current in a circuit. In a circuit protected by the UKM32 product series, both the peak value and energy I²t of the short circuit current generated are far less than expected.

■U-Type fixed contact design

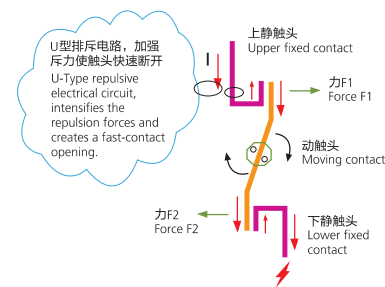
The pre-breaking technique may be realised by means of a unique U-Type fixed contact.

The pre-breaking technique refers to that of the electrodynamic force generated through the U-Type fixed contact and that which occurs on moving contact system. The higher the short circuit current, the bigger the repulsive electrodynamic forces they generate simultaneously. Prior to releasing, the electrodynamic repulsive forces may separate the moving contact from the fixed contact, and the equivalent resistance between these two contacts is increased by stretching the electrical arc.

■Double break design

The current-limiting function of the pre-breaking technique is enhanced because of increase in instantaneous arc resistance and arc voltage and a fast drop in the current increase rate.

Reduces the damage and loss of equipment and the power lines caused by a short circuit current, improves the safety, and cuts down on the cost of a secondary protection device.



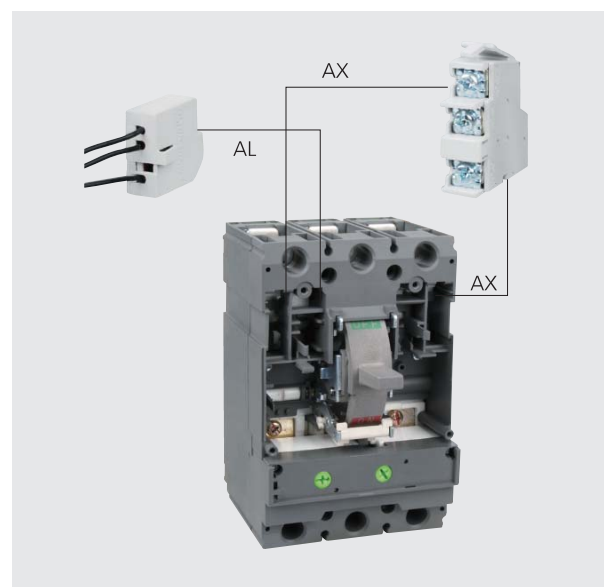
模块化设计 Modularized Design

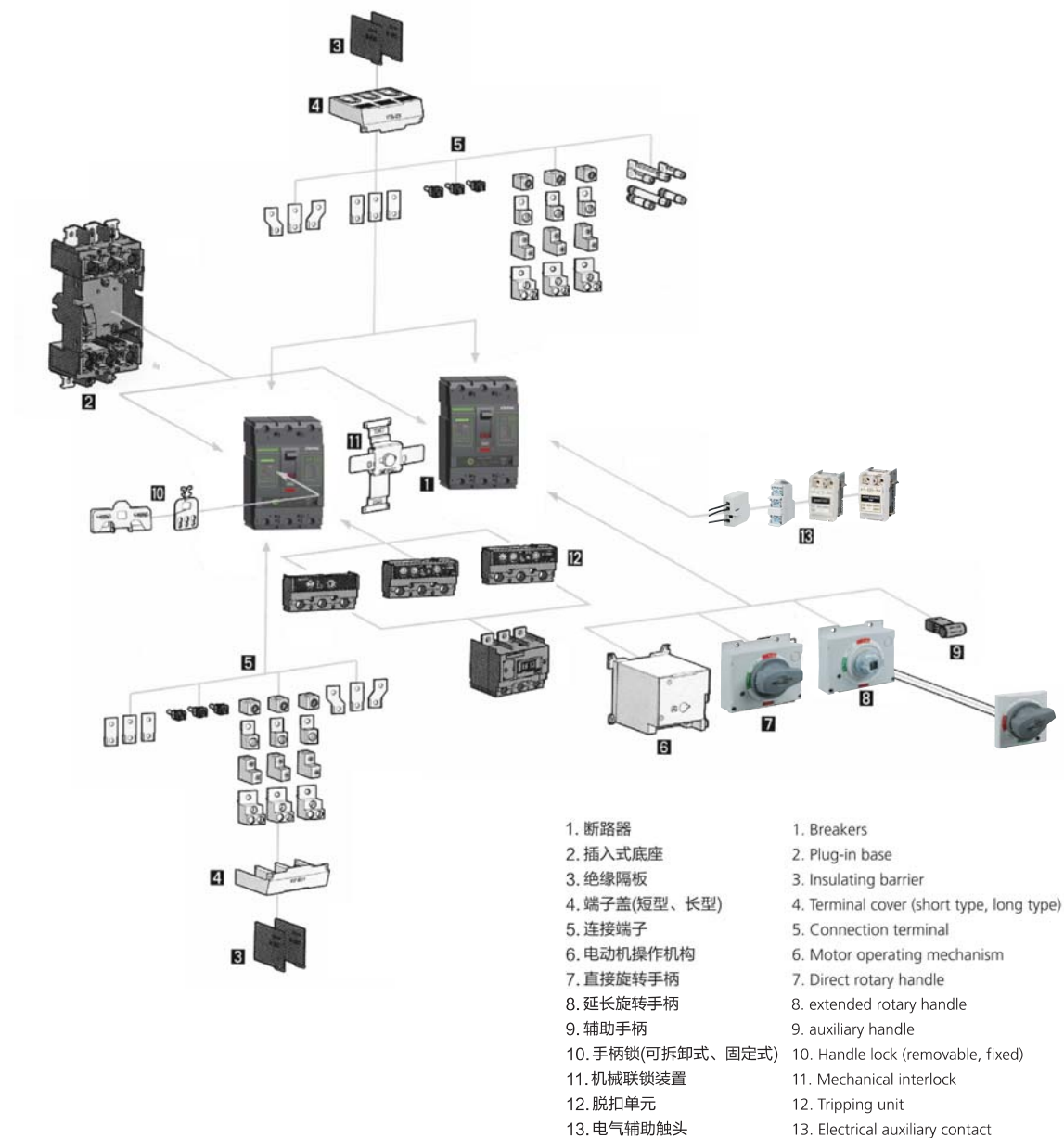
■断路器：对于同一壳架的断路器，无论分断能力和额定电流的大小，尺寸是唯一的；

■附件：用户可以根据自己的需求任意的选择附件，扩展断路器的功能。

■ Circuit breakers: For circuit breakers within the same frame, without reference to the size of the breaking capacity and rated current, the dimension is the same.

■ Accessories: The users may select accessories randomly as per their demands and expand the functions of the circuit breakers.





先进的电磁场分析 Advanced Magnetic Field Analysis

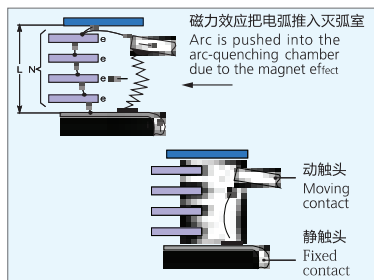
断路器触头系统内的电磁场的分布对其性能有着直接的影响，但是，电磁场不具备直观性。

UKM32在设计时采用了全面的仿真技术与试验结合的方法，保证了电磁场的合理分布，赋予断路器优异的性能：

For a circuit breaker, the distribution of the magnetic field in its contact system has a direct impact on its performance, but the magnetic field is not visible.

The UKM32 is designed by combining the overall simulation technique with several tests, which enables a rational distribution of the magnetic field and endows a circuit breaker with excellent performance capabilities:

- 保证在短路故障发生瞬间产生强大的电动斥力；
- 保护电弧在瞬间被吹入灭弧室；
- 保护在断路器正常工作时动静触头之间有足够的压力，两者之间的接触电阻足够小。



磁吹灭弧原理
Magnetic-blow quenching principle

- Ensuring that a strong electrodynamic repulsion force will be generated as soon as a short-circuit occurs;
- Ensuring that the electrical arc can be blown into the arcing chamber instantly;
- Ensuring that there will be sufficient pressures between the moving contact and the fixed one when the circuit breaker functions normally and the contact resistance between the two contacts is sufficiently low.



触头的电磁场分布
Distribution of magnetic field between contacts

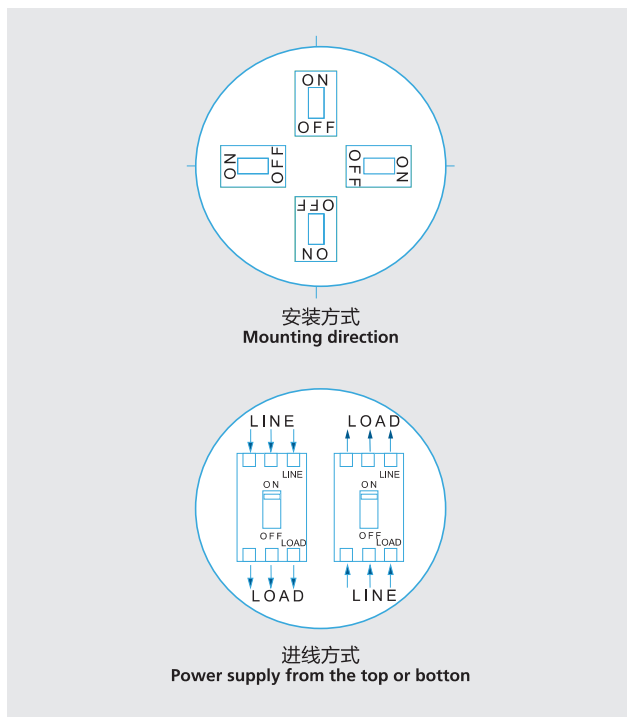
优化的尺寸 Optimized Dimensions

为用户安装上更加方便，节省空间，UKM32断路器在设计和生产中"浓缩"体积，减轻重量，并保证其依旧拥有优异的性能。

- 加之巧妙的零飞弧设计，更有效的节省用户的安装空间
- 多种安装及进线方式，尊重不同的安装习惯

For easier installation and more space-saving capabilities, the volume of the UKM32 circuit breaker is designed and manufactured in a compact size and light weight, while its excellent performance is maintained.

- Additionally, the required mounting space is further reduced effectively due to its innovative zero flashover design.
- Several ways for mounting and the introduction of incoming lines allow for better mounting by adapting to different installation practices.





对环境友好 Environmentally-friendly

设计/生产 Design/Manufacturing

UKM32自身不含有毒或有害物质，生产加工过程按ISO14001要求进行

The UKM32 does not contain any noxious or hazardous substances, and its manufacturing and processing processes are performed in accordance with the requirements of the ISO 14001.

配送 Distribution

在配送过程中采用环保材料

Environmentally-protective materials are used in the course of distribution.



运行 Operation

运行时发热量低，功耗小，对周边环境影响小

Low temperature rise, low power consumption, and minor influences to the surrounding environment during operation.



回收 Recycling

80%以上的材料在使用寿命结束后可回收再利用

Over 80% of its component materials can be recycled and reused at the end of its service life.



标准和认证 Standards and Certifications

国际标准 International standards	国家标准 Chinese standards
产品标准 Product standards	
IEC 60947-1(总则General provisions)	GB 14048.1
IEC 60947-2(断路器Circuit breakers)	GB 14048.2
IEC 60947-3(开关、隔离Switches, isolation)	GB 14048.3
IEC 60947-4-1(电动机启动器Motor starters)	GB 14048.4
极限环境试验标准 Extreme environmental test standards	
IEC 60068-2-1(低温Low temperature)	GB/T 2423.1
IEC 60068-2-2(干热Dry heat)	GB/T 2423.2
IEC 60068-2-11(盐雾试验Salty mist test)	GB/T 2423.17
IEC 60068-2-30(湿热Moist heat)	GB/T 2423.4

运行条件 Operating conditions

温度 Temperature

- 可在最低-20℃,最高+75℃的温度条件下使用;
- 如需要工作低于-5℃或者高于+40℃的环境下，可按温度补偿系数表使用，或请联系我们。

- May be used in temperatures from-20~75;

- If the necessary working temperature is below -5 or above+40,use it according to those specified in the table of temperature compensation coefficient or please contact us for additional information.

海拔 Altitude

- 如需要安装在海拔超过2000m的情况下，可按海拔温度高度系数降容表使用，或请联系我们。

- Normally, the altitude above sea level at its installation site must not exceed 2,000m;

- If having to install at an altitude above 2,000 m use it according to those specified in the table of altitude-derating factors or please contact us if you have any questions and / or concerns.

湿度 Humidity

正常工作时需满足:

- 最湿月份的月平均相对湿度为90%;
- 需要考虑产品表面产生的凝露对产品性能的影响。

The following conditions must be met during normal operation;

- If the ambient air temperature is +40℃, the atmospheric relative humidity can not exceed 50%. If the temperature is lower, use it under the conditions for a higher degree of humidity.
- The monthly mean relative humidity needs to be below 90% in the dampest month.
- The effects of condensation on the product surface impacts its performance and needs to be taken into consideration.

产品已按照GB2423.4/IEC 60068-2-30做了严格的试验

Every product has been tested by strictly following the requirements given by IEC60068-2-30/GB2423.4

污染等级 Pollution Level

- 3级
- III Level III



技术参数 Technology Specification

UKM32系列一般配电保护用 UKM32 for protection of power distribution

配电用塑壳断路器 MCCBs for power distribution					UKM32-160			UKM32-250			UKM32-630			UKM32-1250		
																
壳架等级 Frame size [AF]					160			250			630			1250		
额定电流 I _n Rated current, I _n [A]					16,20,25,32,40,50 63,80,100,125,160			40,50,63,80 100,125,160,200,250			300,400,500,630			800,1000,1250		
极数 No. of poles					2*,3,4			2*,3,4			2*,3,4			3		
额定操作电压 U _e Rated operational voltage, U _e		AC	[V]		690			690			690			600		
		DC	[V]		500			500			500			500		
额定冲击耐受电压 U _{imp} Rated impulse withstand voltage, U _{imp} [kV]					8			8			8			8		
额定绝缘电压 U _i Rated insulation voltage, U _i					750			750			750			750		
额定极限短路分断能力 I _{cu} Rated ultimate short-circuit breaking capacity, I _{cu} [V]					N	H	L	N	H	L	N	H	L	N	H	
AC 50/60Hz		220/240V	[kA]		85	100	200	100	120	200	100	120	200	85	85	
		380/415V	[kA]		50	85	150	50	85	150	65	85	150	50	70	
		440/460V	[kA]		50	70	130	50	70	130	65	85	130	50	65	
		480/500V	[kA]		30	50	65	42	65	85	42	65	85	40	50	
		660/690V	[kA]		5	8	10	10	15	20	10	20	35	30	42	
DC		250V	[kA]		42	65	100	50	85	100	50	85	100			
2极串联 DC (2poles in series)		500V	[kA]		42	65	100	50	85	100	50	85	100	20	20	
额定运行分断能力 Rated service breaking capacity, I _{cs} [%I _{cu}]					100%	100%	100%	100%	100%	100%	100%	100%	100%	75%	75%	
额定短路接通能力I _{cm} Rated short-circuit making capacity I _{cm}																
AC 50/60Hz		220/240V	[kA]		187	220	440	220	264	440	220	264	440	63	63	
		380/415V	[kA]		105	187	330	105	187	330	143	187	330	37.5	52.5	
		440/460V	[kA]		105	154	286	105	154	286	143	187	286	37.5	48.5	
		480/500V	[kA]		63	105	143	88	143	187	88	143	187	30	37.5	
		660/690V	[kA]		8	14	17	17	30	40	17	40	74	22.5	31.5	
使用类别 Use category					A			A			A			B		
隔离功能 Isolation					●			●			●			●		
执行标准 Implementation of standards					IEC 60947-2			IEC 60947-2			IEC 60947-2			IEC 60947-2		
脱扣单元 (脱扣器) Trip unit (release)																
热-磁式 Thermal Magnetic																
●热磁固定式 ● thermal magnetic fixed FTU					●			●			●					
●热可调, 磁固定式 ● Heat adjustable magnetic fixed FMU					●			●			●					
●热磁可调式 ● thermal magnetic adjustable ATU					-			●			●					
●磁脱扣式 ● magnetic tripping type MTU**					●			●			●					
电子式 Electronic																
● LSI ● LSI ETS**					-			●			●			●		
● LSI ● LSI ETM**					-			-			●					
可选项 Options		接地故障保护I _g Ground-fault protection I _g			-			-			▲(可选Optional)			▲(可选Optional)		
		区域选择性联锁, ZSI Zone selective interlock,			-			-			▲(可选Optional)					
		电流表 Ammeter			-			-			▲(可选Optional)					
		通讯 Communication			-			-			▲(可选Optional)					
		漏电保护 Leakage protection			-			▲(可选)			▲(可选Optional)					
连接方式 Connection		固定式 Fixed			板前接线 Pre-wiring board			●			●					
					板后接线 Rear connection			●			●					
		插入式 Plug-in			板前接线 Pre-wiring board			●			●					
					板后接线 Rear connection			●			●					
机械寿命 Mechanical life [操作次数]					25000			25000			20000			10000		
电气寿命在415VAC Electrical life in 415VAC Number of operations					10000			10000			6000			5000		
基本尺寸, W x H x D Basic dimensions,		3-极 3P [mm]			90 x 140 x 86			105 x 160 x 86			142 x 260 x 110			327 x 199 x 235		
(板前接线) (Front connection)		4-极 4P [mm]			120 x140 x 86			140 x160 x 86			188 x 260 x 110					
重量 (板前接线)Weight (pre-wiring board)		3-极 3P [kg]			1.5			2			5.4			12		
		4-极 4P [kg]			1.8			2.6			7.2					

◆ 适用于配有FTU, FMU, ATU的MCCB

* 2极MCCB和3极的外壳尺寸相同

** 适用于3极塑壳断路器

◆ Suitable for with FTU, FMU, the ATU MCCB

* 2-pole MCCB and 3-pole housing the same size

** For 3-pole molded case circuit breaker

技术参数 Technology Specification

UKM32M系列电动机保护用 UKM32M for motor protection

电动机保护用塑壳断路器 MCCBs for motor protection				UKM32-160M			UKM32-250M			UKM32-630M			UKM32-1250M	
														
壳架电流 Frame size [AF]				160			250			630			1250	
额定电流 InRated current,in [A]				16,20,25,32,40,50 63,80,100,125,160			40,50,63,80 100,125,160,200,250			300,400,500,630			800,1000,1250	
极数 No. of poles				3			3			3			3	
额定操作电压 Ue		AC	[V]	690			690			690			690	
Rated operational voltage, Ue		DC	[V]	500			500			500			500	
额定冲击耐受电压 Uimp Rated impulse withstand voltage,Uimp				8			8			8			8	
额定绝缘电压 Ui Rated insulation voltage Ui [V]				750			750			750			750	
极限短路分断能力 Icu Rated ultimate short-circuit breaking capacity, Icu				N	H	L	N	H	L	N	H	L	N	H
AC 50/60Hz		220/240V	[kA]	85	100	200	100	120	200	100	120	200	85	85
		380/415V		50	85	150	50	85	150	65	85	150	50	70
		440/460V		50	70	130	50	70	130	65	85	130	50	65
		480/500V		30	50	65	42	65	85	42	65	85	40	50
		660/690V		5	8	10	10	15	20	10	20	35	30	42
额定运行短路分断能力 Rated service breaking capacity, Ics [%Icu]				100%	100%	100%	100%	100%	100%	100%	100%	100%	75%	75%
额定短路接通能力Icm Rated short-circuit making capacity, Icm														
AC 50/60Hz		220/240V	[kA]	187	220	440	220	264	440	220	264	440	63	63
		380/415V	[kA]	105	187	330	105	187	330	143	187	330	37.5	52.5
		440/460V	[kA]	105	154	286	105	154	286	143	187	286	37.5	48.5
		480/500V	[kA]	63	105	143	88	143	187	88	143	187	30	37.5
		660/690V	[kA]	8	14	17	17	30	40	17	40	74	22.5	31.5
使用类别 Use category				A			A			A			B	
隔离功能 Isolation				●			●			●			●	
执行标准 Implementation of standards				IEC60947-2			IEC60947-2			IEC60947-2			IEC60947-2	
脱扣单元(脱扣器) Trip unit(														
● 仅磁脱扣 ● only magnetic trip MTU				●			●			●				
连接方式 Connection	固定式 Fixed	板前接线 Pre-wiring board	●			●			●					
		板后接线 Rear connection	●			●			●					
	插入式 Plug-in	板前接线 Pre-wiring board	●			●			●					
		板后接线 Rear connection	●			●			●					
机械寿命 Mechanical life [操作次数]				25000			25000			20000			10000	
电气寿命 Electrical life in 415VAC		Number of operations		10000			10000			6000			5000	
基本尺寸 W x H x D		3-极 3P	[mm]	90 x 140 x 86			105 x 160 x 86			142 x 260 x 110			327 x 199 x 235	
Basic dimensions,														
重量(板前接线) Weight(pre-wiring board) 3-极 3P [kg]				1.5			2			5.4			12	

技术参数 Technology Specification

UKM32NA系列隔离开关 UKM32NA disconnecter

隔离开关 Switch-disconnectors				UKM32-160NA	UKM32-250NA	UKM32-630NA	UKM32-1250NA
							
壳架等级 Frame size		[AF]		160	250	630	1250
约定发热电流 I _{th} Conventional thermal current, I _{th}		[A]		160	250	630	800,1000,1250
极数 No. of poles				2,3,4	2,3,4	2,3,4	3
额定操作电压 U _e Rated operational voltage, U _e	AC	[V]		690	690	690	690
	DC	[V]		500	500	500	500
额定操作电流 I _e Rated operational current, I _e				160	250	630	1250
额定冲击耐受电压 U _{imp} Rated impulse withstand voltage, U _{imp}		[kV]		8	8	8	8
额定绝缘电压 U _i Rated insulation voltage, U _i		[V]		750	750	750	750
额定短路接通能力 I _{cm} Rated short-circuit making capacity, I _{cm}		[KA peak]		3.1	4.9	8.5	10
额定短路耐受电流 I _{cw} Rated short-time withstand current, I _{cw}	1s	[A rms]		2200	3500	6300	12500
	3s	[A rms]		2200	3500	6300	12500
	20s	[A rms]		960	1350	2320	4000
绝缘性能 Isolation behavior				●	●	●	●
脱扣器 Trip unit(release)							
隔离开关 disconnecter unit		DSU		●	●	●	●
接线 Connection	固定式 fixed	板前接线 front-connection		●	●	●	●
		板后接线 rear-connection		●	●	●	
	插入式 plug-in	板前接线 front-connection		●	●	●	
		板后接线 rear-connection		●	●	●	
机械寿命 Mechanical life		操作次数 [operations]		25000	25000	20000	10000
电寿命 Electrical life @ 415 V DC		操作次数 [operations]		10000	1000	6000	5000
基本尺寸长×高×深 Basic dimensios, W×H×D							
3-极pole		[mm]		90× 140× 86	105× 160× 86	140× 260× 110	327× 199× 235
板前接线 (front connection)		4-极pole	[mm]	120× 140× 86	140× 160× 86	186.5× 260× 110	
重量 Weight		3-极pole	[kg]	1.5	2	5.4	12
板前接线 (front connection)		4-极pole	[kg]	1.8	2.6	7.2	
参考标准 Reference standard				IEC60947-3	IEC60947-3	IEC60947-3	IEC60947-3

隔离开关与断路器不同没有约定保护装置。其外尺寸、接线系统以及附件与相应的断路器相同。安装标准要求逆流保护。但由于其优质磁脱扣器，UKM32NA-160Y UKM32NA-630DSU 有自我保护功能。

The switch-disconnectors are different from the circuit-breakers in the absence of the conventional protection unit. They keep the overall dimensions, connection systems and accessories unchanged from the corresponding circuit-breakers. Installation standards require upstream protection. However, than UKM32 to their high-set magnetic release, UKM32NA-160 UKM32NA-630 DSU are self protected.

内部附件 Internal Accessories





辅助触头(AX)
Auxiliary contact(AX)

功能 Function

- 断路器状态(如分、合闸)指出输出
Indication for the state of a circuit breaker(e.g opening, closing)



报警触头(AL)
Alarm contact(AL)

功能 Function

- 针对断路器脱扣动作发出报警信号
To send an alarm signal when the circuit breaker is released



分励脱扣器(SHT)
Shunt release(SHT)

功能 Function

- 远程控制断路器脱扣
To control releasing of a circuit breaker remotely



欠压脱扣器(UVT)
Under-voltage release(UVT)

功能 Function

- 欠电压保护
Under-voltage protection

类型 Type

- 一常开一常闭 One NO. one NC
- 二常开二常闭 Two NOs, two NCs

电源类型 Type of power supply

- AC400V ■ DC220V
- AC230V ■ DC110V
- AC110V ■ DC48V
- AC48V ■ DC24V

电源类型 Type of power supply

- AC400V
- AC230V

外部附件 External Accessories

旋转操作手柄 Rotary handles

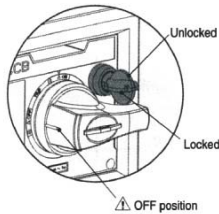
直接式或加长式的室门上有旋柄操作机构。
一般配有室门锁，如果客户要求，也提供钥匙锁在
断开位置。

The rotary handle operating mechanism is available
in either the direct version or in the extended version
on the compartment door.
It is always fitted with a compartment door lock and
on a request it can be supplied with a key lock in the
open position.

防护等级 Degree of protections

类型 Type	防护等级 Degree of protection	等级 Protection
带面框和直接式旋转操作手柄的断路器 Circuit breaker with cover frame and rotary direct handle	1.0mm 直径的接入探针应不能穿透。 The access probe of 1.0mm diameter shall not penetrate.	IP40
带面框和加长旋转操作手柄的断路器 Circuit breaker with cover frame and rotary extended handle	完全防尘、防任何角度的喷射水。 Totally protected against ingress of dust and water jets from any direction	IP65

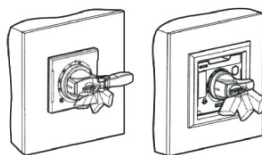




直接式旋转操作手柄 Direct rotary handles

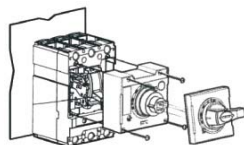
塑壳断路器 MCCB	旋转操作手柄 Rotary handle
UKM32-160	DH1
UKM32-250	DH2
UKM32-630	DH3

直接式带钥匙锁旋转操作手柄 Direct rotary handles with a key lock



塑壳断路器 MCCB	旋转操作手柄 Rotary handle	锁功能 Lock function
UKM32-160	DHK1	锁在ON或OFF位置 Lock in On or Off position
UKM32-250	DHK2	
UKM32-630	DHK3	

加长旋转操作手柄 Extended rotary handles



塑壳断路器 MCCB	可挂锁装置 Padlockable device
UKM32-160	EH1
UKM32-250	EH2
UKM32-630	EH3

可用挂锁将断路器锁在ON或OFF位置

Padloc UKM32-can be used to lock the breaker in the ON or OFF position.

型号规格及其含义 Selection

UKM32	160	M	160	3P
↓	↓	↓	↓	↓
产品代号 Product name	壳架等级额定电流代号 Rated frame current code	功能代号 Function code	额定电流 Rated current	极数 Pole
	160	空缺 Vacancy	16-160	2, 3, 4
	250	M 一般配电保护 General distribution protection	40-250	2, 3, 4
	630	NA 电机保护 Motor Protection	300-630	2, 3, 4
		隔离开关 Isolation switch		

产品特点 Product Advantages

LCD2系列电动操作机构采用先进“开关电源”技术，利用小型永磁式电动机驱动，可交直流两用，工作电流小，适用于63~800A塑壳断路器。

LCD2 series motor driven mechanism adopted the advanced switching source technology, used the small permanent magnetic motor to drive, both DC/AC are workable, working current is small, suitable for 63~800A moulded case circuit Breaker.



型号规格 Type	配用断路器 operated Breaker	外形安装尺寸 outline and mounting size				额定电压(V) Rated voltage	动作电流(A) Action current	机械寿命(次) mechanical life (cycles)	电机功率(W) motor power (w)
		a	b	A	H				
LCD2-63/M	UKM32-160	25	117	73	91	110~240AC 100~220DC或24DC	≤0.5	14000	14
LCD2-225/M	UKM32-250	35	126	90	92	110~240AC 100~220DC或24DC	≤0.5	10000	14
LCD2-630/M	UKM32-630	58	200	130	153	230AC/220DC或110 AC/110DC或24DC	≤2	5000	35

