UKM32 Series Moulded Case Circuit Breaker
系列塑料外壳式断路器

Technology Specification
技术参数

UKM32 系列电子式一般配电保护用
UKM32 for protection of power distribution

配电用塑壳断路器 MCCBs for power distrbution			250ETS	630ETS	1250ETS
					
壳架等级额定电流 Inm(A)			250	630	1250
额定电流(A) In Rated curent, In			40,100,160,250	300,400,500,630	800,1000,1250
极数 No. of poles			3,4	3,4	3,4
额定操作电压(V) Ue Rated operational voltage (V) Ue			750	750	750
额定冲击耐受电压(kV) Uimp Rated impulse withstand voltage (kV), Uimp			8	8	8
额定绝缘电压 Ui Rated insulation voltage, Ui			750	750	750
额定极限短路分断能力 Icu Rated ultimate short-circuit breaking capacity(V), Icu			N	N	N
AC 50/60Hz(kA)		220/240V	100	100	85
		380/415V	50	65	50
		440/460V	50	65	50
		480/500V	42	42	40
		660/690V	10	10	30
额定运行短路分断能力(%Icu)Ics Rated service breaking capacity(%Icu), Ics			100%	100%	75%
额定短路接通能力(kA) Icm AC 50/60Hz Rated short-circuit making capacity(kA), Icm		220/240V	220	220	63
		380/415V	105	143	37.5
		440/460V	105	143	37.5
		480/500V	88	88	30
		660/690V	17	17	22.5
使用类别 Use category			A	A	B
隔离功能 Isolation			●	●	●
执行标准 Implementation of standards			IEC60947-2	IEC60947-2	IEC60947-2
脱扣单元（脱扣器）Trip unit(release)					
电子式 Electronic					
● LSI	● LSI	ETS**	●	●	●
● LSI	● LSI	ETSM	●	●	
连接方式 Connection	固定式 Fixed	板前接线 Pre-wiring board	●	●	●
		板后接线 Rear cpmmection	●	●	
	插入式 Plug-in	板前接线 Pre-wiring board	●	●	
		板后接线 Rear connection	●	●	
机械寿命(操作次数) Mechanical life(Number of operations)			25000	20000	
电气寿命在415VAC Electrical life in 415VAC			10000	6000	
基本尺寸(mm) Basic dimensions(mm) W x H x D		3-极 3P	105 x 160 x 86	142 x260 x 86	327 x 199 x 235
板前接线(mm) Pre-wiring board(mm)		4-极 4P	140 x 160 x 86	188 x 160 x 86	327 x 265 x 235
重量(板前接线kg) Weight (pre-wiring board)		3-极 3P	2	5.4	12
		4-极 4P	2.6	7.2	15.6

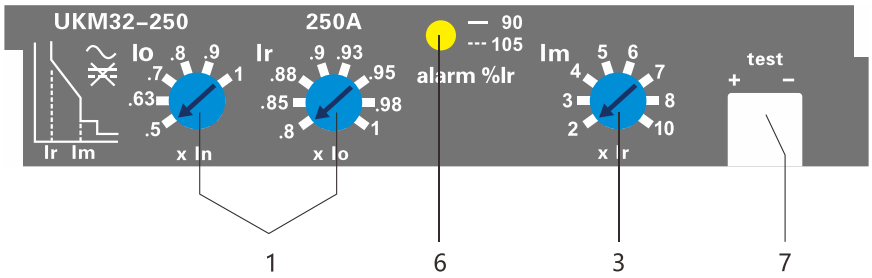
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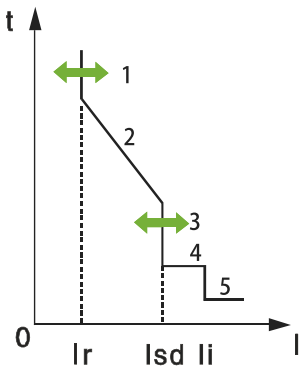
UKM32-250 Circuit Breaker Can Be Equipped With Electronic Release STK23SE

UKM32–250断路器可装电子脱扣器STK23SE

STK22SE电子式脱扣器特性

STK22SEElectronicReleaseCharacteristics





1、长延时保护整定值
2、长延时保护延时时间
3、短路短延时保护整定值
4、短路短延时保护延时时间
5、短路瞬时保护
6、预警指示灯
7、测试灯
8、运行指示灯

1.Long delay protection setting value
2.Long delay protection delay time
3.Short circuit short delay protection setting value
4.Short circuit short delay protection delay time
5.Short circuit instantaneous protection
6.Warning indicator
7.Test light
8.Running indicator

保 护	Protect
LT过载保护（长延时）r可调（1）	LT overload protection (long delay) r adjustable (1)
ST短路短延时电流保护	ST short-circuit short-time delay current protection
Isd动作值可调	Isd action value adjustable
具有因定的短延时时间（4）	With a defined short delay time (4)
INST短路瞬时电流保护动作值(5)固定	INST short-circuit instantaneous current protection action value (5) fixed

指 示	Indication
过载指示(6)	Overload indication (6)
工作电流大于90%Ir时，指示灯长亮	When the working current is greater than 90%Ir, the indicator light is on
工作电流大于105%Ir时，指示灯闪烁	When the working current is greater than 105%Ir, the indicator light flashes

测 试	Test
测试孔(7)，可接16–20V直流电源，检查断路器是否正常脱扣。	The test hole (7) can be connected to 16-20V DC power supply to check whether the circuit breaker trips normally.

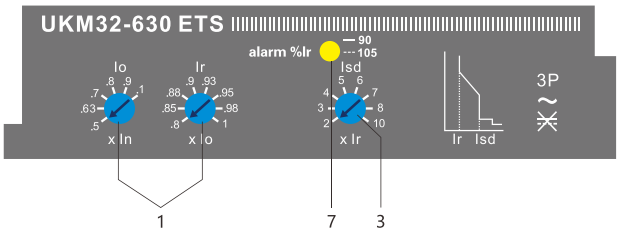
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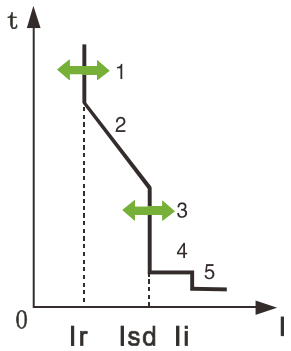
UKM32-400-630 Circuit Breaker Can Be Equipped With Electronic Release STK23SE

UKM32–400～630断路器可装电子脱扣器STK23SE

STK22S电子式脱扣器特性

STK22SEElectronicReleaseCharacteristics





1、长延时保护整定值

2、长延时保护延时时间

3、短路短延时保护整定值

4、短路短延时保护延时时间

5、短路瞬时保护整定值

保　护

保护功能通过整定旋钮来设定。

过载保护

过载长延时保护的门限值可调，脱扣延时时间固定：

粗调（0.5–1，6点可调）

细调（0.8–1，8点可调）

Overload protection

The threshold value of overload long-delay protection is adjustable, and the tripping delay time is fixed:

Coarse adjustment (0.5-1, 6 points adjustable)

Fine tuning (0.8-1, 8 points adjustable)

短路保护

短路短延时的电流整定值可调，脱扣延时时间固定

短路瞬时保护电流整定值固定

Short circuit protection

The current setting value of short-circuit short-time delay is adjustable, and the tripping delay time is fixed

Short-circuit instantaneous protection current setting value is fixed

4极保护

标准4极断路器，中性线保护通过3档来设定，

其中4P3d(无中性线保护)

4P3d+N/2(中性线保护动作值为0.5Ir)，

4P4d(中性线保护动作值为Ir)

4 pole protection

Standard 4-pole circuit breaker, neutral protection is set by 3 gears, of which 4P3d (without neutral protection)

4P3d+N/2 (the action value of neutral line protection is 0.5Ir),

4P4d (the action value of neutral line protection is Ir)

指 示

过载指示(7)：

大于90%Ir时，LED灯亮

大于105%Ir时，LED闪烁

Indication

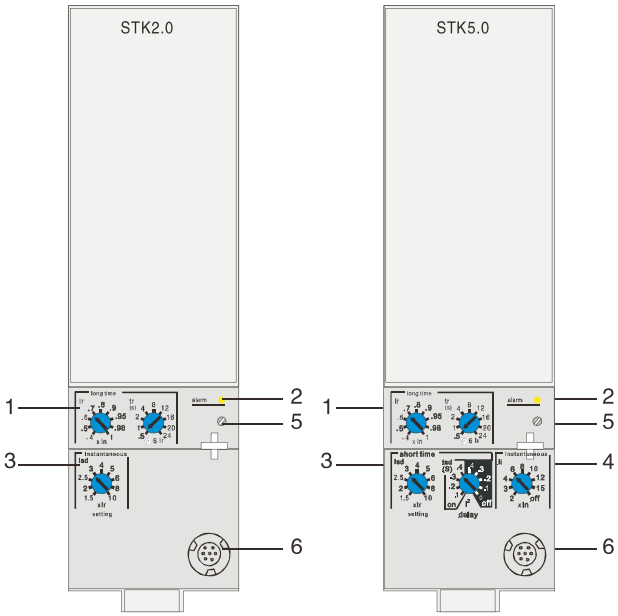
Overload indication (7)

When more than 90%Ir, the LED light is on

When greater than 105%Ir, the LED flashes

UKM32-1250ET STK2.0/5.0 release

UKM32–1250ET STK2.0/5.0脱扣器

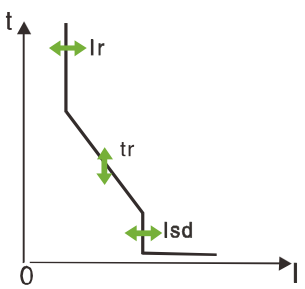


1、过载保护(长延时)电流整定和脱扣延时时间整定
2、过载信号(LED)
3、短路短延时电流整定和短延时时间整定
4、短路瞬时电流整定
5、长延时整定模块固定螺钉
6、测试灯

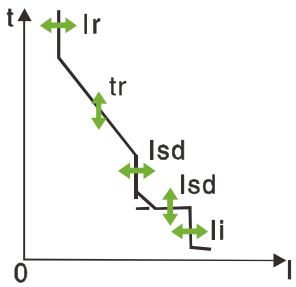
1.Overload protection (long delay) current setting and trip delay time setting
2.Overload signal（LED）
3. Short circuit short delay current setting and short delay time setting
4.Short-circuit instantaneous current setting
5.Long-time delay setting module fixing screws
6.Test light

STK2.0和5.0控制单元保护电源电路
STK5.0提供短路短延时的时间选择性

STK2.0 and 5.0 control unit protection power circuit
STK5.0 provides time selectivity of short circuit and short delay



STK2.0电子脱扣器
STK2.0 Electronic release



STK5.0电子脱扣器
STK5.0 Electronic release

注：STK2.0电子脱扣器短路短延时延时时间因定不可调。
Note: The STK2.0 electronic release has short-circuit short-time delay, and the delay time is fixed and cannot be adjusted.

保　护	Protection
保护阈值和延时时间全用调节旋钮来整定	The protection threshold and delay time are all set with the adjustment knob
提供标准长延时整定模块	Standard long delay tuning module available
过载保护	Overload protection
热记忆：在脱扣之前和脱扣之后的热积累	Thermal memory: thermal accumulation before and after tripping
指　示	Indication
过载指示通过面板上的报警LED来实现。	Overload indication is achieved through the alarm LED on the panel.
当电流超过长延时整定阈值时LED点亮	LED lights up when the current exceeds the long-time setting threshold