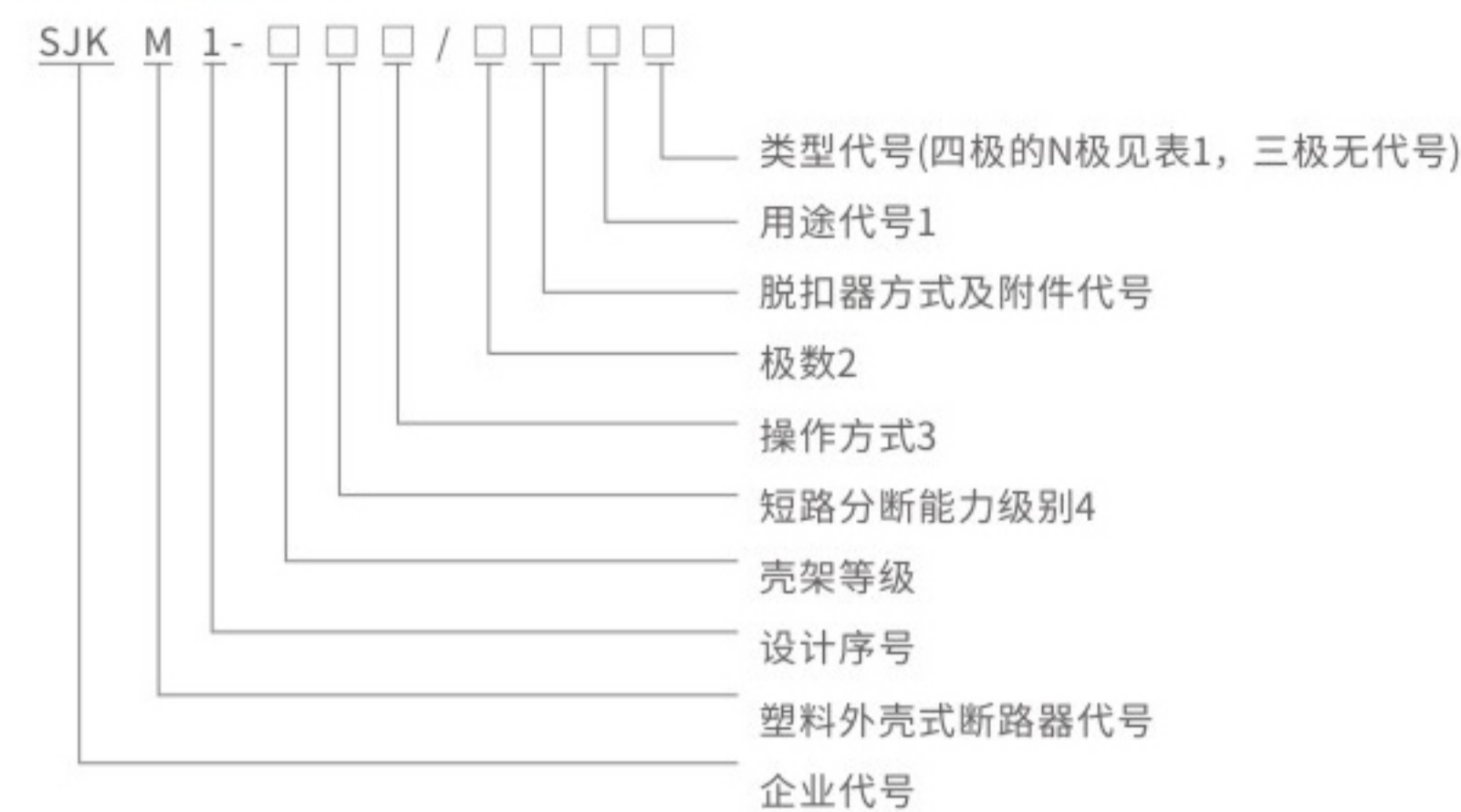


Scope of application

The SJKM1 series plastic shell circuit breaker (hereinafter referred to as the circuit breaker) is mainly used in distribution networks with AC 50Hz or (60Hz), rated insulation voltage of 800V, rated working voltage of 690V and below, and rated current of 1250A and below. It is used for distributing electrical energy and protecting lines and power equipment from overload, undervoltage, and short circuit protection. Circuit breakers with a 400A shell level or below can also be used for motor overload, undervoltage, and short circuit protection. Under normal circumstances, it can be used for infrequent switching of circuits and infrequent starting of motors

Compliant with standards: IEC60947-2, GB14048.2

型号及含义



Note: 1. Circuit breakers for power distribution have no code; The circuit breaker for protecting the motor is represented by 2

2. Polarity can be divided into two poles, three poles, and four poles

3. The handle is operated directly without a code, the motor operation is represented by D, and the rotating handle operation is represented by Z

4. Economic type is represented by C; The standard type is represented by L; Higher classification is represented by M; The high breaking type is represented by H

◆N极数类型代号

类型代号	说明
A型	N极不安装过电流脱扣元件, 且N极始终接通, 不与其他三极一起合分
B型	N极不安装过电流脱扣元件, 且N极与其他三极一起合分(N极先合后分)
C型	N极安装过电流脱扣元件, 且N极与其他三极一起合分(N极先合后分)
D型	N极安装过电流脱扣元件, 且N极始终接通, 不与其他三极一起合分

◆脱扣方式及附件代号

附件名称		不带附件	报警触头	分励脱扣器	辅助触头	欠电压脱扣器	分励脱扣器辅助触头	二组辅助触头	分励脱扣器欠电压脱扣器	辅助触头欠电压脱扣器
脱扣器	瞬时代号	200	208	210	220	230	240	250	260	270
方式	复式代号	300	208	310	320	330	340	350	360	370

接上表

附件名称		分励脱扣器报警触头	辅助触头报警触头	欠电压脱扣器报警触头	分励脱扣器辅助触头报警触头	二组辅助触头报警触头	辅助触头欠电压脱扣器报警触头
脱扣器	瞬时代号	218	228	238	248	268	278
方式	复式代号	318	328	338	348	268	378

注: 1)200表示仅有电磁脱扣的断路器本体; 300表示带有热动和电磁脱扣器的断路器本体;

2)对SJKM1-125、SJKM1-250二级产品只有210、310、220、320、230、330。

Normal working conditions and installation conditions

◆ Environmental temperature: The circuit breaker can operate normally at a controlled ambient temperature of -5 °C to +40°C (except for special orders)

◆ Altitude: The installation location of the circuit breaker should not exceed an altitude of 2000m

Pollution level: The pollution level of the circuit breaker is level 3

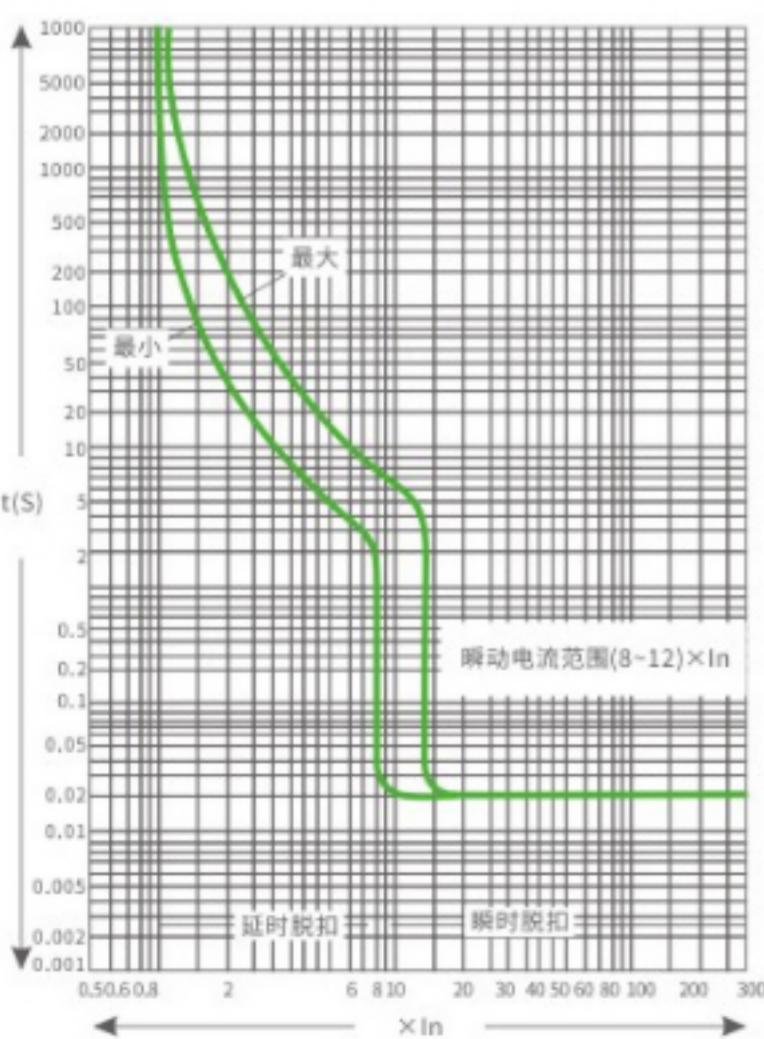
Installation category: The installation category of the circuit breaker is Class III

Installation position: The circuit breaker can be installed horizontally, vertically, or horizontally without compromising its electrical performance

主要参数及技术性能

断路器型号		SJKM1-63			SJKM1-125			SJKM1-250			SJKM1-400			SJKM1-630			SJKM1-800			SJKM1-1250					
极数		3	4		3	2	4	3	2	4	3	4	3	4	3	4	3	4	3	4					
额定电流 In A		10 16 20 25 32 40 50 63			16 20 25 32 40 50 63 80 100 125			100 125 140 160 180 200 225 250			225 250 315 350 400			400 500 630			630 700 800			800 1000 1250					
额定绝缘电压 Ui(V)		690			1000			1000			1000			1000			1000			1000					
额定冲击耐受 电压Uimp V		6000															8000								
额定工作电压 Ue V		400			AC400/690			AC400/690			AC400/690			AC400/690			AC400/690			AC400/690					
分断能力级别		L	M		L	M	H	L	M	H	L	M	H	L	M	H	H			H					
极限短路 分断能力 Icu(KA) (O-tCO)	400V	25	50		35	50	85	35	50	85	50	65	100	50	65	100	100			100					
	690V						25			25			30			30				25					
运行短路 分断能力 Ics(KA) (O-tCO-tCO)	400V	18	30		25	35	50	25	35	65	35	50	65	35	50	65	65			50					
	690V						15			15			20			20				20					
飞弧距离 mm		50			50			50			50			100			100			100					
操作循 环次数 (次)	每小时	120			120			120			60			60			20			20					
	通电流	4000			3000			1500			1000			1000			500			500					
	不通电	6000			7000			6500			4000			4000			2500			2500					
功率 损耗W	固定式	20	25	33	35	40	40	26	63	55	60	60	40	80	80	40	120	130	150	150	200	125	135	180	240
	插入式	25	30		40	50	50			65	75	75			100	110		180	200	200		170	190		300
外形尺 寸mm	长	135			150			165			257			270			280			406					
	宽		76	103	92		65	122	107		75	142	140		184	182		240	210		280	210		210	
	高	74	82	82	68		87		87		104		100		108		108		103		103		140.5	140.5	
安装尺 寸mm	a	25	50		30		60		35		70	44	88	58	118	70	140	70	140	70	140	70	140	70	
	b	117	117		129	129	129	126	126	126	126	215	215	200	200	200	243	243	243	243	243	243	375	375	
	d	3.5	3.5		4.5	4.5	4.5	5.5	5.5	5.5	5.5	6.5	6.5	7	7	7	7	7	7	7	7	7	10	10	

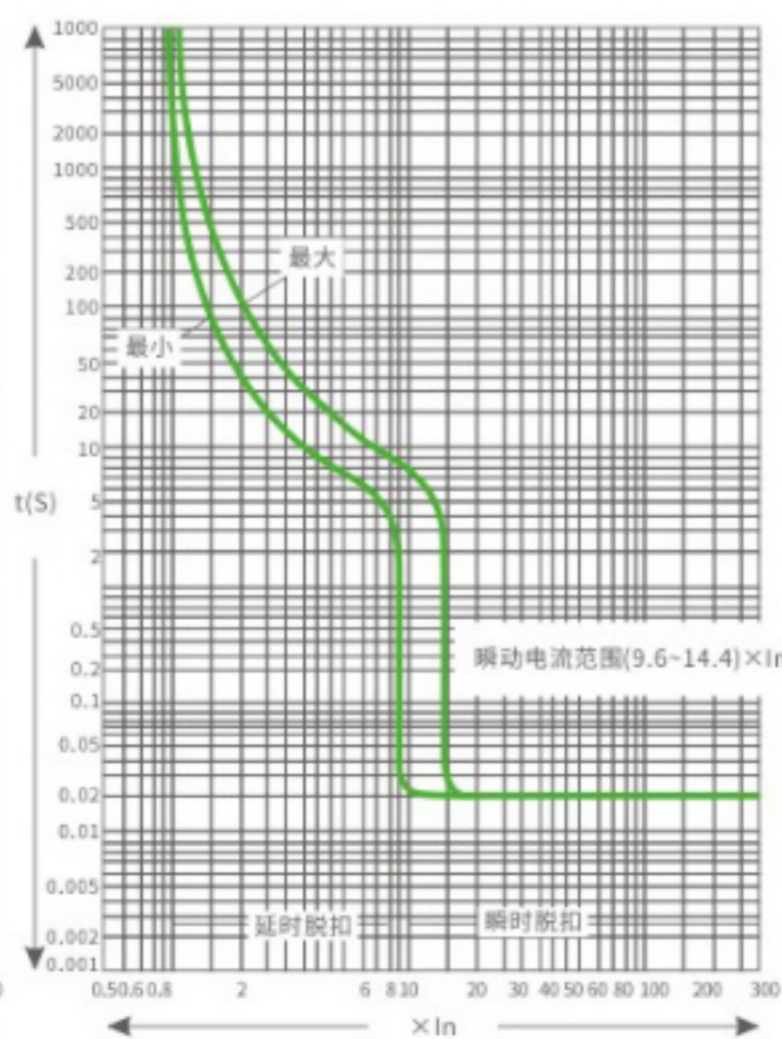
◆过电流特性曲线



配电用

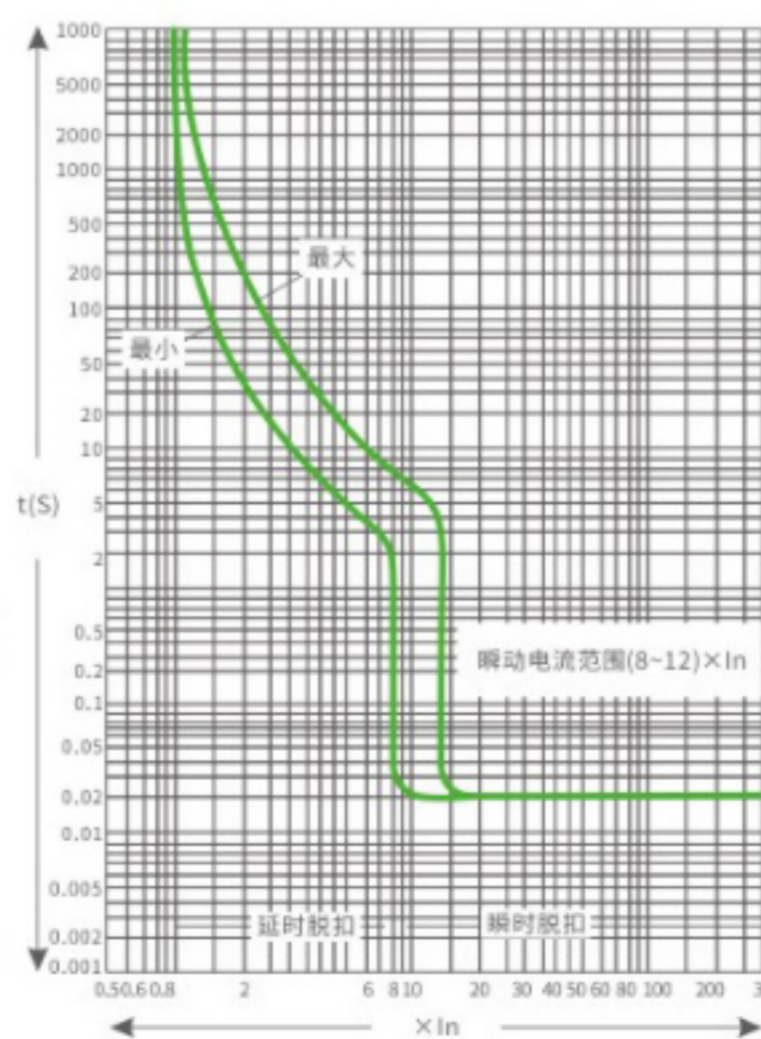
SJKM1-63 时间/电流特性曲线

◆过电流特性曲线

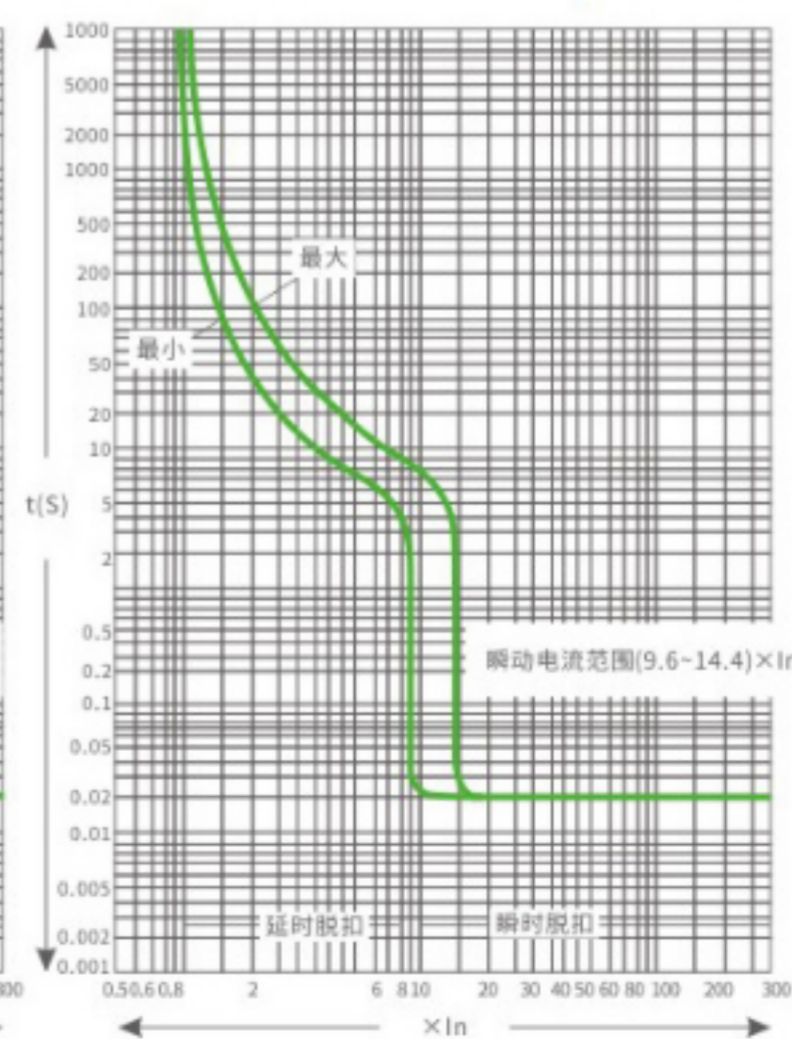


电动机保护用

SJKM1-125 时间/电流特性曲线

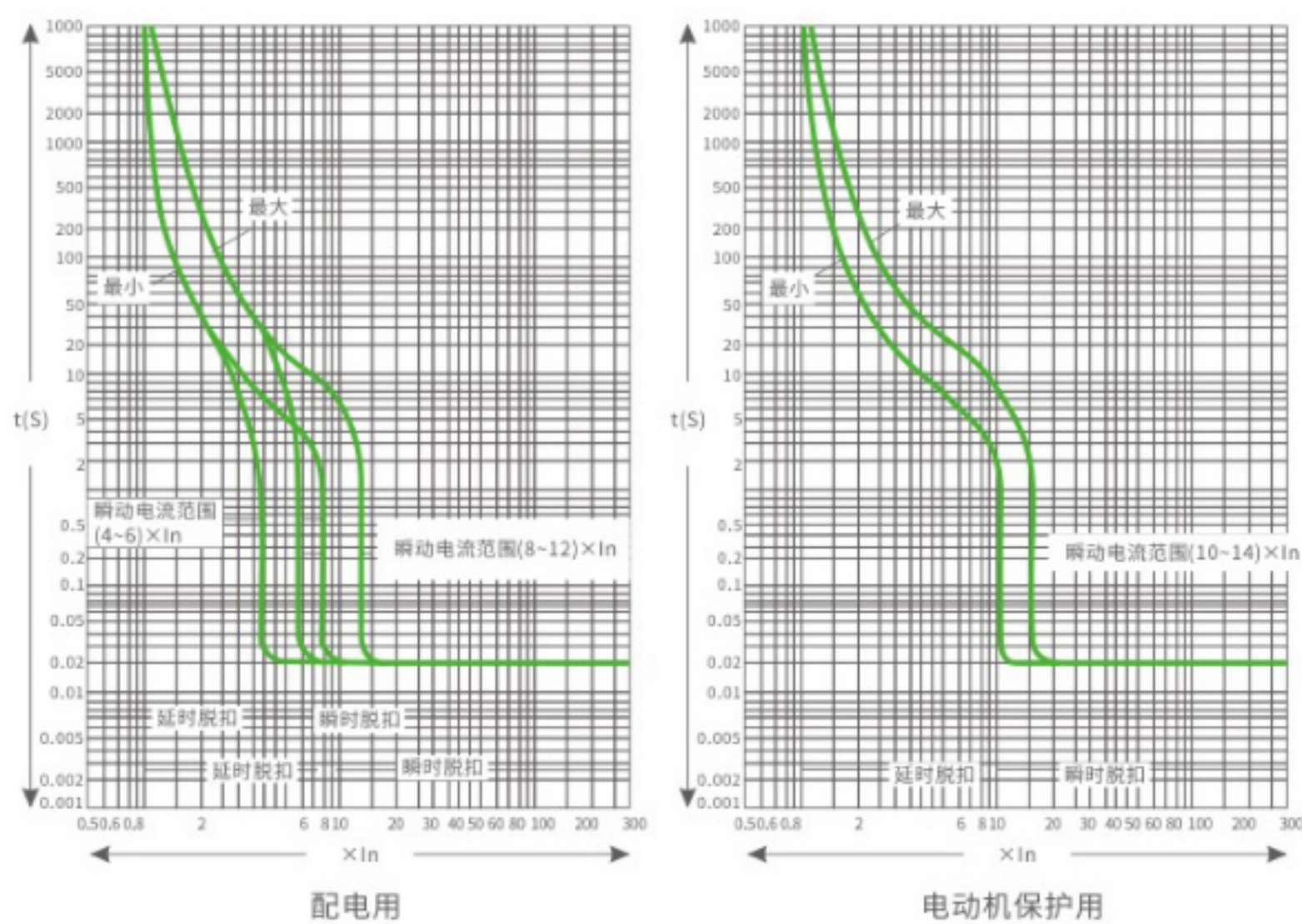


配电用



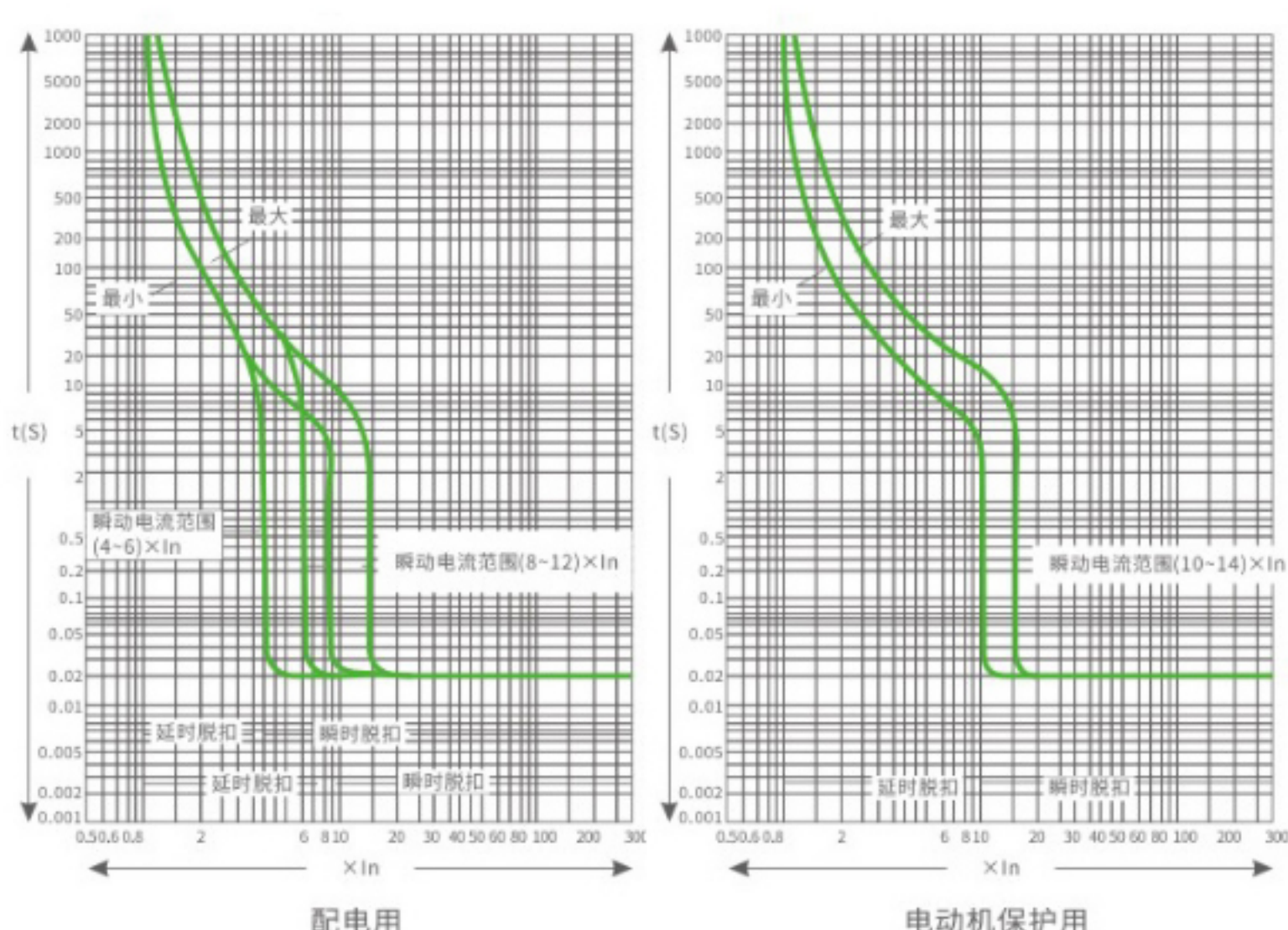
电动机保护用

◆过电流特性曲线



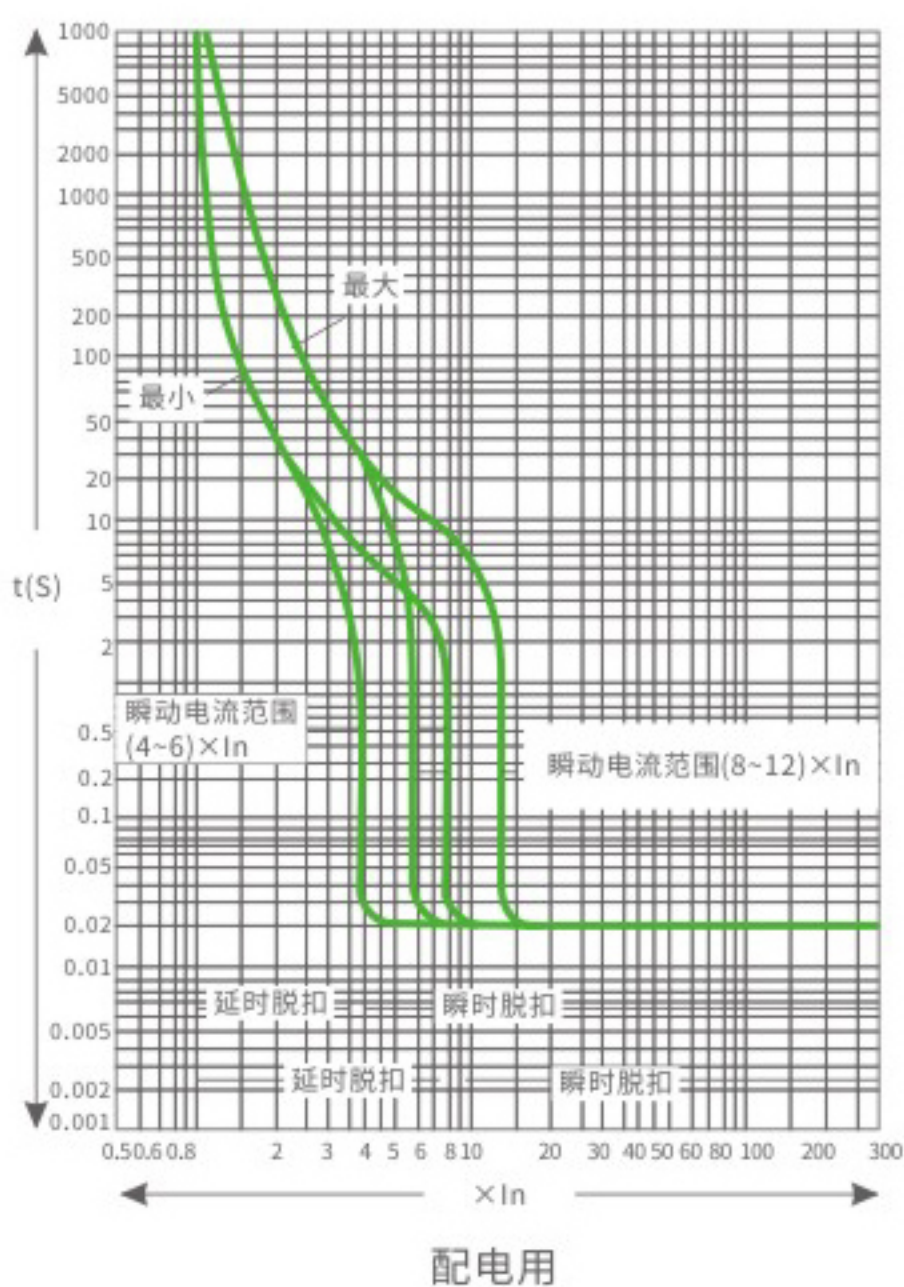
SJKM1-250 时间/电流特性曲线

◆过电流特性曲线

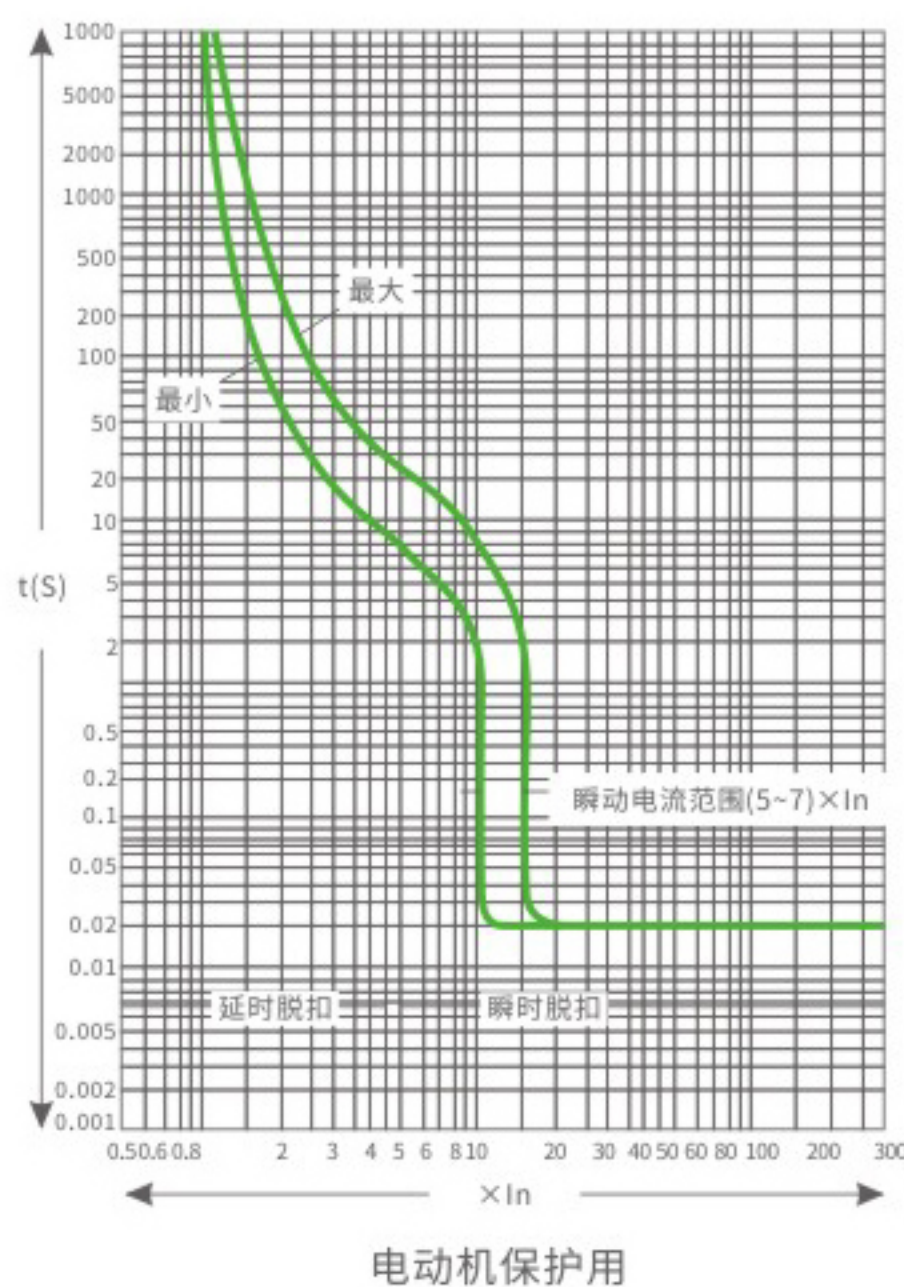


SJKM1-400 时间/电流特性曲线

◆过电流特性曲线



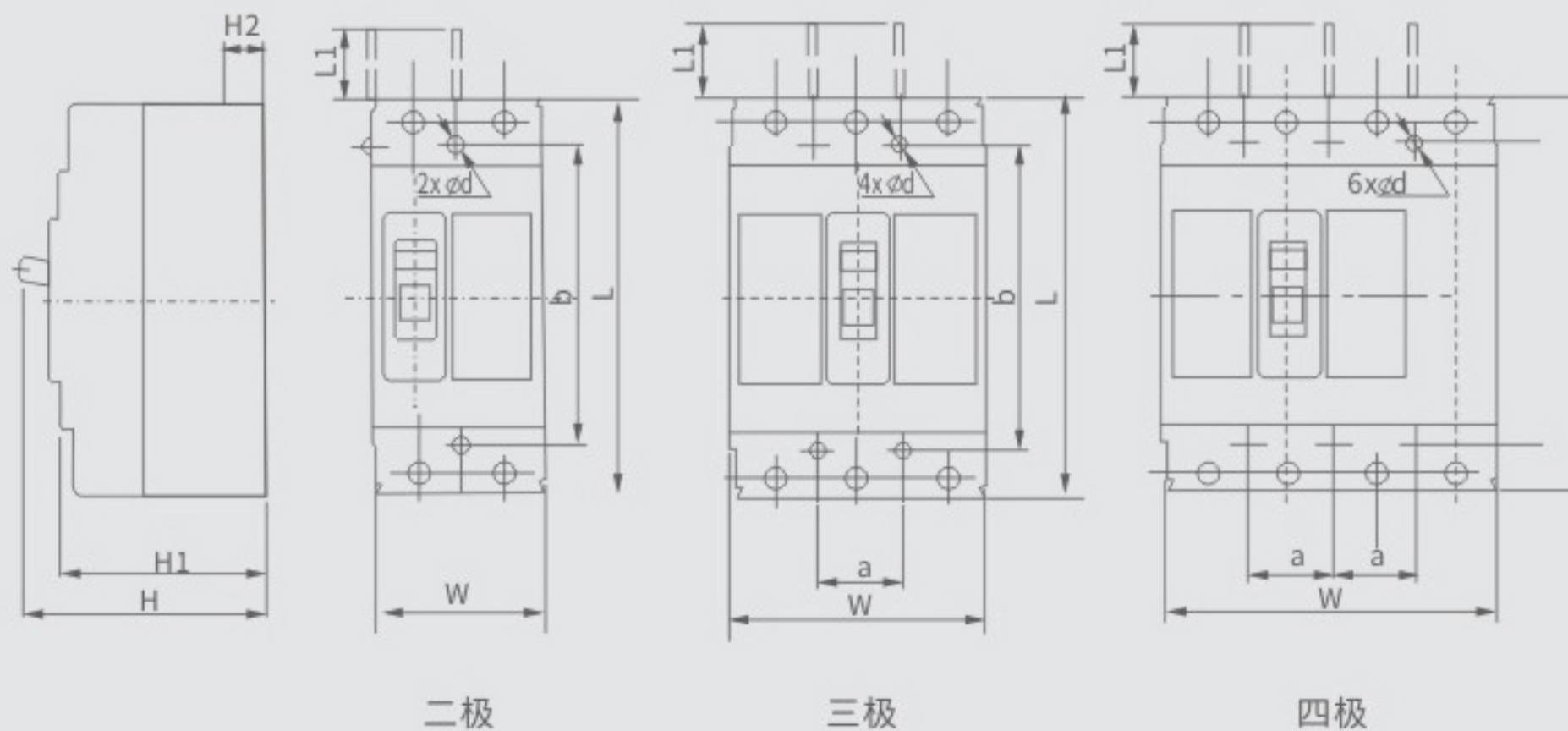
SJKM1-630 时间/电流特性曲线(配电用)

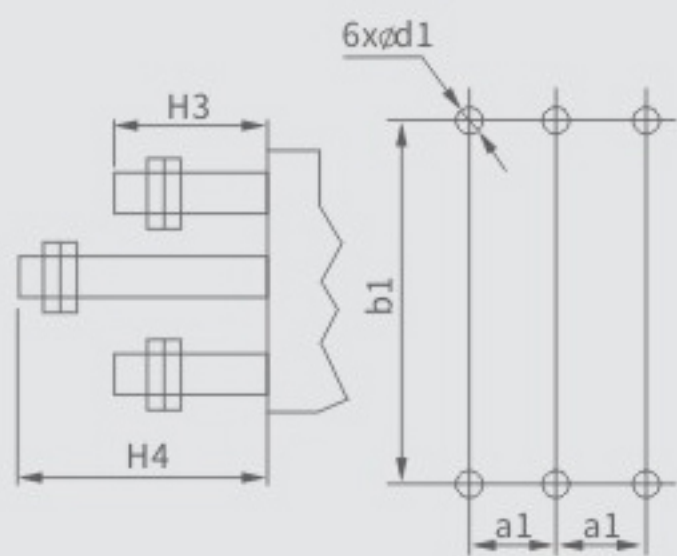


SJKM1-800
SJKM1-1250 时间/电流特性曲线(配电用)

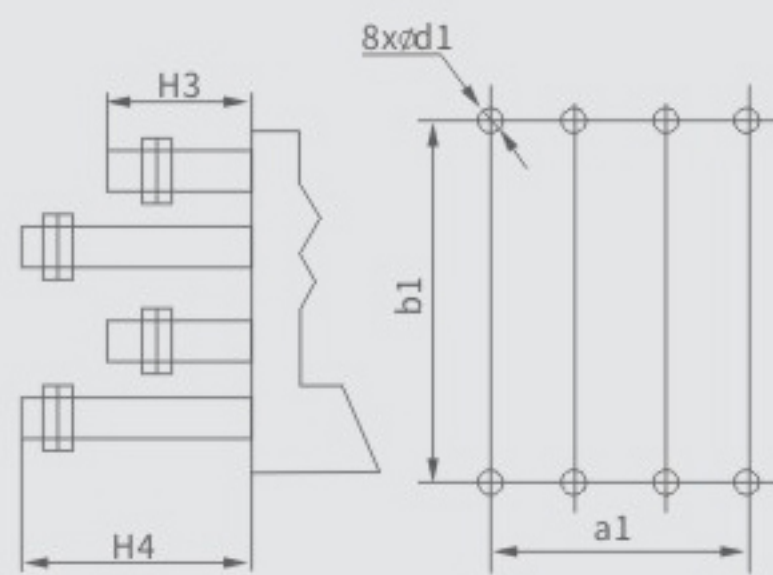
外形及安装尺寸

◆固定式板前、板后接线的外形及安装尺寸





三级的板后接线尺寸



四级的板后接线尺寸

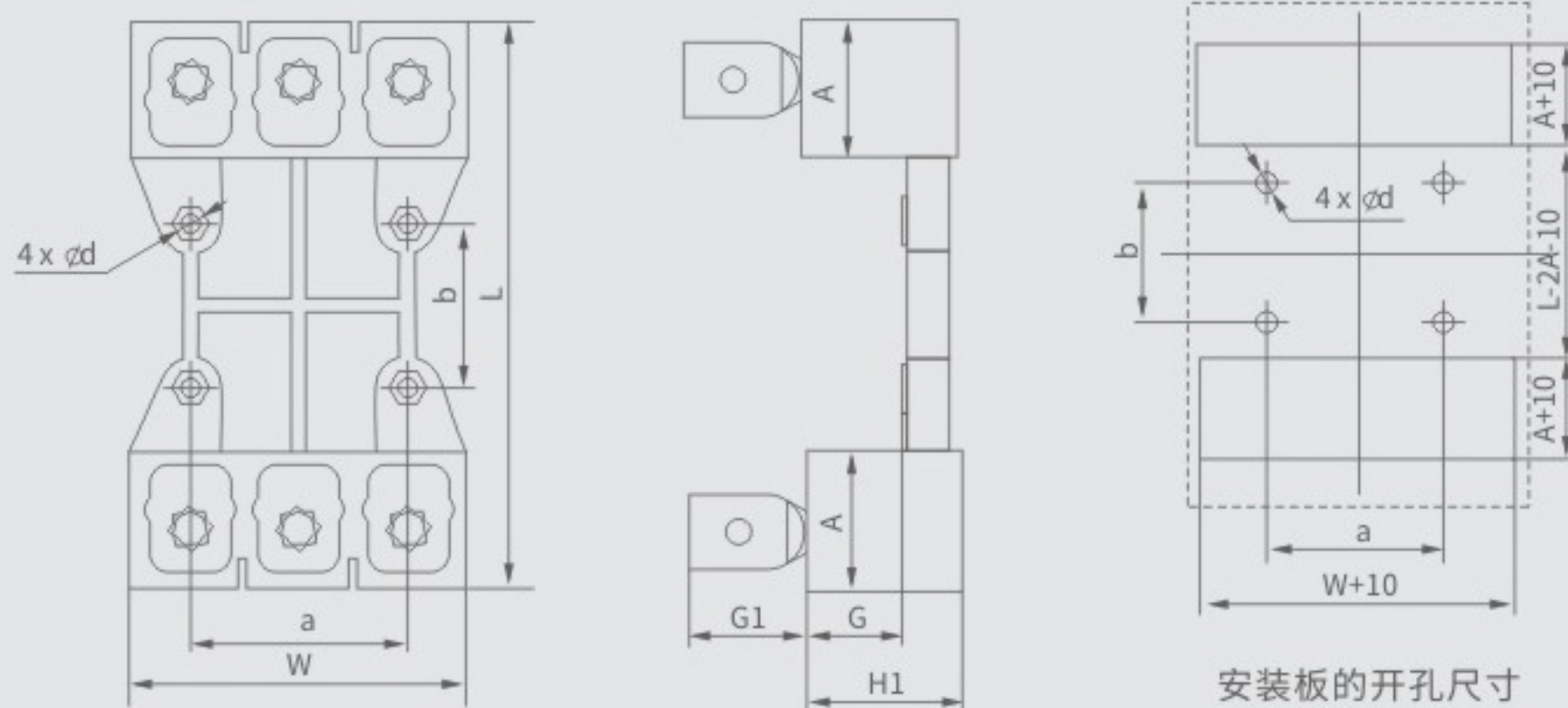
◆固定式板前板后接线的外形及安装尺寸

型号	极数	外型尺寸 mm						安装尺寸 mm			板后接线尺寸 mm				
		L	L1	W	H	H1	H2	a	b	Φd	a1	b1	d1	H3	H4
SJKM1-63L	3	135	21	76	88	72	19	25	117	4	25	117	18	52	75
SJKM1-63M					97	82	28								
SJKM1-63	4			103											
SJKM1-125L		150	51	92	86	68	24	30	129	4.5	30	132	22	65	100
SJKM1-125M	3				104	86	23								
SJKM1-125H															
SJKM1-125	2			65				--							
	4			122				30							
SJKM1-250L		165	64	107	108	87	25	35	126	5.5	35	144	24	70	110
SJKM1-250M	3	165		107	124.5	104	24.5								
SJKM1-250H															
SJKM1-250	2			75				--							
	4			142											
SJKM1-400	3	257	105	149	150	100	36.5	44	195	6.5	44	225	32	70	120
	4			198											
SJKM1-630	3	270	118	182	155	108	41	58	200	7	58	234	40	70	120
	4			240											
SJKM1-800	3	282	102	210	158	103	34.5	70	243	7	70	243	48	70	125
	4			280											
SJKM1-1250	3	406	104	210	190	140.5	58.5	70	375	10	--	--	--	--	--

手柄	H	W	中间凸出部分	L	W	H
63	17	13.5	63	44	22	5.5
125	19	13	125	51	23	5.5
250	22	12.5	250	52	23	4
400	43.5	33.5	400	89.5	65	7
630	44	33.5	630	90	65.5	7
800	40	33.5	800	105	61	5
1250	51	41	1250	100	78	16

备注：手柄高度已包含中间凸出部分高度

◆插入式板前接线的外形及安装尺寸



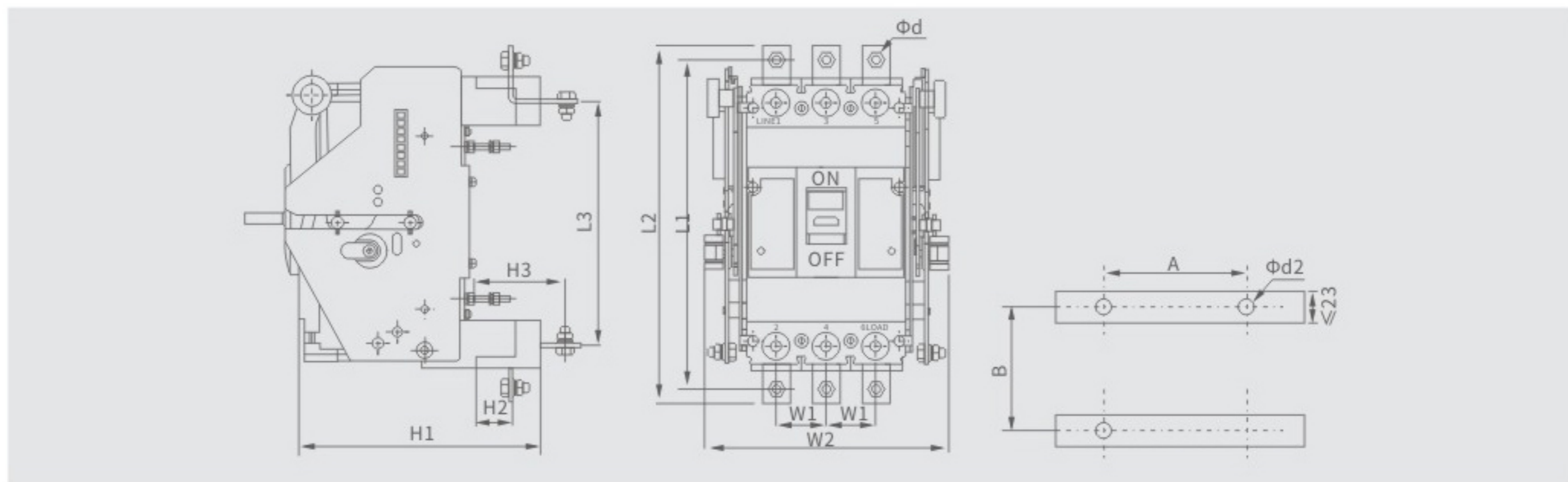
安装板的开孔尺寸

◆插入式板后接线的外形及安装尺寸

单位: mm

型号	W	L	A	H1	G	G1	a	b	d
SJKM1-63	75	135	18	28	17	15	50	60	6
SJKM1-125	92	170	38	50	33	28	60	56	6.5
SJKM1-250	107	186	46	50	33	40	70	54	7
SJKM1-400	144	280	50	60	40	48	88	143	9
SJKM1-630	182	300	65	60	40	53	100	123	9
SJKM1-800	212	298	57	100	43	129	140	143	9

◆抽出式装置的外形及安装示意图



◆抽出式装置的外形及安装尺寸

型号	极数	外形尺寸									安装尺寸		
		L1	L2	L3	H1	H2	H3	W1	W2	Φd1	A	B	Φd2
SJKM1-400/M	3P	310	339	203	253	17.5	77	48	223	Φ11	96	134	Φ6.5
	4P	310	339	203	253	17.5	77	48	271	Φ11	144	134	Φ6.5
SJKM1-630/M	3P	341	381	211	282	17.5	92	58	253	Φ13	116	140	Φ6.5
	4P	341	381	211	282	17.5	92	58	311	Φ13	174	140	Φ6.5
SJKM1-800/M	3P	367	410	241	238	26	73	70	289	Φ13	140	131	Φ6.5
	4P	367	410	241	238	26	73	70	359	Φ13	210	131	Φ6.5