

LCELE
龙 晨 电 气

选 型 指 南
Selection Guide



LCELE
龙 晨 电 气

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YueQing LongChen Electric co.,Ltd.

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乐清市龙晨电气有限公司
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企业简介 Company profile

乐清龙晨电器有限公司，地处风景秀丽的山西雁荡山度假区东海河口，地处104国道，距温州机场仅20分钟车程，海空交通十分便利，集科研、开发、制造、销售于一体股份制企业。

本公司专业生产：接触器、断路器（塑料型）、起动器、微型断路器、电动机保护器等几十种产品。如产品外观设计，风格独特，线条流畅，美观大方。连接件按标准化设计，通用性强，可配套，性能和结构达到或优于相关行业标准，产品范围广，质量稳定，部分产品完全可以替代进口产品，公司设备先进，成熟的技术拥有国内先进的检测设备，为生产产品的可靠性提供了最根本的保证。

公司自成立以来，一直采用“以人为本、诚信为本、质量为本”的先进管理模式经营理念，注重新产品的开发和高新技术的应用，产品以一流的质量和优良的售后服务享誉业界。

公司讲求诚信，获取品牌，求真务实，以优良的品质和卓越的服务，在行业异彩纷呈，发展出自己的一所学校，得到了越来越多用户的认可和信赖。欢迎各界朋友莅临索莫电器有限公司参观、指导和业务洽谈。

Yueqing Longcheng Electrical Co.Ltd, is located in the beautiful scenery of the resort of Yandang Mountain in Shanxi, the East China Sea estuary river, located in 104 countries road, only 20 minute away from Wenzhou airport by car, sea and air transportation is very convenient, a set of scientific research, development, manufacturing, sales, is one of the joint-stock enterprises.

This company is specilized in the production of : contactor, breaker (plastic type), starter, miniature circuit breaker, motor protector and other dozens of product. such as the product appearance design, unique style, smooth lines, beautiful and generous. Connecting part according to the standardization of design, strong universality, can be matched, performance and structure at or better than the relevant industry standards, product range, quality, stable performance, some products can completely replace the imported products, the company advanced equipment, mature technology has the domestic advanced detection equipment for the production Product reliability provides the most fundamental guarantee.

Since its inception, the company has adopted the advanced management mode of "people-oriented, honesty oriented, quality-oriented" business philosophy, focusing on the development of new products and the application of high-tech. Our products are well-known in the industry for their first-class quality and excellent after-sales service.

The company stresses the good faith, obtains the brand, seeks the truth to be pragmatic, by the fine quality and the outstanding service, in the profession exotic flower, develops a school of its own, has been recognized by more and more users trust. Welcome friends from all walks of life to visit SOMO Electric Co., Ltd., guidance and business negotiation.



目录 CONTENTS

交流接触器系列 AC Contactor Series	01-06
空调交流接触器系列 Air Conditioning AC Contactor	07-10
接触器辅助系列 Auxiliary Contactor	11
小型漏电断路器系列 Miniature Leakage Circuit Breaker Series	12
小型断路器系列 Miniature circuit breaker series	13-14
PG、TG断路器系列 PG、TG circuit breaker series	15-16
塑料外壳式断路器系附件 Moulded case circuit breaker accessories	17
塑料外壳式断路器系列 Moulded case circuit breaker series	18-26
负荷隔离开关系列 Load isolation switch Series	27-28
起动器系列 Magnetic Starter Series	29-30
热继电器系列 Thermal Overload Relay Series	31-32
DZ116(MS116)电动机起动器系列 DZ116(MS116) Motor Starter Series	33-34
Ic60微型断路器 IC60 Miniature Circuit Breaker	35
L7 10KA微型断路器 L7 10KA Miniature circuit breaker	36
LDPN系列小型断路器 LDPN series miniature circuit breaker	37
YID RCD漏电断路器RCCB YID RCD Earth Leakage Circuit Breaker RCCB	38
2P和4P CD剩余电流断路器RCCB RCBO 2P and 4P CD Residual Current Circuit Breaker RCCB RCBO	39
壁挂式安装三相阶梯电价预付费电能表 Wall mounted ladder Three- phase Prepayment energy meter	40

CJX2-F Series AC Contactor

适用范围 Application

CJX2-F系列交流接触器适用于交流50/60Hz、额定电压至1000V、额定电流115-800A的电路中，作远距离分断电流及频繁启动或控制电动机之用。它也用于控制额定电流200-1600A的配电电路中。

CJX2-F series AC contactor is applicable to the circuits up to the rated voltage 1000V AC 50Hz or 60Hz, rated current from 115A to 800A, for long distance breaking circuit and frequently starting or controlling the motor. It also can be used for the control of distribution circuits of rated current from 200A to 1600A.

技术参数 Specifications

型号 Type	约定发热电流 Appointed thermal Current A	额定工作电流 Rated operation Current A				可控制的三相型电动机的最大功率 The max. power of controllable 3-phase squirrel-cage motor KW				重量 Weigh KG	机械寿命 Mechanical life		AC-3电寿命 AC-3 Electric life		配用的熔断器 Rationed fuse(SCPD)	
		380V	660V	1000V		220V	380V	660V	1000V		操作频率 Operation frequency	次数 Time×10 ⁴	操作频率 Operation frequency	次数 Time×10 ⁴	型号 Model	额定电流 Rated current
CJX2-F115	200	115	65	40	KW	KW	KW	KW		3.6	1200	300	1200	120	RT16-2	250
					HPCh	HPCh	HPCh	HPCh								
					40	75	110	85								
					KW	KW	KW	KW								
CJX2-F150	220	150	80	50	40	75	100	65		3.7	1200	300	1200	120	RT16-2	355
					HPCh	HPCh	HPCh	HPCh								
					53	100	136	85								
					KW	KW	KW	KW								
CJX2-F185	275	185	95	65	55	90	110	100		4.6	600	300	600	60	RT16-3	425
					HPCh	HPCh	HPCh	HPCh								
					75	125	150	135								
					KW	KW	KW	KW								
CJX2-F225	315	225	115	80	68	110	129	100		4.7	600	300	600	60	RT16-3	500
					HPCh	HPCh	HPCh	HPCh								
					90	150	175	136								
					KW	KW	KW	KW								
CJX2-F265	350	265	150	95	75	132	160	147		7.1	600	100	300	60	RT16-3	630
					HPCh	HPCh	HPCh	HPCh								
					100	180	220	200								
					KW	KW	KW	KW								
CJX2-F330	400	330	185	115	100	165	220	160		8.5	600	100	300	60	RT16-4	800
					HPCh	HPCh	HPCh	HPCh								
					135	221	300	220								
					KW	KW	KW	KW								
CJX2-F400	500	400	225	150	115	200	280	185		8.5	600	100	300	60	RT16-4	800
					HPCh	HPCh	HPCh	HPCh								
					155	270	380	250								
					KW	KW	KW	KW								
CJX2-F500	700	500	265	185	147	250	335	335		10.8	600	100	300	60	RT16-4	1000
					HPCh	HPCh	HPCh	HPCh								
					200	340	450	450								
					KW	KW	KW	KW								
CJX2-F630	1000	630	330	225	200	335	450	425		17.4	600	100	300	60	RT16	1250
					HPCh	HPCh	HPCh	HPCh								
					270	450	610	570								
					KW	KW	KW	KW								
CJX2-F780	1500	780	450	300	220	400	475	450		40	300	100	300	60	RT16	1600
					HPCh	HPCh	HPCh	HPCh								
					300	540	635	605								



CJX2-F7804 (LC1-F7804)

CJX2-D Series AC Contactor

适用范围 Application

CJX2-D系列交流接触器(以下简称接触器)适用于交流50Hz或60Hz、电压至660V、电流至95A的电路中，供远距离接通与分断电路及频繁启动、控制交流电动机，接触器还可组装成积木式辅助触头组、空气延时头、机械联锁机构等部件组成延时接触器、可逆接触器、星三角启动器，并且还可以和热继电器直接插接安装组成电磁启动器。

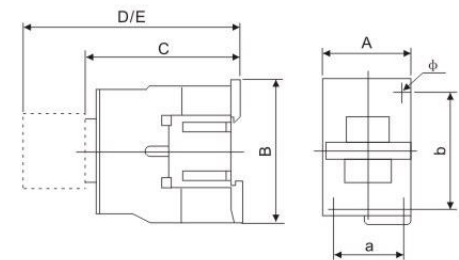
CJX2-D series AC contactor is suitable for using in the circuits up to the rated voltage 660V AC 50Hz or 60Hz, rated current up to 660A, for making, breaking, frequently starting & controlling the AC motor. combined with the auxiliary contact block, timer delay & machine-interlocking device etc, it becomes the delay contactor, mechanical interlocking contactor, star-edlta starter. with the thermal relay, it is combined into the electromagnetic starter

技术参数 Specifications

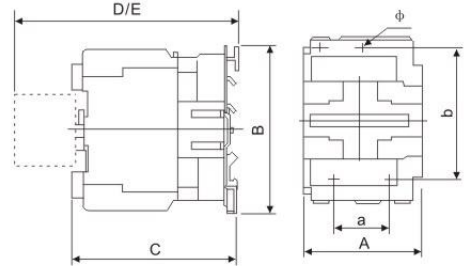
型号Type		D09	D12	D18	D25	D32	D40	D50	D65	D80	D95
额定工作电流 Rated working current(A)	AC3	9	12	18	25	32	40	50	65	80	95
	AC1	3.5	5	7.7	8.5	12	18.5	24	28	37	44
三相鼠参型电动机 AC-3级 AC3 capacity of phase 3 squirrel-cage motor AC3(KW)	220/230V	2.2	3	4	5.5	7.5	11	15	18.5	22	25
	380/400V	4	5.5	7.5	11	15	18.5	22	30	37	45
	415V	4	5.5	9	11	15	22	25	37	45	45
	500V	5.5	7.5	10	15	18.5	22	30	37	55	55
	660/690V	5.5	7.5	10	15	18.5	30	33	37	45	55
额定发热电流Rated heat current(A)		20	25	32	40	50	60	70	80	125	125
电气寿命Electrocal life	Ac3×10 ⁺	100	100	100	100	80	80	60	60	60	60
	AC4×10 ⁺	20	20	20	20	20	15	15	15	10	10
机械寿命Mech anical life×10 ⁺		1000	1000	1000	1000	800	800	800	800	600	600
触头型号Number of the contacts		3P+NO					3P+NC+NO				
		3P+NO									

安装与外型尺寸图 Dimension & Mounting Size

用于 CJX2-D09~95接触器：For JVC1-D09~95 contactors:								
型号Type	A	B	C	D	E	a	b	Φ
CJX2-D09~12	47	76	82	11	133	34/35	50/60	4.5
CJX2-D18	47	76	87	118	138	34/35	50/60	4.5
CJX2-D25	57	86	95	126	146	40	48	4.5
CJX2-D32	57	86	100	131	151	40	48	4.5
CJX2-D40~65	77	129	116	145	165	40	100/110	6.5
CJX2-D80~95	87	129	127	175	195	40	100/110	6.5



CJX2-D09~32



CJX2-D40~95



CJX2-D09, 12, 18, 25, 32
(LC1-D09, 12, 18, 25, 32)



CJX2-D40, 50, 65, 80, 95
(LC1-D40, 50, 65, 80, 95)



新型CJX2-D09, 12, 18, 25, 32
New(LC1-D09, 12, 18, 25, 32)



新型CJX2-D40, 50, 65, 80, 95
New(LC1-D40, 50, 65, 80, 95)

CJX2-D(XLC1-D) Series Ac Contactor

■ 技术参数 Specifications

型号 Type			CJX2-D115	CJX2-D150
额定电流 Rated current AC3 Ue< 440V		A	115	150
额定发热电流 Rated heating current Ac10 ≤40℃		A	200	250
额定功率 Rated power Ac3 3相电机 Three-phase motor 0≤Auxiliary contactor block (Recommend to use)	220/240V	KW	30	40
	380/400V	KW	55	75
	400V	KW	59	80
	500V	KW	75	90
	600/690V	KW	80	100
额定功率 Rated power Ac4 3相电机 Three-phase motor 0<40	200/230V	KW	9	11
	380V/400V	KW	18.5	22
	440V	KW	18.5	22
	500V	KW	30	37
重量 Weight		Kg	2.25	2.25
体积 Volume L×W×H		mm ³	132×120×158	132×120×158
电源连接导线截面 Section of power connecting wire		mm ²	120	120
安装Installment 螺钉Bott HXL-φ 导轨 导轨数X轨中心距 Guiding rail Number of guiding rail Xwidth of rail X Rail center distance		mm	130×(95-110)-6.5 2×35×100	130×(95-110)-6.5 2×35×100
参考型号Reference model			LC1-D115	LC1-D150
控制 Control 电路 Circuit 电压 Voltage	AC 50HZ	V	24(B5)	42(D5) 48(E5)
	AC 60HZ	V	24(B6)	42(D6) 48(E6)
	AC 50/60HZ	V	24(B7)	42(D7) 48(E7)
	DC	V	24(BD)	48(ED) 60(ND)
辅助触头 (推荐使用) Auxiliary contactor block (Recommend to use)	辅助瞬时触头组 一触头 Auxiliary instantaneous contactor block,contactor 1		辅助瞬时触头组二触头 Auxiliary instantaneous contactor block,contactor H	
	LA1-DN10C LA1-DN01C		LA1-DN11C LA1-DN20C LA1-DN02C	



CJX2-D115
(LC1-D115)



CJX2-D205
(LC1-D205)



CJX2-D245
(LC1-D245)



CJX2-D410
(LC1-D410)

可逆接触器 热过载继电器
Reversible Thermal overload
contactor relay

浪涌抑制模块
Surge inhibiting
module

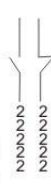
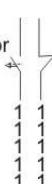
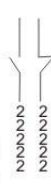
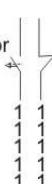
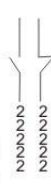
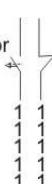
侧装辅助模块 Side-mounted auxiliary module

2组瞬时接点、不增加箱体高度、接触器及控制继电器，
正面尚可加其他模块、适用D170以下的接触器及控制
继电器。

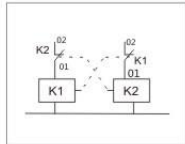
Add 2 instantaneous contact sets extra. Not
increase the height of cabinet. Other modules can be
added on the frontal of controlling relay Applicable for
the contaetor and controlling relay below D170.

CJX2-D(XLC1-D) Series Ac Contactor

■ 技术参数 Specifications

CJX2-D170	CJX2-D205	CJX2-D245	CJX2-D300	CJX2-D410	CJX2-D475	CJX2-D620							
170	205	245	300	410	475	620							
250	275	315	400	500	700	1000							
55	63	75	100	110	147	200							
90	110	132	160	220	265	335							
100	110	132	200	250	280	400							
110	120	160	200	250	335	400							
110	129	160	220	280	355	450							
100	100	147	160	185	335	450							
22	25	30	37	40	45	55							
40	45	55	63	75	80	100							
45	51	63	75	80	100	110							
51	59	75	80	90	110	132							
2.25	4.6	4.7	8.2	8.5	10.8	17.4							
132×120×158	168.5×174×181	168.5×197×181	213×206×219	213×206×219	232×238×233	309×304×255							
120	150/2□25×3	185/2□25×4	240/2□25×5	2×150/2□30×5	2×200/2□40×5	2□40×8/2□60×5							
130×(95-110)-6.5 2×35×100	(106-120)×80-6.5	(106-120)×96-6.5	(106-120)×96-6.5	180×80(66-102)-8.5	180×80(66-102)-8.5	180×180(100-195)-10.5							
CJX2-D170	CJX2-D205	CJX2-D245	CJX2-D300	CJX2-D410	CJX2-D475	CJX2-D620							
110(E5)	220(M5)	240(U5)	400(V5)	440(R5)									
110(E6)	220(M6)	240(U6)	400(V7)	440(R6)									
110(E7)	220(M7)	240(U7)		440(R7)	500(S5)	600(Y5)							
72(ND)	110(FD)	240(GD)	250(UD)	440(RD)									
<table><tr><td></td><td>辅助瞬时触头组 四触头 Auxiliary instantaneous contactor block,contactor V LA1-DN40C LA1-DN31C LA1-DN13C LA1-DN22C LA1-DN04C</td><td></td><td>时间延时辅助触头组吸合延时 Time delay auxiliary contactor block making and delay S 0.1...3S LA2-DT0 0.1...30S LA2-DT2 10...180S LA2-DT4 1...3S LA2-DS2</td><td></td><td>时间延时辅助触头组释放延时 Time delay auxiliary contactor block releasing and delay S 0.1...3S LA3-DR0 0.1...30S LA3-DR2 10...180S LA3-DR4</td><td></td></tr></table>								辅助瞬时触头组 四触头 Auxiliary instantaneous contactor block,contactor V LA1-DN40C LA1-DN31C LA1-DN13C LA1-DN22C LA1-DN04C		时间延时辅助触头组吸合延时 Time delay auxiliary contactor block making and delay S 0.1...3S LA2-DT0 0.1...30S LA2-DT2 10...180S LA2-DT4 1...3S LA2-DS2		时间延时辅助触头组释放延时 Time delay auxiliary contactor block releasing and delay S 0.1...3S LA3-DR0 0.1...30S LA3-DR2 10...180S LA3-DR4	
	辅助瞬时触头组 四触头 Auxiliary instantaneous contactor block,contactor V LA1-DN40C LA1-DN31C LA1-DN13C LA1-DN22C LA1-DN04C		时间延时辅助触头组吸合延时 Time delay auxiliary contactor block making and delay S 0.1...3S LA2-DT0 0.1...30S LA2-DT2 10...180S LA2-DT4 1...3S LA2-DS2		时间延时辅助触头组释放延时 Time delay auxiliary contactor block releasing and delay S 0.1...3S LA3-DR0 0.1...30S LA3-DR2 10...180S LA3-DR4								

机械连锁模块Mechanical interlocking module设计精巧，
含二组NC接点可作机械及电气连锁无必要外加NC接点
作电气连锁。适用D170以下的接触器及控制继电器。
Its design is rather ingenious and contains 2 NC
contact sets which can be used as mechanical and
electric interlock,so it is unnecessary to addother
interlocks extra.Applicable for the contactor andcontro
lling relay below D170



LA9-D..02 09 -配LC1-D09-D38
LC1-D06N-D25N 40-配LC1-D40
-D95 115-配LC1-D115-D170
09 equipped with LC1-D09-D38
LC1-D06N-D25 40 equipped with
LC1-D40-D95 115 equipped with
LC1-D115-D170



新型 CJX2-D115



新型 CJX2-D150



新型 CJX2-D170



MC-09/22



MC-75/85



JMC-32、40



JMC-100、125、150

MC/JMC Series AC Contactor

■ 适用范围 Application

MC/JMC(GMC)交流接触器适用于交流50Hz或60Hz、电压至660V、电流至95A的电路中，供远距离接通与分断电路及频繁启动、控制交流电动机之用。接触器械还可组装成积木辅助触头组、空空延时头、机械联锁机械等附件，组成延时接触器、可逆接触器、星三角起动器，并且可以和热继电器直接插接安装，组成电磁起动器。

产品符合IEC60947-4标准。

MC/JMC(GMC)series AC Contactor is suitable for using in the circuits up to the rated voltage 660VAC 50Hz or 60Hz, rated current up to 95A, for making, breaking, frequently starting & machine-interlocking device etc, it becomes the delay contactor, mechanical inter-losing contactor, star-delta starter. with the thermal overload relay, it is combined into the electromagnetic starter.

The contactor is produced according to IEC60947-4.

■ 技术参数 Specifications

型号 Type	AC1 使用类别 Ac1 duty	AC3使用类别AC3 duty				寿命Life time(×10 ⁴)		辅助触头 Aux.contact
		200-240V	380-440V	500-550V	690V	电气 Electrical	机械 Mechanica	
JMC-9	20A	2.5kW 11A	5kW 9A	4kW 7A	4kW 5A	250	2500	1NO 1NC
JMC-12	20A	3.5kW 13A	5.5kW 12A	7.5kW 9A	7.5kW 9A	250	2500	
JMC-18	25A	4.5kW 18A	7.5kW 18A	7.5kW 13A	7.5kW 9A	250	2500	
JMC-22	32A	5.5kW 22A	11kW 22A	15kW 22A	15kW 18A	250	2500	
JMC-32	50A	7.5kW 32A	15kW 32A	18.5kW 28A	18.5kW 21A	200	1500	2NO 2NC
JMC-40	60A	11kW 40A	18.5kW 40A	22kW 32A	22kW 25A	200	1500	
JMC-50	80A	15kW 55A	22kW 50A	30kW 43A	30kW 33A	200	1000	
JMC-65	100A	18kW 65A	30kW 65A	37kW 60A	37kW 47A	200	1000	
JMC-75	110A	22kW 75A	37kW 75A	45kW 64A	45kW 47A	200	1000	
JMC-85	135A	25kW 85A	45kW 85A	45kW 75A	45kW 52A	200	1000	
JMC-100	150A	30kW 105A	55kW 105A	55kW 85A	55kW 65A	200	1000	
JMC-125	150A	37kW 125A	60kW 120A	60kW 90A	60kW 70A	200	1000	
JMC-150	200A	40kW 150A	75kW	80kW 100A	90kW 80A	200	1000	

CJX2-K(LC1-K) Series AC Contactors

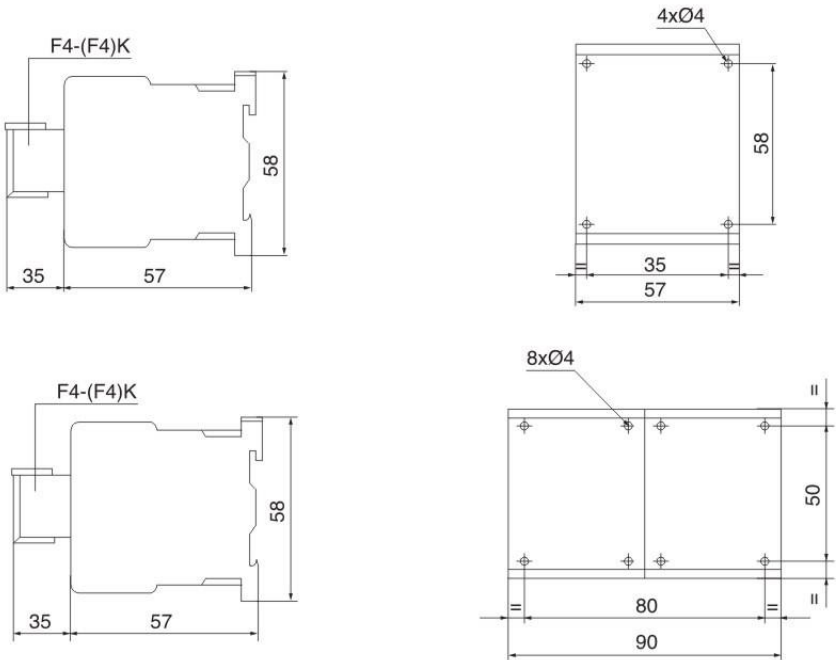
■ 适用范围 Application

CJX2-K系列交流接触器适用于电路和频繁的启动速度，控制交流电动机。增加接触器辅助触点组，生活与适当的热继电器，可以采取行动保护电路过载。它符合IEC60947-4-1。
CJX2-K series AC contactor is suitable for use in the circuit up to the rate and frequent starting, controlling the AC motor. The addition of auxiliary contact group to the contactor, combined with the proper thermal relay, can act to protect the circuit bound to overload. It conforms to IEC60947-4-1.

■ 主要技术参数 Main technical parameters

型号 Type			CJX2-K06	CJX2-K09	CJX2-K12
额定工作电压 Rating working voltage(V)			660(690)		
额定工作电流 Rating working current(A)	380V	AC-3	6	9	12
		AC-4	2.6	3.5	5
加热电流 Appointed heating current(A)			16	20	20
最大电流 The max current when turn on(A)	380V	60	90	120	
	660V	72	108	144	
关掉的最大电流 The max current for turn off(A)	380V	48	72	96	
	660V	60	90	120	
三个阶段笼电机功率 Three phases cage motors power which can be pulled AC3(kW)	220v	1.5	2.2	3	
	380v	2.2	4	5.5	
	660v	3	4	4	
操作频率 Operation frequency (time/hour)	电气寿命 Electrical life (x10 ⁴)	AC-3	1200		
		AC-4	300		
电气寿命 Electrical life	AC-3		5x10 ⁶		
	AC-4		1x10 ⁶		
机械寿命 Mechanical life			3x10 ⁵		

■ 外形及安装尺寸 Outline and Mounting Dimension



CJX2-K06, 09, 12



CJX2-K06, 09, 12N



新款LCC2-30/2



新款LCC2-30/3



新款LCC2-40/3

20-40 FLA 交流接触器AC AIR CONDITIONING CONTACTOR

■ 技术参数 Specifications

线圈参数 Coil Rating	一极接触器 1 Pole Contactors				二极接触器 2 Pole Contactors			
线圈电压 Nominal Coil Voltage	24	120	208/240	277	24	120	208/240	277
线圈电阻 Nominal Coil Resistance Ohms	18	420	1800	2500	11	237	1000	1600
吸合电压 Maximum Pick Up Voltage	18	88	177	221	18	88	177	221
释放电压 Minimum Drop Out Voltage	6-15	20-70	40-140	50-165	6-15	20-70	40-140	50-165
吸动功耗@50Hz Nominal Inrush VA@50Hz	31	31	31	31	33	33	33	33
吸动功耗@60Hz Nominal Inrush VA@60Hz	28	28	28	28	30	30	30	30
保持功耗@50Hz Nominal Sealed VA @50Hz	6	6	6	6	8	8	8	8
保持功耗@60Hz Nominal Sealed VA @60Hz	5	5	5	5	6.5	6.5	6.5	6.5
最大线圈电压 Maximum Coil Voltage	30	132	264	300	30	132	264	300

20-40 FLA

触点电参数 Electrical Rating

满载电流 (FLA) Full Load Amps	阻性负载电流 (A) Resistive Amps @ 600 VAC	堵转电流 (A) Locked Rotor Amps @ 240/277 VAC	堵转电流 (A) Locked Rotor Amps @ 480 VAC	堵转电流 (A) Locked Rotor Amps @ 600VAC	最大马力 (HP) Maximum Horsepower	
					电压Voltage	单相Single Phase
一极接触器 1 Pole Contactors						
20	30	120	100	80	120 140	1 2
25	35	125	125	100	120 240	1 2
30	40	125	125	100	120 240	1 2
40	50	160	160	120	120 240	2 3
二极接触器 2 Pole Contactors						
20	30	100	100	80	120 240	2 3
25	35	125	125	100	120 240	2 3
30	40	125	125	100	120 240	2 3
40	50	160	160	120	120 240	2 3

20-40 FLA 交流接触器AC AIR CONDITIONING CONTACTOR

■ 适用范围 Application

- ◆一极常开带或不带汇流条
- ◆二极常开
- ◆重载银镉合金触点
- ◆1 Pole No with or without shunt
- ◆2 Pole No
- ◆Silver Cadmium Oxide Contacts

■ 技术参数 Specifications

电流 Fla Rating	极数 Number Of Poles	24V线圈 24V Coil	120V线圈 120V Coil	208/240V线圈 208/240V Coil	277V线圈 277V Coil
20FLA	1	LCC2- 1XQ00AA	LCC2- 1XT00AA	LCC2- 1XU00AA	LCC2- 1XV00AA
	2	LCC2- 2XQ00AA	LCC2- 2XT00AA	LCC2- 2XU00AA	LCC2- 2XV00AA
25FLA	1	LCC2- 1XQ01AA	LCC2- 1XT01AA	LCC2- 1XU01AA	LCC2- 1XV01AA
	2	LCC2- 2XQ01AA	LCC2- 2XT01AA	LCC2- 2XU01AA	LCC2- 2XV01AA
30FLA	1	LCC2- 1XQ02AA	LCC2- 1XT02AA	LCC2- 1XU02AA	LCC2- 1XV02AA
	2	LCC2- 2XQ02AA	LCC2- 2XT02AA	LCC2- 2XU02AA	LCC2- 2XV02AA
40FLA	1	LCC2- 1XQ04GG	LCC2- 1XT04GG	LCC2- 1XU04GG	LCC2- 1XV04GG
	2	LCC2- 2XQ04GG	LCC2- 2XT04GG	LCC2- 2XU04GG	LCC2- 2XV04GG

一极、二极接触器型号编码Partial Listing of Available 1&2 Pole Contactors

绝缘强度 触点和线圈之间: 2,200VAC 极之间: 2,200VAC(包括汇流条) 开触点之间: 2,200VAC(不包括汇流条)	端子形式 #10-32螺钉或压线盒
灭弧盖 20-30FLA可选 40FLA以上标配	接线尺寸 #10-32螺钉 16-8* 压线盒 14-4 *必须使用环形端子
绝缘材料 130°C Class B	推荐的锁紧扭力 #10-32螺钉 2.49N.m 压线盒 4.52N.m
温度范围 -40°C to +65°C -40°F to +150°F	快接端子 线圈端子 双250' 插片 主回路端子 一极: 四个250' 插片 二极: 两个或四个250' 插片
重量 一极 0.20kg 二极 0.28kg	POWER POLE TERMINATIONS #10-32 screw or box lug
INITIAL DIELECTRIC STRENGTH Between Contacts and Coils: 2,200VAC Between Poles: 2,200VAC(Includes shunt) Between Open Contacts: 2,200VAC(no shunt)	WIRE SIZE #10-32 screw 16-8* Box lug 14-4 *must use ring terminal
ARC COVER Optional on 20-30 FLA Standard on 40 FLA	RECOMMENDED TIGHTENING TORQUE #10-32 screw 22in.lbs Box lug 40in.lbs
INSULATION SYSTEM 130 °C Class B	QUICK CONNECTS Coil terminals Dual:250' QC Power terminals 1 Pole: Quad.250'QC 2 Pole: Dual or Quad.250'QC
TEMPERATURE PANGE -40°C to +65°C -40°C F to +150°C F	
UNIT WEIGHT 1 Pole .5lb 2 Pole .6lb	



LCC2-30/1



LCC2-30/1



LCC2-30/2



LCC2-30/3



LCC2-40/4

50-90 FLA 空调交流接触器 AIR CONDITIONING AC CONTACTOR

■ 技术参数 Specifications

线圈参数 Coil Rating		50-60 FLA接触器 50-60 FLA Pole Contactors				75-90 FLA接触器 75-90 FLA Pole Contactors			
线圈电压	Nominal Coil Voltage	24	120	208/240	277	24	120	208/240	277
线圈电阻	Nominal Coil Rosistance Ohms	2.4	45	180	280	65	16	64	85
吸合电压	Maximum Pick Up Voltage	18	93	177	235	18	88	177	220
释放电压	Minimum Drop Out Voltage	6-15	20-70	40-140	50-185	6-15	20-70	40-110	65-185
吸动功耗@50Hz	Nominal Inrush VA@50Hz	138	138	138	138	285	285	285	285
吸动功耗@60Hz	Nominal Inrush VA@60Hz	130	130	130	130	240	240	240	240
保持功耗@50Hz	Nominal Sealed VA @50Hz	18	18	18	18	42	42	42	42
保持功耗@60Hz	Nominal Sealed VA @60Hz	13	13	13	13	27	27	27	27
最大线圈电压	Maximum Coil Voltage	30	132	264	300	30	132	264	300

50-90 FLA
触点电参数 Electrical Rating

满载电流 (FLA) Full Load Amps	阻性负载电流 (A) Resistive Amps @ 600 VAC	堵转电流 (A) Locked Rotor Amps @ 240/ 277 VAC	堵转电流 (A) Locked Rotor Amps @ 480 VAC	堵转电流 (A) Locked Rotor Amps @ 600VAC	最大马力 (HP) Maximum Horsepower		三相 Three Phase
					电压Voltage	单相 Single Phase	
三极接触器 3 Pole Contactors							
50	65	300	250	200	110/220 200/208 220-240 480 600 —	3 7.5 10 — —	— 15 15 25 25
60	75	360	300	240	110/220 200/208 220-240 480 600 —	5 10 15 — —	— 25 25 30 30
75	90	450	375	300	110/220 200/208 220-240 480 600 —	5 10 15 — —	— 20 25 40 40
90	120	540	450	360	110/220 200/208 220-240 480 600 —	7.5 15 20 — —	— 25 30 50 50

50-90 FLA 空调交流接触器 AIR CONDITIONING AC CONTACTOR

■ 适用范围 Application

空调接触器（以下简称接触器），主要适用于50Hz或60Hz、在AC-8a使用类别额定工作电压为240V或277V时额定电流至40A电路中，适用于起动和控制单相交流电动机(压缩机)及其它单相负载。主要用于家用电器行业.特别在空调行业中。可以替代同类国外进口产品和国内传统产品，符合IEC60947·4,UL508及GB14048.4等标准。

Air conditioning contactors(hereinafter referred to as contactors), mainly applicable to 50Hz or 60Hz, with class rated operating voltage at AC-8a
The rated current at 240V or 277V to 40A circuit is suitable for starting and controlling single-phase AC Motors(compressors) and other single-phase loads.
Mainly used in the household appliance industry, especially in the air-conditioning industry. Can replace the same kind of foreign imports and domestic traditional products,
Meet IEC 60947 · 4, UL508 and GB 14048.4 standards.

■ 技术参数 Specifications

- ◆三极常开
- ◆3 Pole No
- ◆重载银镉合金触点
- ◆Silver Cadmium Oxide Contacts

电流 Fla Rating	极数 Number Of Poles	24V线圈 24V Coil	120V线圈 120V Coil	208/240V线圈 208/240V Coil	277V线圈 277V Coil
50FLA	3	LCC2- 3XQ05CJ	LCC2 - 3XT05CJ	LCC2 - 3XU05CJ	LCC2 - 3XV05CJ
60FLA	3	LCC2 - 3XQ06CJ	LCC2- 3XT06CJ	LCC2-3XU06CJ	LCC2- 3XV06CJ
75FLA	3	LCC2 - 3XQ07CJ	LCC2- 3XT07CJ	LCC2 - 3XU07CJ	LCC2- 3XV07CJ
90FLA	3	LCC2 - 3XQ09CJ	LCC2-3XT09CJ	LCC2 - 3XU09CJ	LCC2- 3XV09CJ

三极接触器型号编码 Partial Listing of Available 50-90 FLA Contactors

绝缘强度 触点和线圈之间：2,200VAC 极之间：2,200VAC 开触点之间：2,200VAC 灭弧盖 标配 绝缘材料 130℃ Class B 温度范围 -40℃ to+65℃ -40°F to+ 150°F 重量 50-60 FLA 0.91kg 75-90 FLA 1.81kg INITIAL DIELECTRIC STRENGTH Between Contacts and Coils: 2,200VAC Between Poles: 2,200VAC Between Open Contacts: 2,200VAC ARC COVER Standard INSULATION SYSTEM 130℃ Class B TEMPERATURE PANGE -40℃ to +65℃ -40℃ F to +150℃ F UNIT WEIGHT 50-60 FLA 2lb 75-90 FLA 4lb	端子形式 铝压线盒 接线尺寸 50/60 FLA压线盒 14-2 75/90 FLA压线盒 14-1 推荐的锁紧扭力 压线盒 5.67N.m 快接端子 线圈端子 双250' 插片 或#6-32螺钉/250'插片 主回路端子 双250' 插片 POWER POLE TERMINATIONS Aluminum box lug WIRE SIZE 50/60 FLA Box Lug 14-2 75/90 FLA Box Lug 14-1 RECOMMENDED TIGHTENING TORQUE Box lug 50in.lbs QUICK CONNECTS Coil terminals Dual:250'QC or #6-32 screw/250' QC Power terminals Dual 250'QC
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新款LCC2-30/2



LCC2-75/3



LCC2-90/3

Auiliapy Contactor

适用范围 Application

该系列辅助导电接头安装于LA1-D控制继电器或LC1-D接触器的顶端。用于扩大辅助接触点的连接。由于采用了滑动摩擦的接触功能，此产品可自我清洁，保证了电路的可靠性。

LA1-D series auxiliary contact blocks are installed on the top of CA2-D control relay LC1-K orLC1-D AC contactor respectively for expanding the couples of auxiliary contacts points. Owingto adopting the contacting functions of sliding frictions, the time can be self-cleaning & ensurethe electric circuit to be reliable.

技术参数Specifications

型号 Type	触头型号 Type of Contact
LA1-DN01	1NC
LA1-DN02	2NC
LA1-DN10	1NO
LA1-DN11	NO+NC
LA1-DN20	2NO
LA1-DN22	2NO+2NC
LA1-DN40	4NO
LA1-DN04	4NC
LA1-DN13	1NO+3NC
LA1-DN31	3NO+1NC
LA8-DN11	1NO+1NC
LA8-DN20	2NO
LA1-KN11	NO+NC
LA1-KN20	2NO
LA1-KN02	2NC
LA1-KN22	2NO+2NC
LA1-KN31	3NO+1NC
LA1-KN13	1NO+3NC
LA1-KN40	4NO
LA1-KN04	4NC

适用范围 Application

LA2-D延时继电器适用于LC1-D交流接触器和LA1-D辅助触头组，组装成LC3-D星三角减压起动器，用于电动机起动。

LA2-D delay timer is applicable to be LC1-D AC contactor & LA1-DN Auxiliary contact block into LC3-D star-delta reduced voltage starter is to start motor.

技术参数Specifications

型号 Type	延时范围Delay range	延时触头型号Number of the delay contacts
LA2-DT0	0.1~3s	NO+NC
LA2-DT2	0.1~30s	
LA2-DT4	10~180s	
LA3-DR0	0.1~3s	
LA3-DR2	0.1~30s	
LA3-DR4	10~180s	



F4-D11 (LA1-DN11) F4-D22 (LA1-DN22)



LA-DN22



LA8-DN11



LA2-DT2



新型LA2-DT2N

DZ47LE(C45) Earth Leakage Circuit Breaker

Application

DZ47LE earth leakage circuit breaker is used for the protection, against electrical leakage in the circuit of 50Hz or 60Hz, rated voltage single-phase up to 240V, 3 phase up to 415V, rated current up to 60A. When somebody gets an electric shock or the residual current of the circuit exceeds the fixed value, the ELCB can cut off the power within the time of 0.1s automatically to protecting the equipment from the fault resulted by the residual current. With this function, the ELCB can protect the circuit against overload and short circuit or can be used for the unfrequent changeover of the circuit under normal conditions. It conforms to IEC898&IEC755.

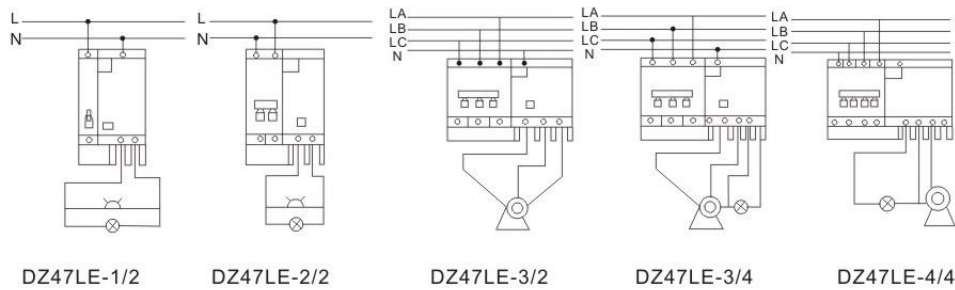
Specifications

Rated Voltage (V)	Pole No.	Rated Current (A)	Leakage Action Current (mA)	Leakage Dead Current(mA)	Leakage Action Time(S)
220V	1P	1,3,4,6,10 16,20,25,32	30	15	<0.1
380V	2,3,4P	16,20,25,32 40,50,63	100	50	<0.1

35-7.5 rail is used for the product installation.

Single-pole Double Line	Double-pole Double Line	Triple-pole Triple Line	Triple-pole Four Line	Four-pole Four Line
DZ47LE 1/2	DZ47LE 2/2	DZ47LE 3/3	DZ47LE 3/4	DZ47LE 4/4

Wiring Diagram



DZ65NL(C65) Earth Leakage Circuit Breaker

Specifications



DZ65NL 1P(C65)

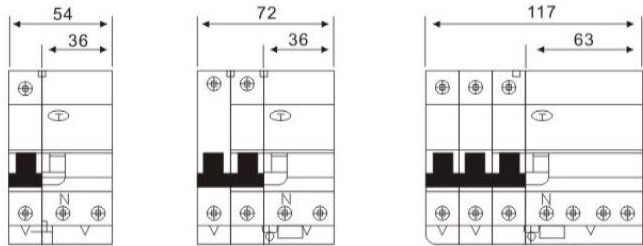
Rated Voltage	230V/400V
Rated current	6-63A
Rated frequency	50Hz
Rated breaking capacity	10KA/6 KA
Tripping characteristic	B C
Rated residual current	30mA
Standard	IEC 61009 GB16917.1

Single-pole Double Line	Double-pole Double Line	Triple-pole Triple Line	Triple-pole Four Line	Four-pole Four Line
DZ65NL 1/2	DZ65NL 2/2	DZ65NL 3/3	DZ65NL 3/4	DZ65NL 4/4

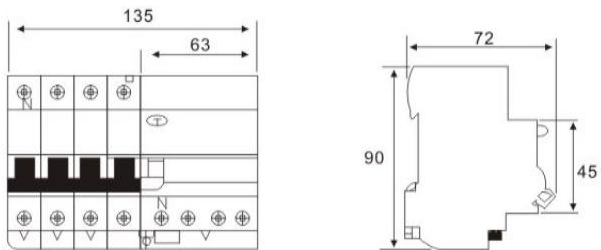


DZ65NL 2P(C65)

Dimensions



DZ65NL 4P(C65)



Miniature Circuit Breaker

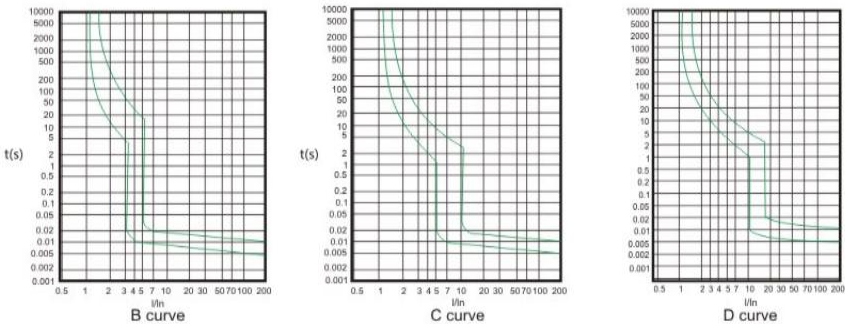
适用范围 Application

- Application : For protecting cables and equipments against overload and short circuit.
- General rules for choosing MCB.
 - Technical data of the network at the point considered :
The earthing systems, short-circuit current at the circuit breaker installation point, which must always be less than the breaking capacity of this device, network normal voltage.
 - There are 3 curve characteristics for magnetic operation :
B curve (3-5 In) protection and control of the circuits against length cables in TN and IT systems.
C curve (5-10 In) protection and control of the circuits against overloads and short-circuits; protection for resistive and inductive loads with low inrush current.
D curve (10-14 In) protection and control of the circuits against overloads and short-circuits; Protection for circuits which supply loads with high inrush current at the circuit closing (LV/LV transformers, breakdown lamps).



技术参数 Specifications

Standard		IEC/EN 60898.1	
Electrical features	Rated current In	A	1,2,4,6,10,16,20,25,32,40,50,63
	Poles	P	1,2,3,4
	Rated voltage Ue	V	230/400
	Insulation voltage Ui	V	500
	Rated frequency	Hz	50/60
	Rated breaking capacity	A	4500,6000,10000
	Rated impulse withstand voltage (1.2/50)Uimp	V	6000
	Dielectric test voltage at ind. Freq. for 1 min	kV	2
	Pollution degree		2
	Thermo-magnetic release characteristic		B,C,D
Mechanical features	Electrical life	t	8000
	Mechanical life	t	10000
	Protection degree		IP20
	Reference temperature for setting of thermal element	°C	30
	Ambient temperature (with daily average < 35°C)	°C	-5-+40
	Storage temperature	°C	-25-+70
Installation	Terminal connection type		Cable/Pin-type busbar
	Terminal size top/bottom for cable	mm²	25
		AWG	18-3
	Terminal size top/bottom for busbar	mm²	25
		AWG	18.3
	Tightening torque	N*m	2
		In-lbs.	18
Mounting		On DIN rail EN 60715 (35mm) by means of fast clip device	
Connection		From top and bottom	





LCM8(PG) Residual Current Circuit Breaker

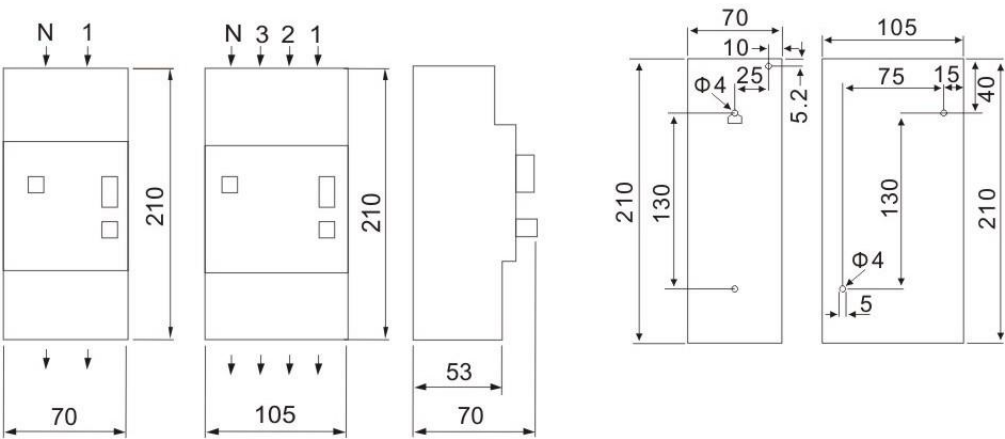
■ 适用范围 Application

LCM8(PG) RCCB, the rated current is adjustable from 5A up to 60A. User can select suitable current for better protection against overload and short circuit. The products comply with NFC61450

■ 技术参数 Specifications

Type	LCM8(PG)	
Poles	2P	4P
Rated Voltage(V)	230V/400V	
Rated current(A)	5A、10A、15A 5A、10A、15A、30A、45A 10A、15A、20A、25A、30A 10A、20A、30A、50A、60A 15A、30A、45A 30A、45A、60A 60A、75A、90A	
Leakage operating current(mA)	300mA 500mA	
Leakage non-operating current(mA)	150mA 250mA	
Accord with standards	NFC61450	

■ 外形及安装尺寸 Dimensions



LCM9(TG) Residual Current Circuit Breaker

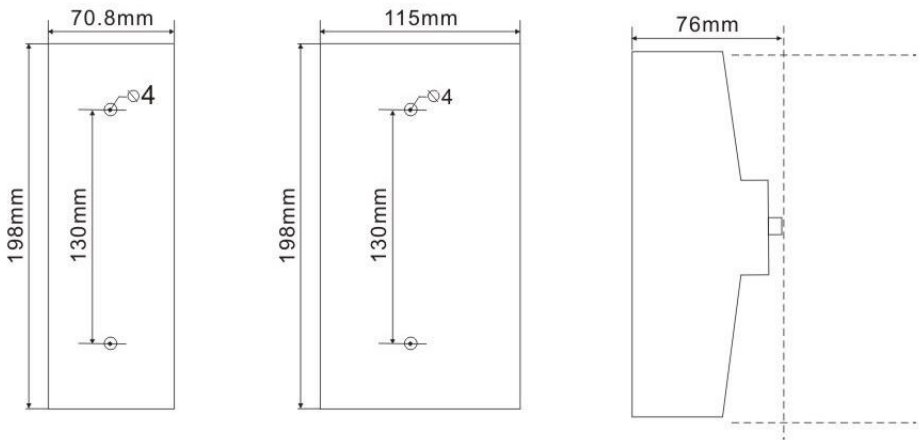
■ 适用范围 Application

LCM9(TG) RCCB, the rated current is adjustable from 5A up to 60A. User can select suitable current for better protection against overload and short circuit. The products comply with NFC61450

■ 技术参数 Specifications

Type	LCM9(TG)	
Poles	2P	4P
Rated Voltage(V)	230V/400V	
Rated current(A)	5~15A(5、10、15)A 10~30A(10、15、20、25、30)A 15~45A(15、30、45)A 30~60A(30、45、60)A	
Leakage operating current(mA)	300mA 500mA	
Leakage non-operating current(mA)	150mA 250mA	
Accord with standards	NFC61450	

■ 外形尺寸 Dimensions





LCM1/TM30(NF30) 分励脱扣器
LCM1/TM30(NF30) series circuit
breaker shunt release 63FT



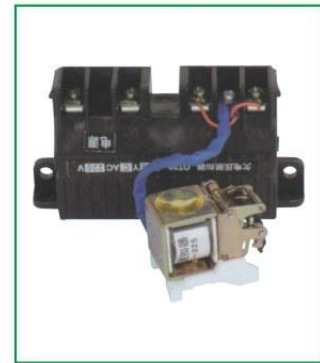
LCM3(ABB) 分励脱扣器
LCM3(ABB) series circuit breaker
shunt release 125,160FT



LCM3(ABB) 分励脱扣器
LCM3(ABB) series circuit breaker
shunt release 250,400FT



LCM3(ABB) 分励脱扣器
LCM3(ABB) series circuit breaker
shunt release 630,800,1250FT



LCM1/TM30(NF30) 欠压脱扣器
LCM1/TM30(NF30) series circuit breaker
under-voltage release 100QT



LCM3(ABB) 欠压脱扣器
LCM3(ABB) series circuit breaker
under-voltage release 125,160QT



LCM3(ABB) 欠压脱扣器
LCM3(ABB) series circuit breaker
under-voltage release 250,400QT



LCM3(ABB) 欠压脱扣器
LCM3(ABB) series circuit breaker
under-voltage release 630,800,1250QT



LCM1,TM30(NF30) 辅助触头
LCM1,TM30(NF30) series circuit
breaker auxiliary contact 100FC



LCM1 辅助触头
LCM1 series circuit breaker
auxiliary contact 400(H)FC



LCM3(ABB) 辅助触头
LCM3(ABB) series circuit breaker
auxiliary contact 125,160FC



LCM3(ABB) 辅助触头
LCM3(ABB) series circuit breaker
auxiliary contact 250,400FC



LCM3(ABB) 辅助触头
LCM3(ABB) series circuit breaker
auxiliary contact 630,800,1250FC



LCM2(NS) 分励脱扣器
LCM2(NS) shunt release



LCM2(NS) 辅助触头
LCM2(NS) auxiliary contact



LCM2(NS) 欠压脱扣器
LCM2(NS) under-voltage release

LCM1(CM1) Series Moulded Case Circuit Breaker

适用范围 Application

LCM1系列塑料外壳式断路器（以下简称断路器），是我公司采用国际先进技术开发设计、制造的新型断路器之一。其额定绝缘电压800V，适用于交流50Hz，额定工作电压400V及以下，额定工作的电流至800A的电路中作不频繁转换及电动机不频繁启动之用。断路器具有过载、短路和欠电压保护装置，能保护线路和电源设备不受损坏。产品符合IEC60947-2标准。

LCM1 series moulded case circuit breaker is one of products developed and manufactured by adopting international advanced technology. It is supplied with rated insulating voltage 800V and used for circuit of A.C.50Hz, rated operating voltage AC 400V (or below), rated operating current up to 800A for infrequent changing over and starting of the motors. The products conform to IEC 60947-2 standard.

技术参数 Specifications

Table1							
型号Type	额定电流 Rated current (A)	极数 Pole	额定绝 缘电压 Rated insui-ating volt-age (V)	额定工 作电压 Rated operat- ingvolt-age(V)	飞弧距离 Arcin- over distance (mm)	额定极限短 路分断能力 ultimate short circuit breaking capacity(KA)	额定运行短 路分断能力 Servies short circuit breaking capacity(KA)
LCM1-63L	(6),10,16, 22,25,32, 40,50,63	3,4	500V	400V	0	25	18
LCM1-60M					0	50	35
LCM1-100L	(10),16,20, 25,32,40, 50,63,80, 100				0(≤50)	35	22
LCM1-100M					0(≤50)	50	35
LCM1-100H					0(≤50)	85	50
LCM1-250L			≤50		35	22	
LCM1-250M			≤50		50	35	
LCM1-250H	250		≤50		85	50	
LCM1-400L	225,250, 315,350, 400		≤50		50	35	
LCM1-400M			≤100		65	42	
LCM1-630L			≤100		50	35	
LCM1-630M			≤100		65	42	
LCM1-630H			≤100		100	65	
LCM1-800M			≤100		75	50	
LCM1-800H			≤100		100	65	

保护特性 Protection Characteristic

The thermodynamic release of circuit breaker provides the feature of inverse time-delay, while the magnetic release is the instantaneous operation as shown on table 2(distribution circuit breaker) and table 2 (motor protection circuit breaker).

Table2			
脱扣器额定电流 Rated current of release(A)	热动型脱扣器Thermodynamic release(ambient temp)		电磁脱扣器动作电流(A) Operational current of magnetic release(A)
	1.05In冷态(cold state) 不动作时间(h) Inoperative time(h)	1.30In热态(heat state) 动作时间(h) operative time(h)	
10<In<63	>1	<1	10In±20%
63<In<100	>2	<2	5In±20%
100<In<800	>2	<2	10In±20%

Table3					
脱扣器额定电流 Rated current of release(A)	热动型脱扣器Thermodynamic release(ambient temp)				Operational current of magnetic releases(A)
	1.0In冷态(cold state) 不动作时间(h) Inoperative time(h)	1.2In冷态(cold state) 不动作时间(h) Inoperative time(h)	1.5In热态(heat state) 动作时间(h) operative time(h)	7.2In冷态(cold state) 动作时间(h) operative time(h)	
10 ≤ In < 225	≥ 2	< 2	≤ 4min	4s < Tp ≤ 10s	12In ± 20%
225 < In ≤ 630			≤ 8min	6s < Tp ≤ 20s	



LCM1-63(CM1-63)



LCM1-100(CM1-100)



LCM1-250(CM1-250)



LCM1-400(CM1-400)

LCM1R/E Series Moulded Case Circuit Breaker

■ 适用范围 Application

LCM1R/E系列智能塑料外壳式断路器（以下简称断路器），是我公司采用国际先进技术开发设计、制造的新型断路器之一。其额定绝缘电压800V，适用于交流50Hz，额定工作电压400V及以下，额定工作的电流至800A的电路中作不频繁转换及电动机不频繁起动之用。断路器具有过载、短路和欠电压保护装置，能保护线路和电源设备不受损坏。产品符合IEC60947-2标准。

LCM1R/E Series Intelligence moulded case circuit breaker is one of products developed and manufactured by adopting international advanced technology. It is supplied with rated insulating voltage 800V and used for circuit of A.C. 50Hz, rated operating voltage AC 400V (or below), rated operating current up to 800A for infrequent changing over and starting of the motors. The products conform to IEC 60947-2 standard.

■ 技术参数 Specifications

Table1

型号Type	额定电流 Rated current (A)	极数 Pole	额定绝 缘电压 Rated insui-ating volt-age (V)	额定工 作电压 Rated operat- ing volt- age(V)	飞弧距离 Arcin- over distance (mm)	额定极限短 路分断能力 ultimate short circuit breaking capacity(KA)	额定运行短 路分断能力 short circuit breaking capacity(KA)
LCM1-100L	(10),16,20, 25,32,40, 50,63,80, 100	3,4	500V	400V	0(≤50)	35	22
LCM1-100M					0(≤50)	50	35
LCM1-100H					0(≤50)	85	50
LCM1-250L	≤50				35	22	
LCM1-250M	≤50				50	35	
LCM1-250H	≤50				85	50	
LCM1-400L	225,250, 315,350, 400		800V		≤50	50	35
LCM1-400M					≤100	65	42
LCM1-630L	≤100				50	35	
LCM1-630M	≤100				65	42	
LCM1-630H	≤100				100	65	
LCM1-800M	≤100				75	50	
LCM1-800H	≤100				100	65	

■ 保护特性 Protection Characteristic

The thermodynamic release of circuit breaker provides the feature of inverse time-delay, while the magnetic release is the instantaneous operation as shown on table 2 (distribution circuit breaker) and table 2 (motor protection circuit breaker).

Table2

脱扣器额定电流 Rated current of release(A)	热动型脱扣器Thermodynamic release(ambient temp)		电磁脱扣器动作电流(A) Operational current of magnetic release(A)
	1.05In冷态(cold state) 不动作时间(h) Inoperative time(h)	1.30In热态(heat state) 动作时间(h) operative time(h)	
10 ≤ In ≤ 63	> 1	< 1	10In ± 20%
63 < In ≤ 100	> 2	< 2	
100 < In ≤ 800	> 2	< 2	5In ± 20% 10In ± 20%

Table3

脱扣器额定电流 Rated current of release(A)	热动型脱扣器Thermodynamic release(ambient temp)				Operational current of magnetic releases(A)
	1.0In冷态(cold state) 不动作时间(h) Inoperative time(h)	1.2In冷态(cold state) 不动作时间(h) Inoperative time(h)	1.5In热态(heat state) 动作时间(h) operative time(h)	7.2In冷态(cold state) 动作时间(h) operative time(h)	
10 ≤ In ≤ 225	> 2	< 2	< 4min	4s < Tp < 10s	12In ± 20%
225 < In ≤ 630			< 8min	6s < Tp < 20s	

LCM1LE(CM1LE) Moulded Case Circuit Breaker

■ 适用范围 Application

LCM1LE系列塑料外壳式断路器（以下简称断路器），是我公司采用国际先进技术开发设计、制造的新型断路器之一。其额定绝缘电压800V，适用于交流50Hz，额定工作电压400V及以下，额定工作的电流至800A的电路中作不频繁转换及电动机不频繁起动之用。断路器具有过载、短路和欠电压保护装置，能保护线路和电源设备不受损坏。

LCM1LE series moulded case circuit breaker with residual current production. Rated insulation voltage is 800V. It applies to circuit of AC 50Hz, rated working voltage 400V and rated working current up to 630V, for in frequent switch over and infrequent start of motor. With overload, Short circuit and under-voltage production, it can protect circuits and power-supply equipment from damage, can also be used for production from damage and any potential fire hazard caused by long existing earth fault which can not be detected by over-current production. The value of residual current is selectable.

■ 技术参数 Specifications

Type	Frame Rated Current Inm(A)	Rated Current In(A)	Rated Ultimate Short Circuit Breaking Capacity Icu(KA)	Rated Short Circuit Breaking Capacity Icu(KA)	Rated Residual Action Current I Δn(MA)	Rated Residual Non-action Current I Δno(MA)
LCM1LE -100	100	16,20,32,40 50,63,80,100	35	22	100/300/500	1/2IΔno
LCM1LE -225	225	100,125,140 160,180, 200,225	35	25		
LCM1LE -400	400	225,250 315,350,400	50	35	300/500/1000	
LCM1LE -630	630	400,500,630	50	35		

Residual Current		IΔn	2IΔn	5IΔn	10IΔn
Non Time-Delay Type	Max. Breaking Time(s)	0.2	0.1	0.04	0.04
Time-delay Type	Min. Breaking Time(s)	0.5/1.15/2.15	0.35/1/2	0.25/0.9/1.9	0.25/0.9/1.9
	Ultimate non-driving timeΔt(s)	-	0.1/0.5/1	-	-

Type	Rated Working Voltage(V)		
	AC 50Hz		DC
Shunt Release	Us	230,400	110,220
Under-Voltage Release	Ue	230,400	-
Electrical Mechanism	Us	230,400	110,220

Conventional heat Current Ith(A)	Rated Insulating Voltage Ui(V)	Rated Working Current Ie(A)		Rated Current of Frame Inm(A)
		AC 400V	DC 220V	
1	400	0.3	0.15	Used as Auxiliary Contact
2		0.3	0.15	≤ 225
3		0.4	0.2	≥ 400



LCM1-250R(Micrologic3.2A)



LCM1-100E(Micrologic5.2A)



LCM1-250E(Micrologic5.2A)



LCM1-400E(Micrologic5.2A)



LCM1LE-125(CM1LE-125)



LCM1LE-225(CM1LE-225)



LCM1LE-400(CM1LE-400)



LCM2-100(NS-100)



LCM2-250(NS-250)



LCM2-630(NS-630)



LCM2-1600(NS-1600)

LCM2(NS) Series Moulded Case Circuit Breaker

■ 适用范围 Application

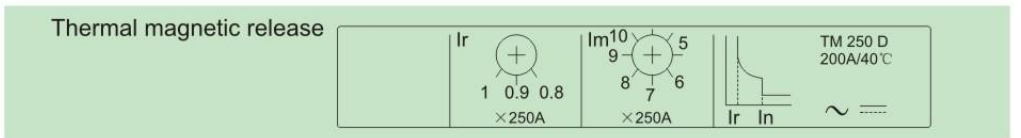
LCM2 系列塑料外壳式断路器是本公司采用国际先进技术研制开发的新型断路器之一。其额定绝缘电压为750V，适用于交流50Hz或60Hz，额定工作电压690V及以下，额定工作电流12.5A至630A的电路中，用来分配电能，在正常条件下作不频繁的闭合和断开之用，并在线路和设备过载，欠电压时起保护作用。额定壳架等级电流在400A及以下的断路器，也可作鼠笼型电动机的不频繁起动，运转中断开以及在电动机过载，短路及欠电压时起保护作用。产品符合IEC60947-2标准。

LCM2 series moulded case circuit breaker is one of breaker which adopts international advanced design, manufacture technology to develop. The rated insulating voltage is 750V, suitable for AC 50Hz(60Hz), rated working voltage 690V or below, rated working current is 12.5A to 630A of circuit and used in distributing electric energy, and non-frequent breaking in the normal conditions, protecting the current & equipment from overload & under voltage, circuit breaker with rated frame current 400A or below, can be used in mousecage motor's non-frequent start, breaking during working, protecting motor from voerload, short circuit & undervoltage, the product conforms to IEC 60947-2 standard.

■ 技术参数 Specifications

型号Type	极数Pole	额定绝缘电压Rated insui-ating volt-age (V)	额定工作电压Rated operat-ing voltage (V)	额定极限短路分断能力ultimate short circuit breaking capacity(KA)	额定运行短路分断能力Services short circuit breaking capacity(KA)
LCM2-100N	三、四极 3,4pole	750	690 and below	25	25
LCM2-100H				70	70
LCM2-100L				150	150
LCM2-160N				36	36
LCM2-160H				70	70
LCM2-160L				150	150
LCM2-250N				36	36
LCM2-250H				70	70
LCM2-250L				150	150
LCM2-400N				45	45
LCM2-400H				70	70
LCM2-400L				150	150
LCM2-630N				45	45
LCM2-630H				70	70
LCM2-630L				150	150

Note: 1. The N-pole bresker has no protection which closing and opening with the other three poles.
2. The type of thermal magneric for JVM2-400/630 has no four poles.



型号Type	额定电流Rated current (A)	分类Note
LCM2-100	12, 5, 16, 20, 25, 32, 40, 50, 63, 80, 100	T adjustable(0.8~1In) M adjustable(5~10In)
LCM2-160	16, 20, 25, 32, 40, 50, 63, 80, 100, 125, 160	
LCM2-250	160, 180, 200, 225, 250	
LCM2-400	315, 350, 400	
LCM2-630	400, 500, 630	
LCM2-1250	800, 1000, 1250	T adjustable(0.8~1In) M fixed
LCM2-1600	1000, 1250, 1600	

LCM2X(NSX) Series Moulded Case Circuit Breaker

■ 适用范围 Application

LCM2X 系列塑料外壳式断路器是本公司采用国际先进技术研制开发的新型断路器之一。其额定绝缘电压为750V，适用于交流50Hz或60Hz，额定工作电压690V及以下，额定工作电流12.5A至630A的电路中，用来分配电能，在正常条件下作不频繁的闭合和断开之用，并在线路和设备过载，欠电压时起保护作用。额定壳架等级电流在400A及以下的断路器，也可作鼠笼型电动机的不频繁起动，运转中断开以及在电动机过载，短路及欠电压时起保护作用。产品符合IEC60947-2标准。

LCM2X series moulded case circuit breaker is one of breaker which adopts international advanced design, manufacture technology to develop. The rated insulating voltage is 750V, suitable for AC 50 Hz(60Hz), rated working voltage 690V or below, rated working current is 12.5A to 630A of circuit and used in distributing electric energy, and non-frequent breaking in the normal conditions, protecting the current & equipment from overload & under voltage, circuit breaker with rated frame current 400A or below, can be used in mousecage motor's non-frequent start, breaking during working, protecting motor from voerload, short circuit & undervoltage, the product conforms to IEC 60947-2 standard.

■ 技术参数 Specifications

型号Type	极数Pole	额定绝缘电压Rated insui-ating volt-age (V)	额定工作电压Rated operat-ing voltage (V)	额定极限短路分断能力ultimate short circuit breaking capacity(KA)	额定运行短路分断能力Services short circuit breaking capacity(KA)
LCM2X-100N	三、四极 3,4 pole	750	690 and below	25	25
LCM2X-100H				70	70
LCM2X-100L				150	150
LCM2X-160N				36	36
LCM2X-160H				70	70
LCM2X-160L				150	150
LCM2X-250N				36	36
LCM2X-250H				70	70
LCM2X-250L				150	150
LCM2X-400N				45	45
LCM2X-400H				70	70
LCM2X-400L				150	150
LCM2X-630N				45	45
LCM2X-630H				70	70
LCM2X-630L				150	150

Note: 1. The N-pole bresker has no protection which closing and opening with the other three poles.
2. The type of thermal magneric for JVM2-400/630 has no four poles.



型号Type	额定电流Rated current (A)	分类Note
LCM2X-100	12, 5, 16, 20, 25, 32, 40, 50, 63, 80, 100	T adjustable(0.8~1In) M adjustable(5~10In)
LCM2X-160	16, 20, 25, 32, 40, 50, 63, 80, 100, 125, 160	
LCM2X-250	160, 180, 200, 225, 250	
LCM2X-400	315, 350, 400	
LC M2X-630	400, 500, 630	
LCM2X-1250	800, 1000, 1250	T adjustable(0.8~1In) M fixed
LCM2X-1600	1000, 1250, 1600	



LCM2X-250(Micrologic5.2A)



LCM2X-100(Micrologic2.3 A)



LCM2X-250(Micrologic23 A)



LCM2X-630(Micrologic 2.3 M)



LCM3-125S(S1-125)



LCM3-160S(S2-1 60)



LCM3-250S(S3-250)



LCM3-630S(S6-630)

LCM3(ISOMAX)Series Moulded Case Circuit Breaker

■ 适用范围 Application

LCM3系列塑料外壳式断路器，适用于交流50Hz或60Hz，额定工作电压690V，额定工作电压660（690V）及以下，直流250V及以下，额定电流12.5A-800A的电路中,用来分配电能，在正常条件下作不频繁的闭合和断开之用，并在线路和设备过载，短路和欠电压时起保护作用。也可以作线路的不频繁转换之用。额定壳架等级电流在400A及以下的断路器，也可作鼠笼型电动机的不频繁启动，运转中分断以及在电动机过载，短路及欠电压时起保护作用。断路器可架装欠电压脱扣器、分励脱扣器、辅助触头、报警触头、电动机操作机构及旋转手柄操作机构等各种用处的电气附件和机械附件。断路器符合IEC60947-2标准。

LCM3 series moulded case circuit breaker, it's applicable circuit of AC 50Hz(or 60Hz), rated insulation voltage 690V(JVM3-125 500V), rated operating voltage AC 690 or below, rated operating current 12.5-800A,for distribute energy of electric and infrequent making and breaking circuit in normal condition. The circuit-breakers are provided with the function of the protection against overload and short circuit and under-voltage. The circuit breakers comply with standard of IEC60947-2. The circuit breakers are double insulating(Inm=400A or above),the control circuit of the accessories is set apart with the main circuit, and doesn't need to open the cover of the circuit-breaker when install the accessories.

■ 技术参数 Specifications

型号Type	极数 Pole	额定绝缘电压 Rated insui-ating volt-age (V)	额定工作电压 Rated operat- ingvolt-age(V)	额定极限短路分断能力 Ultimate short circuit breaking capacity(KA)		额定运行短路分断能力 Servies short circuit breaking capacity(KA)	
				AC380V(400)	AC660V(690)	AC380V(400)	AC660V(690)
LCM3-125S	1,2, 3,4	500	500	25	-	12	-
LCM3-160S	3,4	690	690V 及以下 690 and below	35	8	25	-
LCM3-160M				50	10	35	-
LCM3-250S				35	14	35	-
LCM3-250M				65	18	50	-
LCM3-250H		85		20	65	-	
LCM3-400S		35		18	35	-	
LCM3-400M		65		22	50	-	
LCM3- 400H		100		30	75	-	
LCM3-630S		35		20	35	-	
LCM3- 630M		50		22	50	-	
LCM3- 630H		65		25	65	-	
LCM3- 8D0S		35		20	35	-	
LCM3- 800M		50		22	50	-	
LCM3- 800H		65		25	65	-	

LCM5(EZC) Moulded Case Circuit Breaker

■ 适用范围 Application

LCM5 MCCB is simple and universal solution to fit all the needs in terms of low voltage protection.

■ 技术参数 Specifications

Type		LCM5-100F	LCM5-100N	
Number of Poles	In at 40℃	3	1	3-4
Rated Current(A)	15,16,20,25	15,16,20,25 30,32,40,45 50,60,63,75 80,100	15,16,20,25 30,32,40,45 50,60,63,75 80,100	15,16,20,25 30,32,40,45 50,60,63,75 80,100
	30,32,40,45			
Rated Insulation Voltage(V) Ui	50,60,63,75			
	80,100			
Rated Impulse Withstand Voltage(KV) Uimp		690	690	690
Rated Operational Voltage(V) Ue		6	6	6
Rated Service Breaking Ics %Icu	AC 50/60Hz	55	415	550
	DC	250	125	250
Electrical Characteristics as per Iec 60947-2,en60947-2,jisc8201-2-1				
Ultimate Breaking Icu AC50/60Hz 110/130v		25	25	25
Capacity(KA Rms)	220/230/240V	25	18	25
	380V	10	2.5	18
	400/415V	10	2.5	15
	400V	7.5	-	10
	550V	5	-	5
	DC 125V(1P)	5	5	5
	250V (2P in series)	5	-	5
	110-400V	50%	50%	50%
Capacity(karms)	415-550V	50%	50%	50%
Suitability for Isolation		■	■	■
Utilisation Category		A	A	A
Pollution Degree		3	3	3
Endurance(C-o Cycles)	Mechanical	8500	8500	8500
	Electrical Ln/415V	1500	1500	1500

Type		LCM5-250F	LCM5-250N	LCM5-400N	LCM5-400H
Number of Poles	In At 40℃	3	3	3-4	3-4
Rated Current(A)	100,125	100,125 150,160 175,200 225,250	100,125 150,160 175,200 225,250	250,300 320,350 400	250,300 320,350 400
	150,160				
Rated Insulation Voltage(V) Ui	175,200				
	225,250				
Rated Impulse Withstand Voltage(kv) Uimp		690	690	690	690
Rated Operational Voltage(V) Ue		6	6	8	8
Rated Service Breaking Ics %Icu	AC 50/60Hz	550	550	550	550
	DC	250	250	250	250
Electrical Characteristics as per Iec 60947-2,en60947-2,jisc8201-2-1					
Ultimate Breaking Icu Ac 50/60hz 110/130V		25	50	-	-
Capacity(KA Rms)	220/230/240V	25	50	85	100
	380V	18	25	36	50
	400/415V	18	25	36	50
	400V	15	20	36	50
	550V	5	8	15	20
	DC 125V(1P)	5	20	-	-
	250V (2P in series)	5	20	20	40
	110-400V	50%	50%	50%	50%
Capacity(Karms)	415-550V	50%	50%	-	-
Suitability for Isolation		■	■	■	■
Utilisation Category		A	A	A	A
Pollution Degree		3	3	3	3
Endurance(C-O Cycles)	Mechanical	4000	4000	4000	4000
	Electrical In/415V	1000	1000	1000	1000



LCM5-100(EZC-100) 1P
LCM5-100(EZC-100) 2P



LCM5-100(EZC-100) 3P



LCM5-100(EZC-100) 4P



LCM5-250(EZC-250) 3P

LCM11(ABE/ABN) Moulded Case Circuit Breaker

■ 适用范围 Application

LCM11 series moulded case circuit is applicable circuit of AC 50/60Hz, rated current 16A-1250A, for distributing energy of electricity & infrequent making & breaking circuit in normal conditions. The products conforms to IEC60947-2.

■ 技术参数 Specifications

Type									
		25kA	36kA	25kA	36kA	50kA	36kA	36kA	36kA
Pole No.		3,4P							
Rated current (A)		16A-125A		63A-160A		40A-160A	40A-250A	250A-630A	800A-1250A
Breaking capacity (kA)	400V~	25	36	25	36	50	36	36	50
	230V~	35	40	40	50	65	60	60	80
	Ics(% Icu)	50	75	100	75	50	100	100	100
Max. rated operating volt. Ue (V)		500V~250V=					690V~ -250=	690V~	690V~ -250=
Category of use		A						A: In 630A B: In 200 to 400A	A
Thermal adjustment		0.7 to 1 In		0.64 to 1 In			0.8 to 1 In		
Magnetic adjustment		Fixed					3.5 to 10 In	5 to 10 In	

Specifiction Of Earth Leakage Modules

Cat.Nos LCM11-125 -Fixed

Breaking capacity Icu 25kA (400V~)

3P	4P	In
250 36	250 44	16A
250 37	250 45	25A
250 38	250 46	40A
250 39	250 47	63A
250 40	250 48	100A
250 41	250 49	125A
3P+N/2	In	
250 43	125A	

Breaking capacity Icu 36kA (400V~)

3P	4P	In
250 50	250 58	16A
250 51	250 59	25A
250 52	250 60	40A
250 53	250 61	63A
250 54	250 62	100A
250 55	250 63	125A
3P+N/2	In	
250 57	125A	

Electronic earth leakage modules

Cat.Nos LCM11-125

Can be fitted onto JVM11-125 adjustable, sealable sensitivity: 0.03-0.3-1-3A Adjustable, tripping: 0-0.3-1-3s Test push-button Reset push-button Remote earth fault signalling contact switch for mechanical tests (installation insulation test) 230-500V~

Mounted side by side (at right-hand side)

3P	4P	In
260 02	260 03	63A
260 12	260 13	125A
Mounte underneath		
	260 04	63A
	260 14	125A



LCM11-100/3P



LCM11-100/4P



LCM11-160/4P



LCM11-250/4P



LCM11-100L

LCM7(ABE/ABN) Moulded Case Circuit Breaker

■ Specification

Type	2pole	LCM7-32E	LCM7-52E	LCM7-52S	LCM7-62E	LCM7-62S
	3pole	LCM7-33S	LCM7-53E	LCM7-53S	LCM7-63E	LCM7-63S
Frame size(AF)		30	50		60	
Rated current(A)		5,10,15,20,30	5,10,15,20,30,40,50		60	
Rated operational voltage(V)Ue (50/60Hz)		600	600	600	600	600
Rated insulation voltage(V)Ui(50/60Hz)		690	690	690	900	900
Rated impulse withstand voltage(KV)Uimp		6	6	6	6	6
Ultimate breaking capacity (KA,Icu AC 50/60Hz)	220V/240V	10	10	25	10	25
	380V	7.5/5	7.5/5	14/10	7.5/5	14/10
	415V	7.5/5	7.5/5	14/10	7.5/5	14/10
	440/460V	5	5	10	5	10
	480/500V	2.5	2.5	7.5	2.5	7.5
Utilisation category	600V	2.5	2.5	5	2.5	5
		A	A	A	A	A
Endurance	Mechanical	8500	8500	8500	8500	8500
	Electrical	1500	1500	1500	1500	1500

Type	2pole	LCM7-102E	LCM7-102S				
	3pole	LCM7-103E	LCM7-103S	LCM7-203E	LCM7-203S	LCM7-403E	LCM7-403S
Frame size(AF)		100		225		400	
Rated current(A)		5,10,15,20,30,40,50,60,75,100	15,20,30,40,50,60,75,100	100,125,150,175,200,225		250,300,350,400	
Rated operational voltage(V)Ue (50/60Hz)		600	600	600	600	600	600
Rated insulation voltage(V)Ui(50/60Hz)		690	690	690	690	690	690
Rated impulse withstand voltage(KV)Uimp		6	6	6	6	6	6
Ultimate breaking capacity (KA,Icu AC 50/60Hz)	220V/240V	10	50	35	50	35	50
	380V	7.5/5	25	18	25	30	42
	415V	7.5/5	25	18	25	25	35
	440/460V	5	25	18	25	25	35
	480/500V	2.5	25	10	14	18	25
Utilisation category	600V	2.5	14	7.5	10	18	22
		A	A	A	A	A	A
Endurance	Mechanical	8500	8500	7000	7000	4000	400
	Electrical	1500	1500	1000	1000	1000	1000



LCM7-102b



LCM7-103b



LCM7-203b



LCM7-103c



LCM7-203c



LCM7-102c





LC3-ME



LC3-CO2



DZ208(3VU)

LC Series Circuit Breaker

基本参数 Fundamental parameter

额定电流 Rated current(A)	电动机输出 功率 Motor cutput(KW)	额定电流范围 Setting Rated(A)		订货号 Order No.
		热过载脱扣器 Thermal overload releases	瞬时过电流脱扣器 Instantaneous over current releases	
1.6	0.37	1-1.6	19	
2.5	0.75	1.6-2.5	30	
4	1.1/1.5	2.5-4	48	
6	2.2	4-6	72	
10	3/4	6-10	120	
16	5.5/7.5	10-16	190	
25	11	16-25	300	
40	18.5	25-40	480	
63	30	40-63	720	
80	40	56-80	960	

DZ208 Motor Protection Circuit Breaker

适用范围 Application

The product is suitable to be used in circuit of rated voltage up to AC 660V 50/60Hz, rated current from 0.1A to 63A. It is applicable for protection of overload & short circuit of 3 phase squirrel-cage motors. It also can be used as direct starter to start the motor and a switch for changeover the circuit under normal conditions.

技术参数 Specifications

DZ208-13			DZ208-16		
Current setting range (A)	Power of controlled motor(kW)	Rated current(A)	Current setting range (A)	Power of controlled motor(kW)	Rated current(A)
0.1-0.16		0.16	1-1.6	0.37/0.55	1.6
0.16-0.24	0.06	0.24	1.6-2.4	0.75	2.4
0.24-0.4	0.09/0.12	0.4	2.4-4	1.1/1.5	4
0.4-0.6	0.12/0.18	0.6	4-6	2.2	6
0.6-1	0.25	1	6-10	3/4	10
1-1.6	0.37/0.55	1.6	10-16	5.5/7.5	16
1.6-2.4	0.75	2.4	16-25	11	25
2-3.2	1.1	3.2	22-23	15	32
2.4-4	1.1/1.5	4	2.4-4	18.5	40
3.2-5	1.5/2.2	5	36-25	22	52
4-6	2.2	6	45-63	-	63
5-8	3	8			
6-10	3/4	10			
8-13	4/4.5	13			
10-16	7.5	16			
14-20	7.5	20			
18-25	11	25			



LCE1-D09-18



LCE1-D25-32



LCE1-D40-95



LCE1-N09-32

LCE1- D Magnetic Starter

适用范围 Application

LCE1-D 系列磁力起动器主要适用于交流50或60Hz、额定电压至550V的电路中，供远距离接通与分断电路及频繁起动、控制电动机之用。此产品具有体积小、重量轻、功率损耗低、效率高、性能安全可靠等特点。LCE1-D magnetic starter is mainly applied to circuit of AC 50 or 60Hz, voltage up to 550V for far distance making and breaking circuit and frequently starting and controlling motor. It has the features of small volume, light weight, low power consumption, high efficiency, safe and reliable performance etc.

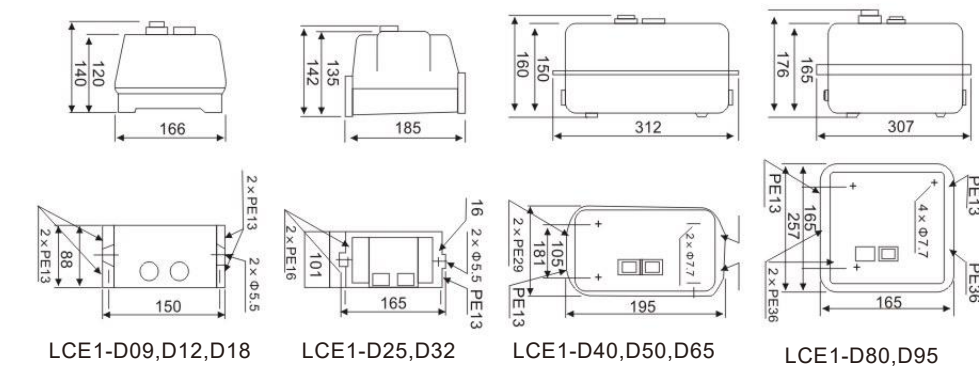
技术参数 Specifications

AC3最大功率 Maximum power Ac3 duty(kw)						额定电流 Rated current (A)	防护等级 Protection	型号 Code number		适用热继电器 Suitable thermal relay(A)
220V 230V	380V 400V	415V	440V	500V	660V 690V			长寿命 LL(long life)	普通寿命 NL(3) (normal life)	
2.2	4	4	4	5.5	5.5	9	IP42 IP65	LCE1-N094 LCE1-N093	- -	LR2-D1312 LR2-D1314
3	5.5	5.5	5.5	7.5	7.5	12	IP42 IP55	LCE1-N124 LCE1-N123	LCE1-N094 LCE1-N093	LR2-D1316
4	7.5	9	9	10	10	18	IP42 IP55	LCE1-N188 LCE1-N185	LCE1-N124 LCE1-N123	LR2-D1321
5.5	11	11	11	5	5	25	IP42 IP55	LCE1-N258 LCE1-N255	LCE1-N188 LCE1-N185	LR2-D1322 LR2-D2353
7.5	15	15	15	18.5	18.5	32	IP55	LCE1-N325	LCE1-N255	LR2-D2355
11	18.5	22	22	22	22	40	IP55	LCE1-N405	LCE1-N325	LR2-D3353 LR2-D3355
15	22	25	25	30	30	50	IP55	LCE1-N505	LCE1-N405	LR2-D3357 LR2-D3359
18.5	30	37	37	37	37	65	IP55	LCE1-N655	LCE1-N505	LR2-D3361
22	37	45	45	55	45	80	IP55	LCE1-N805	LCE1-N655	LR2-D3363 LR2-D3365
25	45	45	45	55	45	95	IP55	LCE1-N955	LCE1-N805	LR2-D3365

标准控制断路电压 Standard control circuit voltages

电压Volts	24	42	48	110	220/230	230	240	380/400	400	415	440
50/60Hz	B7	D7	E7	F7	M7	P7	U7	Q7	V7	N7	R7

外形尺寸图 Dimension



LR2- D Thermal Overload Relay



JR28-25
(LR2-D13)



JR28-36
(LR2-D23)



JR28-93
(LR2-D33)

适用范围 Application

该系列热过载继电器适用于50或60Hz、额定绝缘电压660V、额定电流为0.1~93A的电路中，用于电机过载时的断相保护。
此继电器有不同的机构及温度补偿，可插入LC1-D系列、AC触头，它是世界上年代最先进的继电器。产品符合IEC60947-4标准。
This series of thermal overload relay can be used in the circuit of 50Hz kr 60Hz, rated insulation voltage 660V, rated current 0.1-9sA for protecting the phase bresk when the electric motor isoverload. The relay has different mechanism and temperature compensation & can be plugged inLC1-D series AC contactor. It is the most advanced thermal relay in the nineties in the world. The products comply with IEC60947-4.

特点 Characteristics

a. 主电路基本参数	a. Fundamental parameter of the main circuit
(a). 额定绝缘电压660V	(a). Rated insulation voltage 660V.
(b). 额定工作电流25、35、93A	(b). Rated working current 25、35、93A separately.
(c). 密封调节器额定整定电流	(c). The regulator seal of rated setting current.
(d). 热元件额定电流调节范围	(d). Current of the thermal component(see list 1)
b. 辅助电路	b. Auxiliary Circuit
(a). 具有电气隔离的常开的常闭	(a).There is one pair of N/O and N/C contact with electric insulation.
(b). 额定绝缘电压550V	(b). Rated insulation voltage 550V.
(c). 额定频率50-60Hz	(c). Rated frequency 50-60Hz.
(d). 使用类别，额定工作电压，约定发热电流和额定工作电流	(d). Use group, rated working voltage, conventional thermal current and rated current.

技术参数Specifications

型号Type	额定工作电流 Rated working current		热元件 Thermal component	
			额定电流 Rated current(A)	额定电流选择范围 Rated or scale of rated current(A)
LR2-D13 25	LR2-D	1301	0.16	0.10-0.16
		1302	0.25	0.16-0.25
		1303	0.40	0.25-0.40
		1304	0.63	0.40-0.63
		1305	1.0	0.63-1.0
		1306	1.6	1.0-1.6
		1307	2.5	1.6-2.5
		1308	4.0	2.5-4.0
		1310	6.0	4.0-6.0
		1312	8.0	5.5-8.0
		1314	10.0	7.0-10.0
		1316	13.0	9.0-13.0
		1321	18.0	12.0-18.0
LR2-D23 36	LR2-D	1322	25.0	17.0-25.0
		2353	32	23.0-32.0
		2355	36	28.0-36.0
LR2-D33 93	LR2-D	3353	32	23.0-32.0
		3355	40	30.0-40.0
		3357	50	37.0-50.0
		3359	65	48.0-65.0
		3361	70	55.0-70.0
		3363	80	63.0-80.0
		3365	93	80.0-93.0

GTH Thermal Overload Relay

适用范围 Application

该系列热过载继电器主要用于交流50/60Hz、额定绝缘电压660V、额定电流0.1~85A的电路中，作为电动机过载和断相保护之用。
此继电器有不同的机构及温度补偿，可插入LC1-D系列、AC触头，该产品符合IEC60947-4标准。
This series of thermal overload relay can be used in the circuit of 50/60Hz, rated insulation voltage 660V, rated current 0.1-85A for protecting the phase break when the electric motor is overload.
The relay has different mechanism and temperature compensation & can be plugged in GMC series AC contactor. The products comply with IEC 60947-4.

技术参数Specifications

型号 Type	热元件Thermal component	
	额定电流 Rated current(A)	额定电流选择范围 Rated or scale of rated current(A)
GTH-22 (GTK-22)	0.14	0.10-0.16
	0.21	0.16-0.25
	0.33	0.25-0.40
	0.52	0.40-0.63
	0.82	0.63-1.0
	1.3	1.0-1.6
	2.1	1.6-2.5
	3.3	2.5-4.0
	5	4.0-6.0
	6.5	5.0-8.0
	7.5	6.0-9.0
	8.5	7.0-10.0
	11	9.0-13.0
	15	12.0-18.0
	19	16.0-22.0
GTH-40 (GTK-40)	5	4.0-6.0
	6.5	5.0-8.0
	7.5	6.0-9.0
	8.5	7.0-10.0
	11	9.0-13.0
	15	12.0-18.0
	19	16.0-22.0
	22	18.0-26.0
	30	24.0-36.0
	34	28.0-40.0
GTH-85 (GTK-85)	8.5	7.0-10.0
	11	9.0-13.0
	15	12.0-18.0
	19	16.0-22.0
	22	18.0-26.0
	30	24.0-36.0
	34	28.0-40.0
	42	34.0-50.0
	55	45.0-65.0
	65	54.0-75.0
	74	63.0-85.0



GTH-22



GTH-40



GTH-85



DZ116(MS116)



DZ116(MS116)



DZ116(MS116)



DZ116(MS116)

DZ116(MS116)电动机起动器Motor Starter

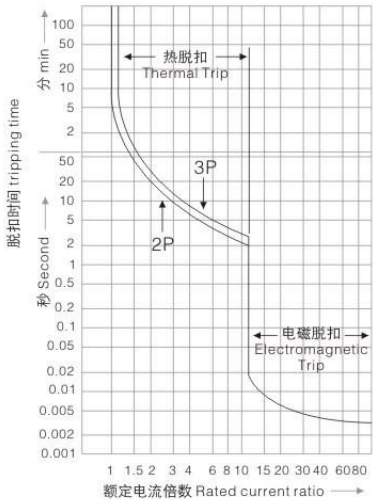
适用范围 Application

DZ电动机起动器是一种可靠和节约成本的电动机保护方案。它具有非常广泛的应用场合。一般应用于工程和工厂、工业系统、传送带系统、化学工业包括过程处理、药品工业、建筑自动化(如空调系统)、环保工厂、电厂、净水及污水处理、机床工业等。额定电流由0.1A至100A。可对电机和线路进行高效可靠的过载、短路、断相及欠压保护。

DZ motor starter is a reliable and cost-saving motor protection scheme. It has a very wide range of applications. Generally used in engineering and factory, industrial system, conveyor belt system, chemical industry including process treatment, pharmaceutical industry, building automation (such as air conditioning system), environmental protection factory, power plant, water purification and sewage treatment, machine tool industry, etc. The rated current ranges from 0.1A to 100A. It can provide efficient and reliable overload, short circuit, phase break and under-voltage protection for motor and circuit.

型号及命名 Model and name

脱扣曲线图 Trip Diagram

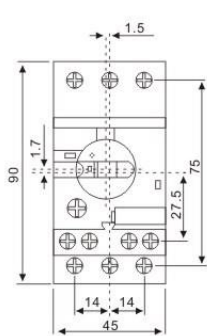


技术参数 Specifications

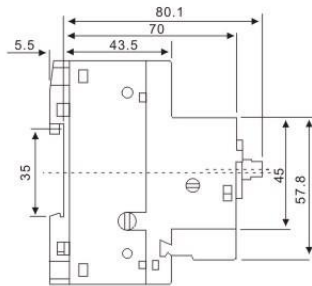
型号 type		DZ116	DZ132	DZ450/451	DZ495/496/497
额定绝缘电压 Rated insulation voltage Ui	IEC EN 60947 VAC	690			
	CSA/UL/NEMA VAC	600			
额定工作电压 Rated operating voltage Ue	V	690AC			
额定冲击耐受电压 Rated impulse withstand voltage Uimp	KV	6			
额定工作电流 Rated operating current Ie	A	32A	32A	50A	100A
额定持续发热电流 Rated continuous heating current Ith	A	32A	32A	50A	100A
额定频率 Rated frequency	Hz	50/60			
电流设定范围 Current setting range Ie	A	0.1~32	0.1~32	11~50	28~100
短路分断能力 Short to the breaking capacity Ie	400V	Max50kA	Max100kA	Max50kA	Max100kA

型号 type	电流整定范围 A...A Current setting range	短路分断能力 Icu 400V AC, kA Short circuit breaking capacity	额定瞬时短路电流 A Rated instantaneous short circuit current
DZ116-0.16	0.10... 0.16	50	1.25...1.87
DZ116-0.25	0.16... 0.25	50	1.95...2.92
DZ116-0.4	0.25... 0.40	50	3.12...4.68
DZ116-0.63	0.40... 0.63	50	4.91...7.37
DZ116-1.0	0.63... 1.00	50	9.20...13.8
DZ116-1.6	1.00... 1.60	50	14.7...22.1
DZ116-2.5	1.60... 2.50	50	23.0...34.5
DZ116-4.0	2.50... 4.00	50	40.0...60.0
DZ116-6.3	4.00... 6.30	50	63.0...94.5
DZ116-10	6.30... 10.0	50	120...180
DZ116-12	8.00... 12.0	25	144...216
DZ116-16	10.0... 16.0	16	192...288
DZ116-20	16.0... 20.0	15	240...360
DZ116-25	20.0... 25.0	15	300...460
DZ116-32	25.0... 32.0	10	384...576

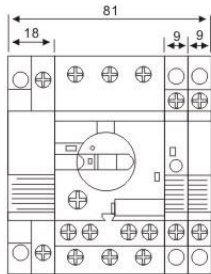
外形安装尺寸 Dimension



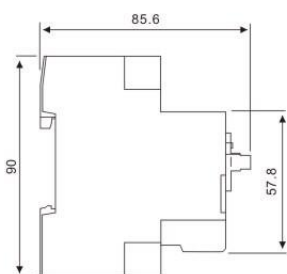
DZ116≤16A



DZ116≥20A



DZ116+UA1, AA1, SK1, HK1, CK1, HKF1-11



■ 概述 Description

随着智能电网的建设和新能源技术、新能源汽车、电动汽车充电桩的广泛应用，以及电子技术、微电子技术、直流电流检测等技术的发展，漏电断路器的技术不断发展以适应新能源汽车的发展适应智能电网建设的需要。如变频技术和直流技术的应用，进一步提高了断路器的功能和体积。同时，电动汽车充电桩的发展促进了充电桩专用漏电断路器的发展。

With the construction of smart grid and wide application of new energy technology, new energy vehicles and electric vehicle charging station as well as the development of electronic technology. microelectronics technology, Dc current detection and other technologies, the technology of the leakage circuit breaker keeps constant development to adapt to the demand of the construction of smart grids. For example, the application of frequency conversion technology and DC technology has further improved the functions and volume of circuit breaker, While, the development of electrical vehicle charging piles has promoted the development of leakage circuit breakers which are specially used for charging station.

■ 详细参数 Specifications

电气特性 Electrical Feature	标准 Standard	IEC61008-1
	类型（感测到的漏电波形） Type(wave form of the earth leakage sensed)	AC ,A
	额定电流In Rated current In	25,40,63.
	级数 Poles	2,4
	额定电压Ue Rated voltage Ue	230/400
	额定灵敏度In Rated sensitivity In	0.03,0.1,0.3 0.5
	绝缘电压Ui Insulation voltage Ui	500
	额定残留量和 Rated residual making and	500(In=25A/40A)
	断裂能力Im breaking capacity m	630(In=63A)
	短路电流IC Short-circuit current c	6000/10000
	SCPD保险丝 SCPD fuse	10000
	中断时间 Break time under In	<0.1
	额定频率 Rated frequency	50/60
	额定冲击耐受电压（1.2 / 50）Uimp Rated impulse withstand voltage(1.2/50)Uimp	6000
	电介质测试电压在1分钟 Dielectric test voltage at ind Freq for 1 min	2.5
	污染度 Pollution degree	2
机械特性 Mechanical features	电气寿命 Electrical life	4000
	机械寿命 Mechanical life	20000
	故障电流指示器 F ault current indicator	Yes
	保护等级 Protection degree	IP20
	环境温度（每天平均35） Ambient temperature(with daily average 35)	-5~+40

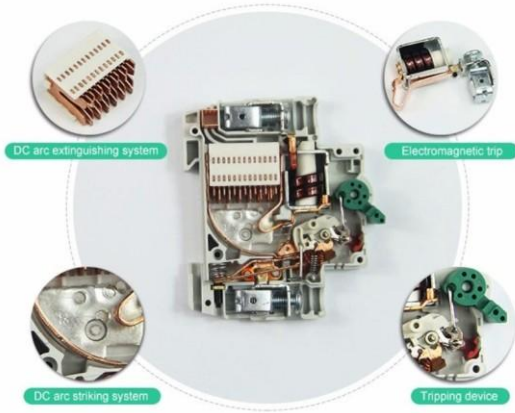
■ 概述 Description

L7-63系列DC 800V 30A直流断路器，适用于额定电流63A及以下，主要用于直流配电系统设备和电气设备的过载和短路保护。可广泛应用于电力、邮政、交通、矿山企业及各种领域。在目前的中国，我们的产品在额定电压等级的情况下是最高的同类产品相比。

L7-63 Series DC 800V 30A DC Circuit breaker , apply to rating current 63A or less, It is mainly used for the overloading and short circuit protection in DC distribution system equipment and electric equipment. It can be widely used in electric, post, traffic, mining enterprise and different kinds of fields. In present China, our products in the case grade rating voltage is highest compared to the same products.

■ 详细参数 Specifications

项目 Item	直流小型断路器 DC Mini Circuit Breaker
代码 Code	SL7-63
极点 Pole	2P
电压 Voltage	800V
电流 Current	6A/10A/16A/20A/32A/40A/50A/63A
标准 Standard	IEC/EN60947
分断能力 Breaking Capacity	6KA
特性曲线 Characteristic Curve	B/C/D
工作温度 Working Temperature	-5°C to 40°C
防护等级 Protection Degree	IP20
电气寿命 Electrical life	More than 8000 times
机械寿命 Mechanical life	More than 2000 times
尺寸 Dimension	36x80x71
安装 Installation	35mm Din Rail
附件 Accessory	YES
安装高度 Installation Altitude	<2000M



■ 概述 Description

相线+中性线断路器适用于交流50Hz或60Hz，额定电压230V的单相剩余电路，保护电路不过载和短路。该产品分断能力高，体积小，同时切断，避免了带电、零线的反接或零线与地之间的电压引起的危险。是目前住宅理想的配电开关。符合IEC60898-1标准。

Phase line+ neutral line circuit breaker is suitable to the single-phase residual circuit of AC50or60Hz, rated voltage 230V, protecting the circuit from overload and short circuit. The product has high breaking capacity, volume small are cut at the same time to avoid the inversed grafting of live and null wire or danger caused by the voltage between zero wire and earth. It is the ideal power distribution switch for the present residence. It conforms to standard IEC60898-1.

■ 详细参数 Specifications

额定电流In Rated Current In	1A 2A 3A 4A 6A 10A 16A 20A 25A 32A 40A 50A63A
极点 Poles	1 P+N
额定电压Ue Rated Voltage Ue	230/400V'
额定分断能力 Rated Breaking Capacity	4500AV6000A
热磁释放特性 Thermo-magnetic release characteristic	B C D
额定冲击耐受电压（1 2/50）Uimp Rated impulse withstand voltage(1 2/50)Uimp	6KV
绝缘测试电压和IND。频率1分钟 Dielectric test voltage at and ind. freq.for 1 min	2KV
污染程度 Pollution Degree	2
防护等级 Protection Degree	IP20
电气寿命 Electrical Life	8000
机械寿命 Mechanical Life	10000
带附件的组合 Combination with Accessories	辅助报警、分励脱扣器、欠压脱扣器 Auxiliary, Alamm, Shunt Release, Under Voltage Release
环境温度 Circumstance Temperature	-5°C~+40°C
证书 Certicate	CE CB SEMKO SAA CCCTUV
保证 Guarantee	2YEARS

■ 概述 Description

产品的测量元件和屈曲元件位于进线端和进线端之间；

外部机械工具不能改变产品的运动特性；

操作机构具有自由脱扣功能；

操作部件不能从产品外壳上取下，外壳不能影响操作；

操作机构具有自由脱扣功能；

操作件不能从产品外壳上取下，外壳不能影响操作工作，更换测隙压力的附件组，应保证测隙压力在运行时不发生变化。

- *Measuring component and buckling component of products is located between enter line end and entrance line end ;
- * Movement characteristic of products can not be changed with outside mechanical tool,
- * The operating organization has the free function to take off and buckle;
- * Operate part can not be taken down from the shell outer of products . the shell can not influence the operating organization to work the accessory group which replace the feelers pressure, should guarantee the feelers pressure does not change while funning.

■ 详细参数 Specifications

额定电流In Rated Current In	25A 32A 40A 63A 80A 100A 125A
极点 Poles	2P 4P
额定工作电流（In） Rated residual operating current(In)	10, 30, 100, 300, 500mA
额定剩余非工作电流（Ino） Rated residual non-operation Cument(Ino)	0.5In
额定电压（Un） Rated Woltage(Un)	AC 2P: 230/240V 4P: 400/415V
剩余工作电流范围 Residual operating current scope	0.5In~In
剩余电流关断时间 Residual current off-time	≤0.3s
类型 Type	A,AC
实用短路分断能力（inc） Ultimate short-circuit breaking capacity (Inc)	10000A
耐力 Endurance	≥4000
终端保护 Temminal protection	IP20



概述 Description

- 灵敏度：高灵敏度：30mA
 - 瞬时跳闸（固定）I中灵敏度：100mA，300mA瞬时或选择性倾翻（固定）
 - 额定电流：25至100A
 - 额定电压：230V AC（2P）和400V（4P）
 - 极数：2P和4P
 - 类型：A
 - 频率：50Hz
- * sensitivity: High sensitivity: 30mA
* instantaneous tripping (ixed) 1 Medium sensitivity: 100mA, 300mAinstantaneous or selective tripping (ixed)
* current rating: 25 to 100A
* voltage rating: 230V AC (2P) and 400V (4P)
* poles: 2P and 4P
* type: A
* frequency: 50Hz

详细参数 Specifications

额定电流In Rated Current In	25A 32A 40A 63A 80A 100A 125A
极点 Poles	2P 4P
额定工作电流（In） Rated residual operating current(In)	10, 30, 100, 300, 500mA
额定剩余非工作电流（Ino） Rated residual non-operation Current(Ino)	0.5In
额定电压（Un） Rated Voltage(Un)	AC 2P: 230/240V 4P: 400/415V
剩余工作电流范围 Residual operatling current scope	0.5In~In
剩余电流关断时间 Residual current off-time	≤0.3s
类型 Type	A,AC
实用短路分断能力（inc） Ultimate short-circuit breaking capacity (Ins)	10000A
耐力 Endurance	≥4000
终端保护 Terminal protection	IP20



LCMB2 LCEB2



LCEB2



LCEB4

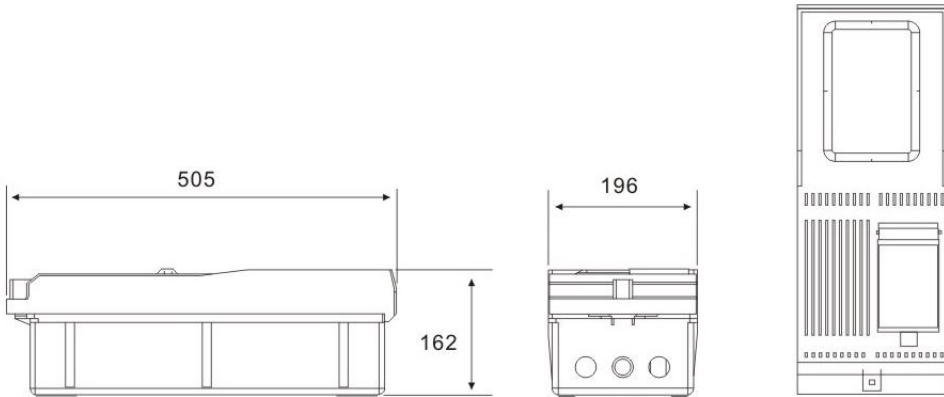


LCEB2

单相电表箱外形尺寸 Single phase meter box dimension

Specifications

Model Code	G.W.(kg)	Qty/Carton	Transparent window Dimension
Mechanical meter 2P	3.2	1	18.5*12.5cm
Intellectualized meter 2P	3.15	1	21*15.5cm



三相电表箱外形尺寸 Three phase meter box dimension

Specifications

Model Code	G.W.(kg)	Qty/Carton	Transparent window Dimension
Mechanical meter 4P	5.12	1	18.5*12.5cm
Intellectualized meter 4P	5.06	1	21*15.5cm

