CKDC1 CKDC2 Contactors







Code	CKDC1* 05	CKDC1* 09	CKDC1* 12	CKDC2* 09	CKDC2* 12	CKDC2* 16[a]	18	CKDC2* 23[a]	25	CKDC2* 30[a]	32	CKDC2* 37[a]	40
Rated current Ie max AC-3(A) 440V~,θ≤60℃	5	9	12	9	12	16	18	23	25	30	32	37	40
Rated current Ie AC-1(A) θ ≤40℃	20			32						65			
Mechanical durability (million of operating cycles)	12(operating frequency of 3600 times/h)												
Coil voltage	AC=24...600V,50/60Hz DC=12...250V			AC=24...600V,50/60Hz DC=9...250V						AC=24...600V,50/60Hz DC=9...250V			
Features	·35mm DIN-Rail installed or panel installed ·AC or DC coil control with the same size ·Made by environmental protection material ·Screw terminal			.35mm DIN-Rail installed or panel installed ·AC or DC coil control ·Reversing terminal of coil (power supply terminal or load side) ·Made by environmental protection material ·Screw terminal						·35mm DIN-Rail installed or panel installed ·AC or DC coil control ·Reversing terminal of coil (power supply terminal or load side) ·Made by environmental protection material ·Screw terminal			
contact	·3 main poles +1NO or 1NC built -in auxiliary contact ·4 main poles ·External auxiliary contact, Optional 2 poles or 4 poles			·3 main poles+1NO or 1NC built-in auxiliary contact ·4 main poles ·External auxiliary contact, front or side installation ·Optional 1 pole, 2 poles or 4 poles						·3 main poles ·External auxiliary contact, front or side installation ·Optional 1 pole, 2 poles or 4 poles			
Optional accessories	·Front installed auxiliary contact ·Surge suppressor ·Mechanical interlock			·Front or side installed auxiliary contact ·Surge suppressor ·Mechanical interlock						·Front or side installed auxiliary contact ·Surge suppressor ·Mechanical interlock			

Note: for choosing the accessory of model a, please indicate the current specifications, such as CKDC2A16, current 16A or CKDC2A16, current 18 A (the smaller current specification is the default value)

CKDC1 CKDC2 Contactors

CKDC1 CKDC2 Contactors







Code	CKDC2* 43	CKDC2* 50	CKDC2* 60[a]	65	CKDC2* 72[a]	80	CKDC2* 85[a]	95	CKDC2D 06	CKDC2D 09	CKDC2D 12	CKDC2D 18	CKDC2D 25	CKDC2D 32	CKDC2D 40
Rated current Ie max AC-3(A) 440V~,θ≤60℃	43	50	60	65	72	80	85	95	6	9	12	18	25	32	40
Rated current Ie AC-1(A) θ ≤40℃	85		100						32					40	50
Mechanical durability (million of operating cycles)	12(operating frequency of 3600 times/h)														
Coil voltage	AC=24...600V,50/60Hz DC=9...250V														
Features	·35mm DIN-Rail installed or panel installed ·AC or DC coil control ·Reversing terminal of coil (power supply terminal or load side) ·Made by environmental protection material ·Screw terminal														
contact	·3 main poles ·External auxiliary contact, front or side installation, ·Optional 1 pole, 2 poles or 4 poles														
Optional accessories	·Front or side installed auxiliary contact ·Surge suppressor ·Mechanical interlock														

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CKDC1 CKDC2 Contactors

Code and meaning

CKDC1 * 12 / XX F 1 1

- Number of N.O. auxiliary contact
- Number of N.C. auxiliary contact
- F front installed auxiliary contact
  S side installed auxiliary contact
- Coil voltage code
  (note: customer provides voltage and frequency, and the company determines the code)
- Rated current

05: 5A	37: 37/40A
09: 9A	43: 43/50A
12: 12A	60: 60/65A
16: 16/18A	72: 72/80A
23: 23/25A	85: 85/95A
30: 30/32A	

- Function code

A or D	3N.O.
B	3N.O.+1N.O. (auxiliary contact)
C	3N.O.+1N.C. (auxiliary contact)
H	4N.O.
J	3N.O.+1N.C.
K	2N.O.+2N.C.
P or R	6N.O.+2N.C. (auxiliary contact) reversing contactor
Q or V	6N.O.+2N.O.(auxiliary contact)+2 N.C. (auxiliary contact) reversing contactor

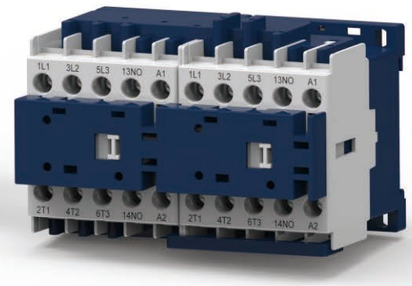
Note: D, R, V are applied to CKDC2 series, the main body uses three poles with widen pole pitch, and A, P and Q are applied to other products
CKDC1 5A-12A
CKDC2 9A-95A

Code		CKDC1	CKDC2
Rated insulation voltage	IEC UL, CSA	690V 600V	690V 600V
Rated impulse withstand voltage		6kA	8kA
Rated current	AC 50/60Hz DC	230,240,400,415,500,690V 24,48,110,220,440V	115,230,400,500,690V 24,48,110,220,440V
Insulation class of the coil		IEC60085 standard：class F	IEC60085 standard：class F
Ambient temperature	Storage temperature Operating temperature at rated voltage At 70°C	-55℃...+80℃ -25℃...+60℃ Current value is 15% lower than at 60℃	-55℃...+80℃ -25℃...+60℃ Current value is 15% lower than at 60℃
Climate tolerance		IEC 60068-2	IEC 60068-2
Ma. altitude of Insallation site		2000m,According to IEC 60947-4	2000m,According to IEC 60947-4
Protection class of auxiliary contact		IP2X	IP2X
Preventing accidental contact		According to VDE 0106 part 100 Preventing finger touch and back of hand contact	According to VDE 0106 part 100 Preventing finger touch and back of hand contact
Resistance to shock		IEC 60068-2	IEC 60068-2-27
Resistance to vibration		IEC 60068-2	IEC 60068-2-6

CKDC1 Mini Contactors



3 poles /4 poles mini AC contactor
CKDC1*05...*12



3 poles mini Reversing AC contactor
CKDC1P05...Q12

Description

CKDC1 contactors are designed to be used for commercial lighting, industrial equipment, compact space, with smaller volume required by IEC product.

·AC and DC has the same size
·AC or DC coill control
·Full voltage with phase-change and without phase-change contactor
·5A, 9A and 12A contactors at rated voltage of 690V
·IP2X touch proof protection
·Integrated surge suppressor
·Reliable operation, less consumption and small noise of electromagnetic loop
·Ambient temperature: - 25℃ to + 60℃

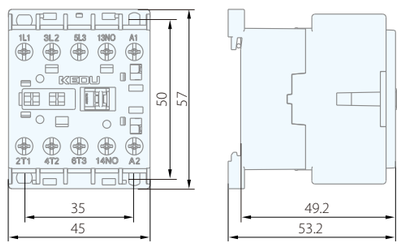
Coil voltage code

AC voltage(V)	24	110	120	230	240	400	480	600
50Hz	—	12	—	—	—	—	—	—
60Hz	—	—	12	—	—	—	33	37
50/60Hz	05	—	—	00	27	31	—	—

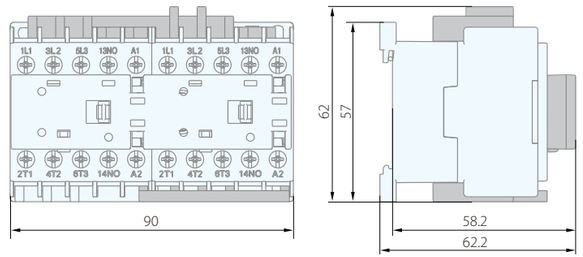
DC voltage(V)	12	24	110	125	220	250
Standard	52	54	69	73	75	79
With diode	—	55	—	—	—	—

Reference size

CKDC1A...CKDC1K



CKDC1P...CKDC1Q



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CKDC1 Mini Contactors

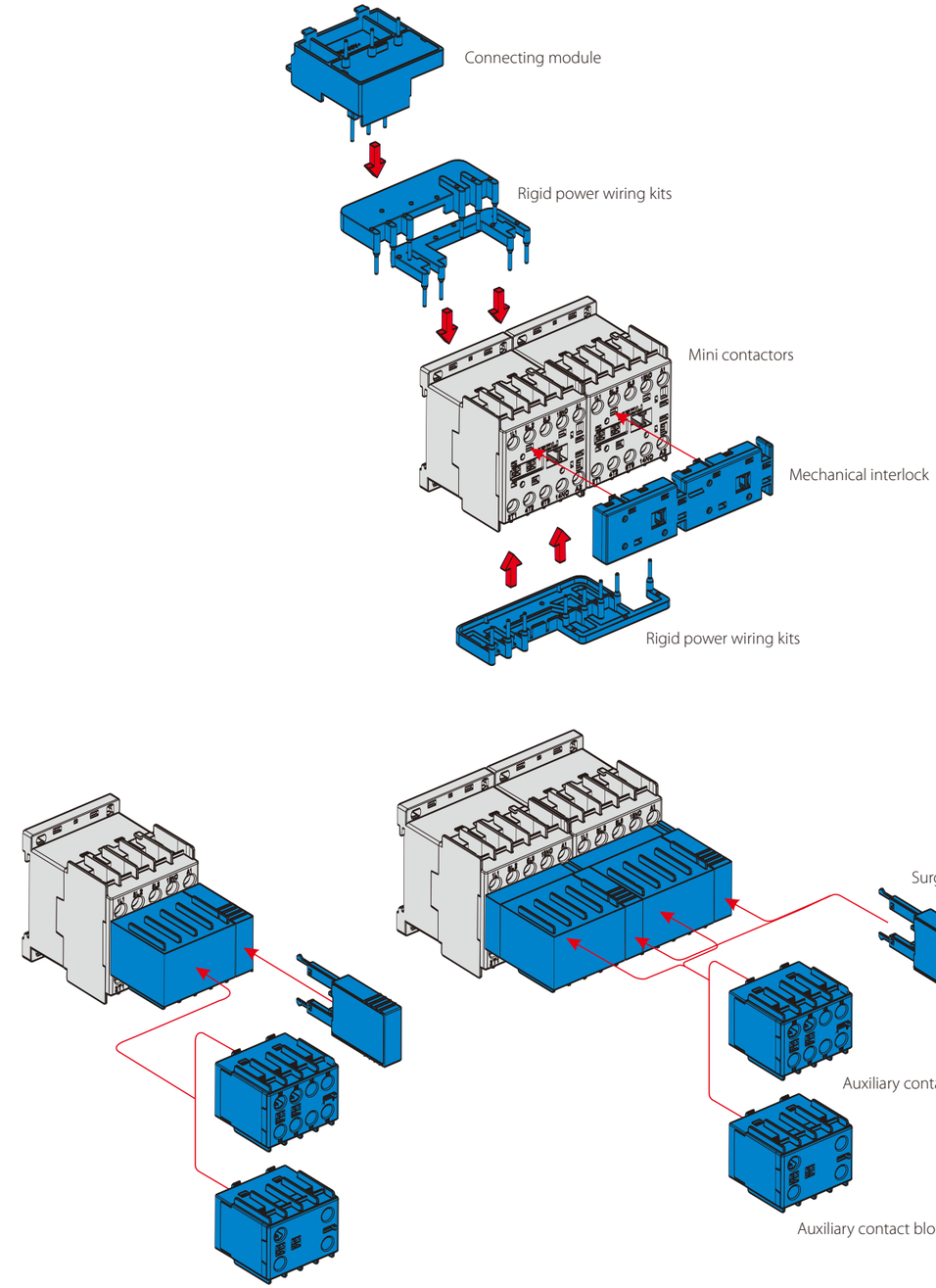
3P mini contactor			4P mini contactor			Positive &negative rotation contactor		
	Auxiliary contact			Main contact			Auxiliary contact	
Code	N.O.	N.C.	Code	N.O.	N.C.	Code	N.O.	N.C.
CKDC1B05/XX	1	0	CKDC1H05/XX	4	0	CKDC1P05/XX	0	1
CKDC1C05/XX	0	1	CKDC1J05/XX	3	1	CKDC1P09/XX	0	1
CKDC1B09/XX	1	0	CKDC1K05/XX	2	2	CKDC1P12/XX	0	1
CKDC1C09/XX	0	1	CKDC1H09/XX	4	0			
CKDC1B12/XX	1	0	CKDC1J09/XX	3	1			
CKDC1C12/XX	0	1	CKDC1K09/XX	2	2			
			CKDC1H12/XX	4	0			
			CKDC1J12/XX	3	1			
			CKDC1K12/XX	2	2			

	CKDC1*05		CKDC1*09		CKDC1*12	
Load type	Three-phase kW(50Hz)※ voltage(V~)	Current/power	Three-phase kW(50Hz)※ voltage(V~)	Current/power	Three-phase kW(50Hz)※ voltage(V~)	Current/power
AC-1	690V	20A	690V	20A	690V	20A
AC-3	230/240V	5A/1.5kW	230/240V	9A/3kW	230/240V	12A/3kW
	400/415V	5A/2.2kW	400/415V	9A/4kW	400/415V	12A/5.5kW
AC-2/AC-3/AC-4	230/240V	6.3A/1.5kW	230/240V	11.3A/3kW	230/240V	12A/3kW
	400/415V	5A/2.2kW	400/415V	9A/4kW	400/415V	12A/5.5kW
	500V	3.9A/2.2kW	500V	6.8A/4kW	500V	9.2A/5.5kW
	690V	2.8A/2.2kW	690V	4.9A/4kW	690V	6.7A/5.5kW
AC-8a	230/240V	15A/4kW	230/240V	20A/5.5kW	230/240V	20A/5.5kW
	400/415V	13A/6.3kW	400/415V	17A/8.3kW	400/415V	20/10AkW
	500V	11A/6.3kW	500V	14A/8.3kW	500V	16A/10kW
	690V	8A/6.3kW	690V	10A/8.3kW	690V	12A/10kW
AC-8b	230/240V	5A/1.5kW	230/240V	8A/2.2kW	230/240V	12A/3.7kW
	400/415V	4A/2kW	400/415V	6A/3kW	400/415V	10A/5kW
	500V	3.5A/2kW	500V	5A/3kW	500V	8A/5kW
	690V	2.5A/2kW	690V	3.5A/3kW	690V	6A/5kW
Hp(60Hz)	AC-2, AC-3, AC-4		AC-2, AC-3, AC-4		AC-2, AC-3, AC-4	
	Single-phase voltage / Hp	Three-phase voltage / Hp	Single-phase voltage / Hp	Three-phase voltage / Hp	Single-phase voltage / Hp	Three-phase voltage / Hp
	115V / 1/2	200V / 1-1/2	115V / 1/2	200V / 2	115V / 3/4	200V / 3
	230V / 1	230V / 1-1/2	230V / 1-1/2	230V / 2	230V / 2	230V / 3
		460V / 3		460V / 5		460V / 7-1/2
		575V / 3		575V / 5		575V / 7-1/2

Note: 1. The three-phase parameter value is only applicable to the contactor with at least 3 poles of N.O. main contacts

2. XX in the Table means the coil voltage code, which can be chosen from Table [coil voltage code]

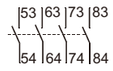
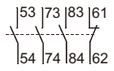
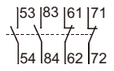
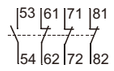
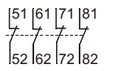
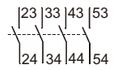
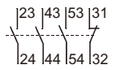
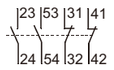
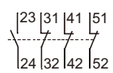
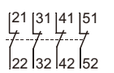
CKDC1 Accessories



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CKDC1 Accessories

Auxiliary contact blocks

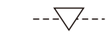
Configuration chart	Code and circuit diagram		
Auxiliary contacts blocks (2P) 	 CKDC1FA20	 CKDC1FA11	 CKDC1FA02
	 CKDC1FC20	 CKDC1FC11	 CKDC1FC02
Auxiliary contacts blocks (4P) 	 CKDC1FA40	 CKDC1FA31	 CKDC1FA22
	 CKDC1FA13	 CKDC1FA04	
	 CKDC1FC40	 CKDC1FC31	 CKDC1FC22
	 CKDC1FC13	 CKDC1FC04	

Surge suppressors

Configuration chart	Code	Parameters	Circuit diagram
CKDC1SV136 	CKDC1SC50 CKDC1SC280 CKDC1SC480	AC 24...48V AC 110...280V AC 380...480V	RC capacity resistance module AC control voltage 
	CKDC1SC55	AC 12...55V DC 12...77V	Piezoresistor module AC/DC control voltage 
	CKDC1SV136	AC 56...136V DC 78...180V	
	CKDC1SV277	AC 137...277V DC 181...250V	
	CKDC1SD250	DC 12...250V	Diode module DC control voltage 

CKDC1 Accessories

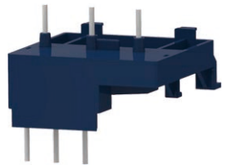
Mechanical interlock

Configuration chart	Code	Description
	CKDC1MCH	.For interlocking of two adjacent contactors ·No additional installation width ·Front mount plug-in type ·Auxiliary contact blocks and suppressor blocks mount onto the interlock module (above) Circuit diagram 

Rigid power wiring kits

Configuration chart	Code	Description
 	CKDC1PR	For Reversing contactor combination

Connection module

Configuration chart	Code	Description
	CKDC1PEC12	Used for electrical and mechanical connections between CKDD1 - A1.. A3 series circuit breakers and CKDC1 series contactors.

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CKDC2 Contactors



Description

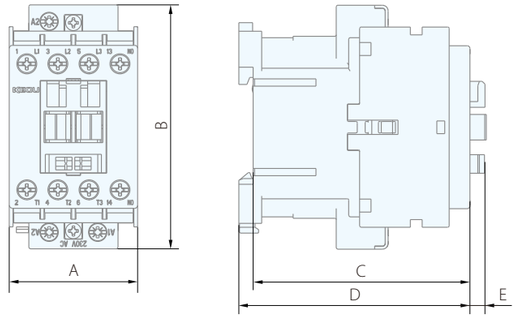
.Combination sizes... 50 kW / 5... 60 Hp (9... 95 A)
·AC, DC coil control
·Accessories for all contactor sizes
·Front and side-installed auxiliary contacts
·Coil installed control modules with space saving
·Reversible coil terminations (power line or load side)
·All equipments can be mounted on 35 mm DIN-Rail

Standard

.EN/IEC 60947-4-1, 60947-5-1
·IEC 60947 type"2"
·UL 508

Reference size

CKDC2



AC coil

Code	size(mm)				
	A	B	C	D	E
CKDC2*09...23	45	85.5	76	81	6
CKDC2*30...37	45	85.5	93	98	6.5
CKDC2*43...50	54	85.5	95.5	100.5	6.5
CKDC2*60...85	72	127	113	118.5	7
CKDC2D06...D40	45	85.5	76	81	6.4

DC coil

Code	size(mm)				
	A	B	C	D	E
CKDC2*09...16	45	85.5	101.5	106.5	6

CKDC2 Contactors

CKDC2 Contactors

Table 1

3P contactors			4P contactors			Reversing contactors		
Code	Auxiliary contact		Code	Main contact		Code	Auxiliary contact	
	N.O.	N.C.		N.O.	N.C.		N.O.	N.C.
CKDC2B09/XX	1	0	CKDC2H09/XX	4	0	CKDC2Q09/XX	1	1
CKDC2C09/XX	0	1	CKDC2J09/XX	3	1	CKDC2Q12/XX	1	1
CKDC2B12/XX	1	0	CKDC2K09/XX	2	2	CKDC2Q16/XX	1	1
CKDC2C12/XX	0	1	CKDC2H12/XX	4	0	CKDC2Q23/XX	1	1
CKDC2B16/XX	1	0	CKDC2J12/XX	3	1	CKDC2P30/XX	0	1
CKDC2C16/XX	0	1	CKDC2K12/XX	2	2	CKDC2Q30/XX	1	1
CKDC2B23/XX	1	0	CKDC2H16/XX	4	0	CKDC2P37/XX	0	1
CKDC2C23/XX	0	1	CKDC2J16/XX	3	1	CKDC2Q37/XX	1	1
CKDC2A30/XX	0	0	CKDC2K16/XX	2	2			
CKDC2B30/XX	1	0	CKDC2H23/XX	4	0			
CKDC2C30/XX	0	1	CKDC2J23/XX	3	1			
CKDC2A37/XX	0	0	CKDC2K23/XX	2	2			
CKDC2B37/XX	1	0						
CKDC2C37/XX	0	1						

Table 2

3P contactors			Reversing contactors		
Code	Auxiliary contact		Code	Auxiliary contact	
	N.O.	N.C.		N.O.	N.C.
CKDC2A43/XX	0	0			
CKDC2B43/XX	1	0	CKDC2P43/XX	0	1
CKDC2C43/XX	0	1	CKDC2Q43/XX	1	1
CKDC2A60/XX	0	0	CKDC2P60/XX	0	1
CKDC2B60/XX	1	0	CKDC2Q60/XX	1	1
CKDC2C60/XX	0	1	CKDC2P72/XX	0	1
CKDC2A72/XX	0	0	CKDC2Q72/XX	1	1
CKDC2B72/XX	1	0	CKDC2P85/XX	0	1
CKDC2C72/XX	0	1	CKDC2Q85/XX	1	1
CKDC2A85/XX	0	0			
CKDC2B85/XX	1	0			
CKDC2C85/XX	0	1			

Note: 1. XX in the Table means the coil voltage code, which can be chosen from Table [coil voltage code]

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CKDC2 Contactors

Coil voltage code

the codes in Table 1 and Table 2 are incomplete, please choose a coil voltage code from the below table to make the codes completely, for example, the product code CKDC2B09/XX at 120V, 60 Hz shall be changed to CKDC2B09/12.

AC Voltage(V)	12	24	32	36	42	48	100	100-110	110	120	127	200	200-220	208	208-240	220-230	230	230-240	240	277	347	380	380-400	400	400-415	440	480	500	550	600
50Hz	01	03	06	07	08	09	11	–	12	14	15	16	17	–	–	21	–	24	25	–	–	–	30	–	32	33	–	36	37	–
60Hz	02	04	–	06	–	08	–	11	–	12	–	–	16	19	20	–	–	–	26	25	28	29	–	–	–	30	33	–	–	37	
50/60Hz	–	05	–	–	–	10	11	–	13	–	–	16	18	–	–	18	00	–	27	–	–	–	–	31	–	35	–	–	–	–	

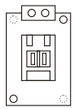
DC Voltage(V)		9	12	24	36	48	60	64	72	80	110	115	125	220	230	250
CKDC2*09...Q50	Standard	50	52	54	57	59	61	63	65	67	69	71	73	75	77	79
	With Integrate diode	–	–	55	–	–	–	–	–	–	–	–	–	–	–	–
	Electronic components With Integrate diode	–	–	56	–	–	–	–	–	–	–	–	–	–	–	–
CKDC2*60...85	With Integrate diode	51	53	55	58	60	62	64	66	68	70	72	74	76	78	80

Coil terminal position

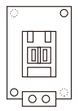
.When in delivery, the coil terminal of all contactors shall be located in the power line side.

.If the coil terminal is required to be located at the load side,please add "U" after the voltage code.

Ordering example: product code: CKDC2B09/00 U.



CKDC2B09/00
Power Line Side



CKDC2B09/00U
Load Side

CKDC2 Contactors

CKDC2 Contactors

Load type	Three-phase kW(50Hz)※ voltage(V~)	current / power				
		CKDC2*09	CKDC2*12	CKDC2*16	CKDC2*23	CKDC2*30
AC-1	690V	32A	32A	32A	32A	65A
AC-3	230/240V	9A/2.2kW	12A/3kW	16A/4kW	23A/5.5kW	30A/7.5kW
	400/415V	9A/4kW	12A/5.5kW	16A/7.5kW	23A/11kW	30A/15kW
	400/440V			18A/8kw	25A/12kw	32A/16.5kw
AC-2/AC-3/AC-4	230/240V	12A/3kW	15A/4kW	20A/5.5kW	26.5A/7.5kW	35A/10kW
	400/415V	9A/4kW	12A/5.5kW	16A/7.5kW	23A/11kW	30A/15kW
	500V	7A/4kW	10A/5.5kW	14A/7.5kW	20A/13kW	25A/15kW
	690V	5A/4kW	7A/5.5kW	9A/7.5kW	12A/10kW	18A/15kW
AC-8a	230/240V	16A/4kW	20A/5.5kW	25A/6.3kW	32A/7.5kW	55A/15kW
	400/415V	12A/5.5kW	15A/6.3kW	22A/10kW	32A/13kW	38A/15kW
	500V	8A/4kW	9.5A/5.5kW	14A/7.5kW	20A/11kW	28A/15kW
	690V	8A/6.3kW	9.5A/7.5kW	14A/10kW	20A/15kW	28A/20kW
AC-8b	230/240V	12A/3kW	15A/4kW	20A/5.5kW	23A/5.5kW	25A/6.3kW
	400/415V	7A/3kW	10A/5.5kW	14A/6.3kW	18A/7.5kW	20A/10kW
	500V	5.5A/3kW	7A/4kW	9.5A/5.5kW	12A/6.3kW	13A/7.5kW
	690V	5.5A/4kW	7A/5.5kW	9.5A/7.5kW	12A/7.5kW	13A/10kW
Hp(60Hz)	AC-2/AC-3/ AC-4					
	Voltage	Hp	Hp	Hp	Hp	Hp
	Single-phase 115V	1/2	1/2	1	2	2
	Single-phase 230V	1-1/2	2	3	3	5
	Three-phase 200V	2	3	5	5	7-1/2
	Three-phase 230V	2	3	5	7-1/2	10
	Three-phase 460V	5	7-1/2	10	15	20
	Three-phase 575V	7-1/2	10	15	15	25

Note: 1. The three-phase parameter value is only applicable to the contactors with at least 3 poles of N.O. main contacts

Load type	Three-phase kW(50Hz)※ voltage(V~)	current / power				
		CKDC2D06	CKDC2D09	CKDC2D12	CKDC2D18	CKDC2D25
AC-1	230/240V	32A/13kW	32A/13kW	32A/13kW	32A/13kW	32A/13kW
	400/415V	32A/22kW	32A/22kW	32A/22kW	32A/22kW	32A/22kW
	500V	32A/28kW	32A/28kW	32A/28kW	32A/28kW	32A/28kW
	690V	32A/38kW	32A/38kW	32A/38kW	32A/38kW	32A/38kW
AC-2/AC-3	230/240V	9A/2.2W	9A/2.2kW	15A/4kW	15A/4kW	30A/7.5kW
	400/415V	6A/2.2kW	6A/2.2kW	12A/5.5kW	12A/5.5kW	25A/11kW
	500V	5A/3kW	5A/3kW	10A/5.5kW	10A/5.5kW	22A/13kW
	690V	4A/3kW	4A/3kW	7A/5.5kW	7A/5.5kW	16A/13kW
AC-4	230/240V	9A/2.2kW	9A/2.2kW	15A/4kW	15A/4kW	32A/7.5kW
	400/415V	6A/2.2kW	6A/2.2kW	12A/5.5kW	12A/5.5kW	25A/11kW
	500V	5A/3kW	5A/3kW	10A/5.5kW	10A/5.5kW	22A/13kW
	690V	4A/3kW	4A/3kW	7A/5.5kW	7A/5.5kW	16A/13kW
AC-8a	230/240V	12A/3kW	12A/3kW	20A/5.5kW	20A/5.5kW	32A/7.5kW
	400/415V	9A/4kW	9A/4kW	15A/6.3kW	15A/6.3kW	32A/13kW
	500V/690V	6A/4kW	6A/4kW	9.5A/5.5kW	9.5A/5.5kW	20A/11kW
AC-8b	230/240V	6A/1.5kW	6A/1.5kW	12A/2.2kW	12A/2.2kW	14A/3kW
	400/415V	4A/1.5kW	4A/1.5kW	10A/4kW	10A/4kW	10A/4kW
	500V/690V	4A/2.2kW	4A/2.2kW	7A4/kW	7A4/kW	8A/4kW

Note: 1. The three-phase parameter value is only applicable to the contactors with at least 3 poles of N.O. main contacts

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CKDC2 Contactors

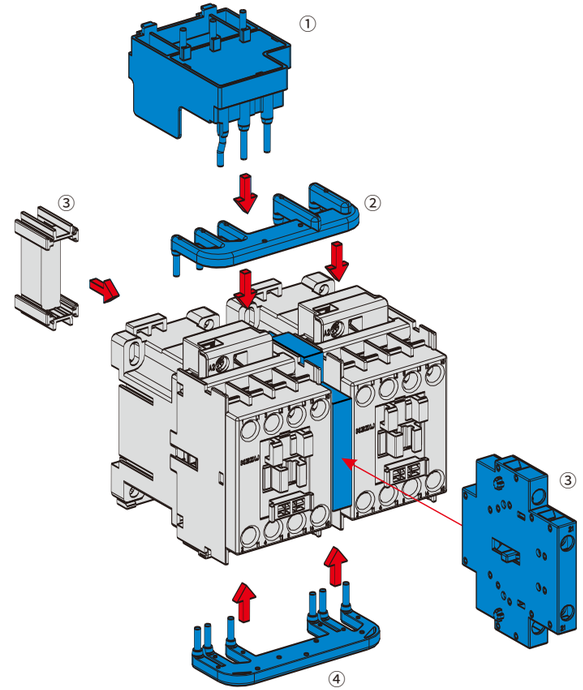
Load type	Three-phase kW(50Hz)※ voltage(V~)		current / power					
			CKDC2*37	CKDC2*43	CKDC2*50	CKDC2*60	CKDC2*72	CKDC2*85
AC-1	690V		65A	85A	85A	100A	100A	100A
AC-3	230/240V		37A/11kW	43A/13kW	50A/15kW	60A/17kW	72A/21kW	85A/24kW
	400/415V		37A/20kW	43A/22kW	50A/25kW	60A/32kW	72A/40kW	85A/45kW
	400/440V		40A/22kW	65A/35kW	50A/15kW		80A/40kW	95A/50kW
AC-2/AC-3/AC-4	230/240V		38A/11kW	44A/13kW	50A/15kW	62A/18.5kW	72A/22kW	85A/25kW
	400/415V		37A/20kW	43A/22kW	50A/25kW	60A/32kW	72A/40kW	85A/45kW
	500V		30A/20kW	38A/25kW	45A/30kW	55A/37kW	67A/45kW	80A/55kW
	690V		21A/18.5kW	25A/22kW	30A/25kW	34A/32kW	42A/40kW	49A/45kW
AC-8a	230/240V		65A/17kW	85A/22kW	68A/20kW	80A/23kW	90A/26kW	100A/28kW
	400/415V		45A/20kW	63A/28kW	60A/30kW	72A/37kW	85A/42kW	100A/47kW
	500V		35A/20kW	42A/23kW	60A/30kW	72A/43kW	85A/52kW	100A/59kW
	690V		35A/25kW	42A/32kW	45A/36kW	56A/45kW	67A/56kW	80A/65kW
AC-8b	230/240V		30A/7.5kW	34A/8.5kW	27A/9kW	44A/13kW	56A/15kW	59A/17kW
	400/415V		23A/10kW	26A/11kW	22A/13kW	40A/20kW	52A/26kW	59A/30kW
	500V		14A/7.5kW	16A/9kW	18A/13kW	33A/20kW	43A/26kW	49A/30kW
	690V		14A/10kW	16A/12kW	16A/15kW	24A/20kW	30A/26kW	35A/30kW
Hp(60Hz)	AC-2/AC-3/ AC-4							
	Voltage		Hp	Hp		Hp	Hp	Hp
	Single-phase	115V	3	3		5	5	7-1/2
		230V	5	7-1/2		10	15	15
	Three-phase	200V	10	10		15	20	25
		230V	10	15		20	25	30
		460V	25	30		40	50	60
		575V	30	30		50	60	60

Note: 1. The three-phase parameter value is only applicable to the contactors with at least 3 poles of N.O. main contacts

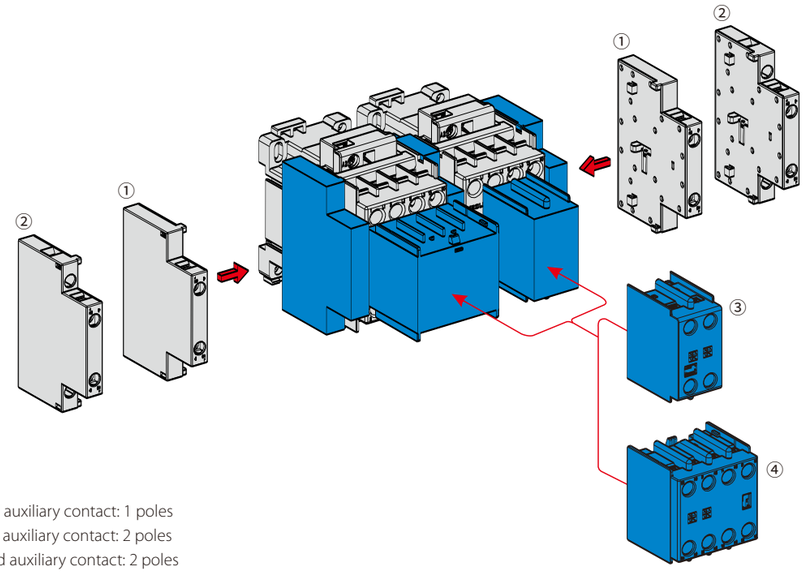
Load type	Three-phase kW(50Hz)※ voltage(V~)	current / power	
		CKDC2D32	CKDC2D40
AC-1	690V	40A/30kW	50A/37kW
AC-2/AC-3	230/240V	32A/7.5kW	40A/11kW
	400/415V	32A/15kW	40A/18.5kW
	500V	25A/15kW	32A/18.5kW
	690V	18A/15kW	25A/18.5kW
AC-4	230/240V	32A/7.5kW	40A/11kW
	400/415V	32A/15kW	40A/18.5kW
	500V	25A/15kW	32A/18.5kW
	690V	18A/15kW	25A/18.5kW
AC-8a	230/240V	40A/13kW	45A/11kW
	400/415V	40A/18.5kW	45A/22kW
	500V/690V	32A/18.5kW	40A/22kW
	690V	25A/18.5kW	
AC-8b	230/240V	20A/4kW	25A/18.5kW
	400/415V	16A/5.5kW	18A/4kW
	500V/690V	9A/5.5kW	12A/5.5kW

Note: 1. The three-phase parameter value is only applicable to the contactors with at least 3 poles of N.O. main contacts

CKDC2 Accessories



① Connecting module
② Rigid power wiring kits
③ Mechanical interlock
④ Rigid power wiring kits



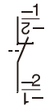
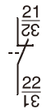
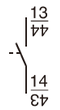
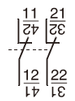
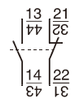
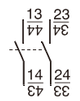
① Side installed auxiliary contact: 1 poles
② Side installed auxiliary contact: 2 poles
③ Front installed auxiliary contact: 2 poles
④ Front installed auxiliary contact: 4 poles

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CKDC2 Accessories

Side installed auxiliary contact

.1 or 2 poles
·Installed at both left and right sides, two sets of serial number
·Convenient installation without tools
·Contacts compatible down to 17 V and 10 mA
·Contactor width increases to 9 mm

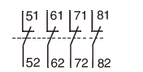
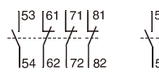
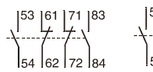
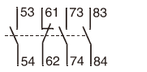
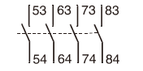
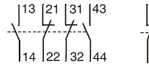
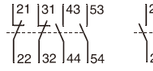
Description	Circuit diagram
 1P terminal markings without sequence	 CKDC2SA01  CKDC2SA10
 2P terminal markings without sequence	 CKDC2SA02  CKDC2SA11  CKDC2SA20
 1P terminal markings with sequence	 CKDC2SB01  ※ CKDC2SB10
 2P terminal markings with sequence	 ※ CKDC2SB02  ※ CKDC2SB11  ※ CKDC2SB20

Note:
1.Maximum number of auxiliary contacts
2.※Double number - left side installed contact with double number is only limited to codes CKDC2B09... Q23
3.AC contactor coil
Front installed N.O. (Max. 4)
Side installed N.O. (Max. 2)
Four front installed or side installed N.C. (6 total)

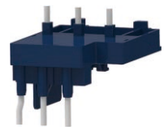
4. DC coil contactor
Four front installed N.O.
Two side installed N.O.
Four front installed or side installed N.C. (4 total)

CKDC2 Accessories

CKDC2 Accessories

Description	Circuit diagram
Front installed auxiliary contact .2 poles ·Convenient installation without tools ·Contact compatible down to 17V and 15 mA ·Mechanical connection between N.O, N.C. pole and the main contact ·With the same function, module provides a variety of optional terminal markings ·Split type conversion to the minimum of 8V and 5 mA	  CKDC2FA02  CKDC2FA11  CKDC2FA20  CKDC2FB02  CKDC2FB11  CKDC2FB20  CKDC2FC11
Front installed auxiliary contact .4 poles ·Convenient installation without tools ·Contact compatible down to 17V and 15 mA ·Mechanical connection between N.O, N.C. pole and the main contact ·With the same function, modules provides a variety of optional terminal markings ·Split type conversion to the minimum of 8V and 5 mA	  CKDC2FA04  CKDC2FA13  CKDC2FA22  CKDC2FA31  CKDC2FA40  CKDC2FB22  CKDC2FC22  CKDC2FC31

Description	Code	Applied to
Reversing rigid power wiring kits Used for reversing connections with solid or thermal overload relay  	CKDC2PW23 CKDC2PW37 CKDC2PW43 CKDC2PW85	CKDC2*09...23 CKDC2*30...37 CKDC2*43...50 CKDC2*60...85

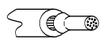
Description	Code	Applied to	Quantity of DIN-Rail
Connecting module Used for electrical connection between CKDC2 series contactor and CKDD1 series motor circuit breaker 	CKDC2PEC23	CKDD1-A1...A3 and CKDC2*09...23	1
	CKDC2PNH37	CKDD1-A6...A8 and CKDC2*30...37	2
	CKDC2PNH43	CKDD1-B and CKDC2*43...50	2

Description	Code	Circuit diagram
Mechanical interlock Used for interlock of two contactors Can realize interlock of different specifications, by the integrated auxiliary contact, The mechanical and electric interlock can be implemented in a module, including 9 mm connection piece. Applied to: CKDC2 contactor width increases to 9 mm 	CKDC2MCA00 Only mechanical type, no auxiliary contact	
	CKDC2MCA02 Mechanical and electric type With 2N. C. auxiliary contacts	

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CKDC1 CKDC2 terminals

Technical parameters of CKDC1 and CKDC2 terminals

Code		CKDC1	CKDC2D06...40 CKDC2*09-23	CKDC2*30...43		CKDC2*60...85
Terminal type of main contact						
Conductor cross section 	1×conductor [mm²]	0.75...2.5	1...6	2.5...10	2.5...16	2.5...35
	2×conductor [mm²]	0.75...2.5	1...6	2.5...10	2.5...10	2.5...25
	1×conductor [mm²]	1...4	1.5...10	2.5...16	2.5...25	2.5...50
	2×conductor [mm²]	1...2.5+1...4	1.5...10	2.5...16	2.5...16	2.5...35
UL/CSA cross section	[AWG]	18...12	16...8	14...4	14...6 / 14...4	14...1
Recommended torque	[N·m] [lb-in]	1.2 10.6	1.5...2.5 13.3...2.2	2.5...3.5 22...31	2.5...3.5 22...31	3.5...6 31...53

Technology parameters of CKDC1 and CKDC2 auxiliary contacts and auxiliary contact module

			CKDC1		CKDC2		
Conversion of AC load			Internal	Front installed	Internal	Front installed	Side installed
AC-12 Ith	At 40℃	[A]	10	10	20	10	10
	At 40℃	[A]	6	6	20	6	6
AC-15	24V	[A]	6	3	10	6	6
	42/48V	[A]	6	3	10	6	6
	120V	[A]	6	3	10	6	6
	230V	[A]	3	2	10	5.5	5.5
	240V	[A]	3	2	10	5	5
	400V	[A]	1.8	1.2	6	3	3
	415V	[A]	1.8	1.2	6	3	3
	500V	[A]	1.4	1.0	2.5	1.6	1.6
	690V	[A]	1.0	0.6	1	1	1

CKDC1 CKDC2 Contactors

Electrical life according to actual application following IEC60947 standard.

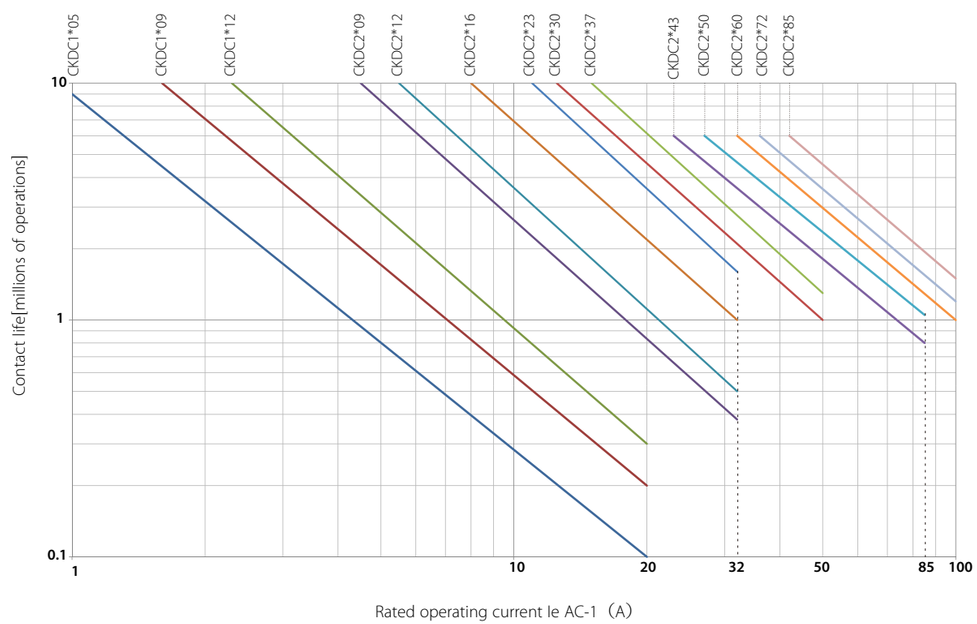
Typical applications			Making			Breaking		
			I/I_e	U/U_e	$\cos\phi$	I/I_e	U/U_e	$\cos\phi$
AC-1	Resistance Furnaces: Non inductive or slightly inductive loads		1	1	0.95	1	1	0.95
AC-2	Slip-ring motors: Starting and reversing		2.5	1	0.65	2.5	1	0.65
AC-3	Squirrel-cage motors: Starting and stopping of running motors	I_e≤17A I_e>17A	6 6	1 1	0.65 0.35	1 1	0.17 0.17	0.65 0.35
AC-4	Squirrel-cage motors: Starting, plugging*, inching※	I_e≤17A I_e>17A	6 6	1 1	0.65 0.35	6 6	1 1	0.65 0.35

I_e Rated operational current
U_e Ratde voltage
U_r Recovery voltage
I Making Current
I/I_e Breaking Current
U Off-load voltage

* Plugging is understood as stopping or reversing the motor rapidly by reversing motor primary connections while the motor is running.
※ Inching (jogging)is understood as energizing a motor once or repeatedly for short periods to obtain small movements of the driven mechanism.

AC-1 Load type

Chosen according to the required electrical life, type AC-1 (Ue ≤440V)

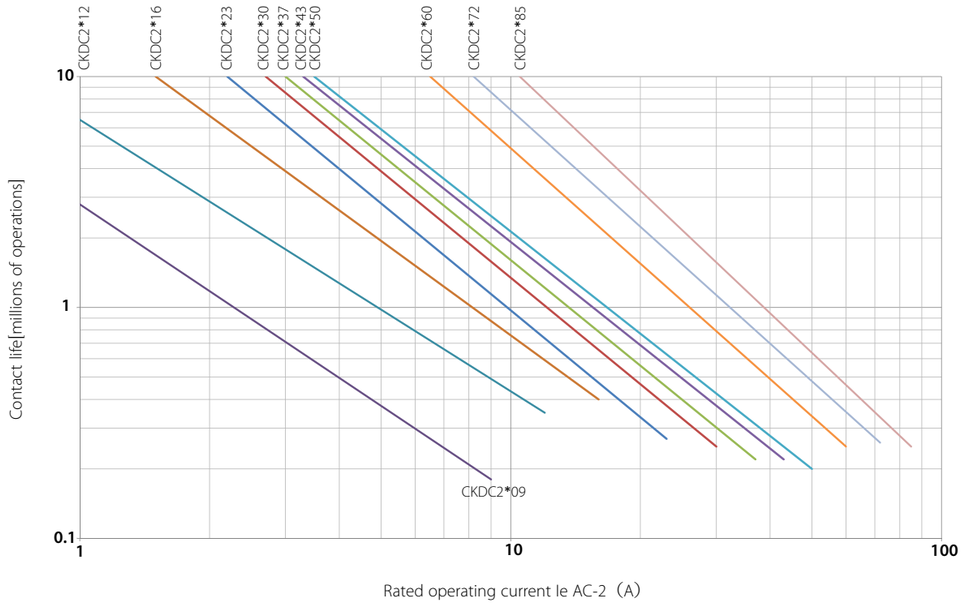


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CKDC1 CKDC2 Contactors

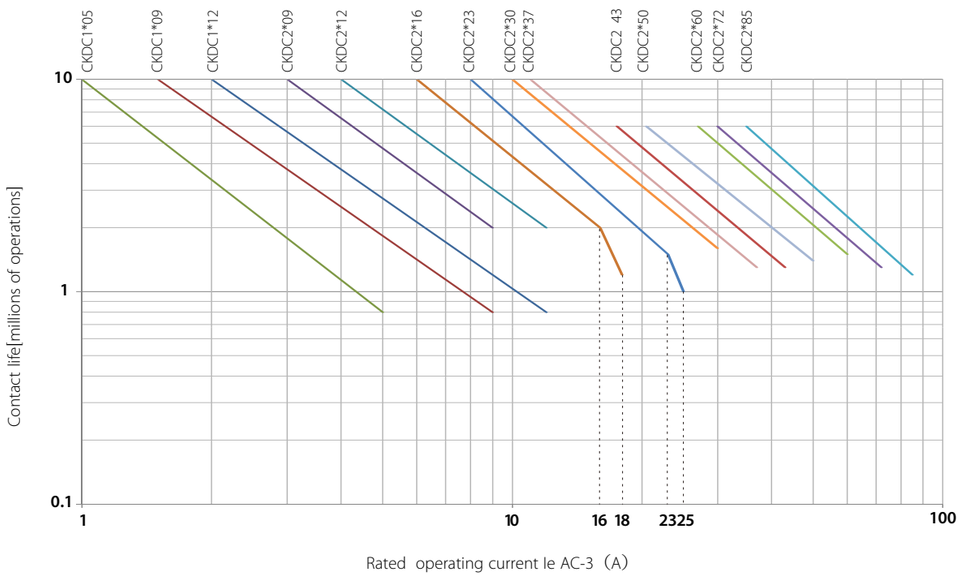
AC-2 Load type

Chosen according to the required electrical life, type AC- 2 (Ue ≤440V)



AC-3 Load type

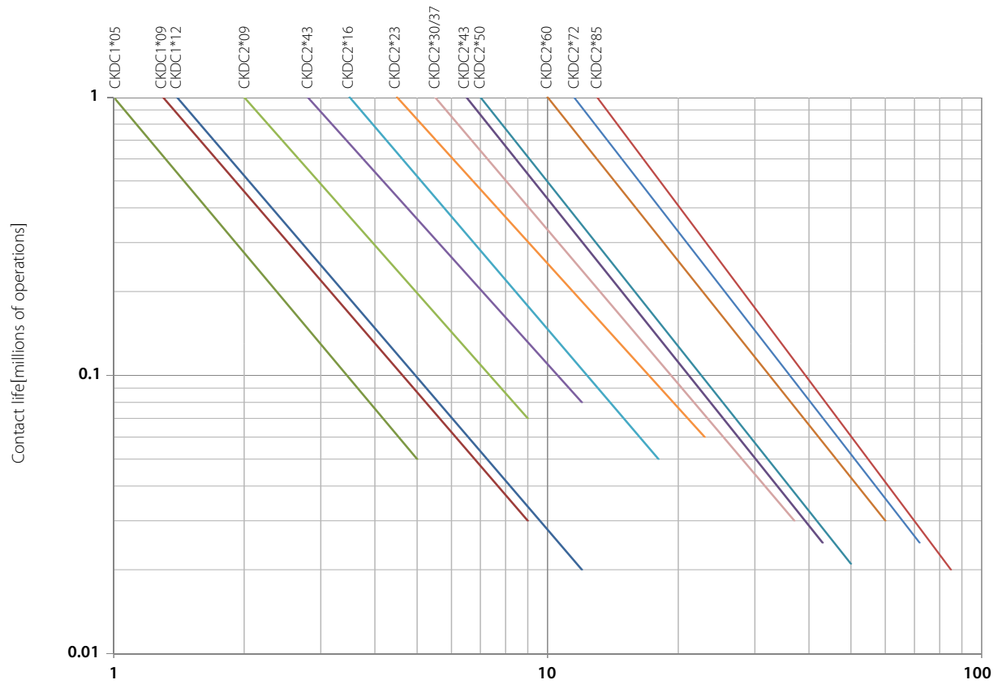
Chosen according to the required electrical life, type AC-3(Ue ≤ 440V)



CKDC1 CKDC2 Contactors

AC-4 Load type

Chosen according to the required electrical life, type AC-4(Ue ≤ 440V)



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