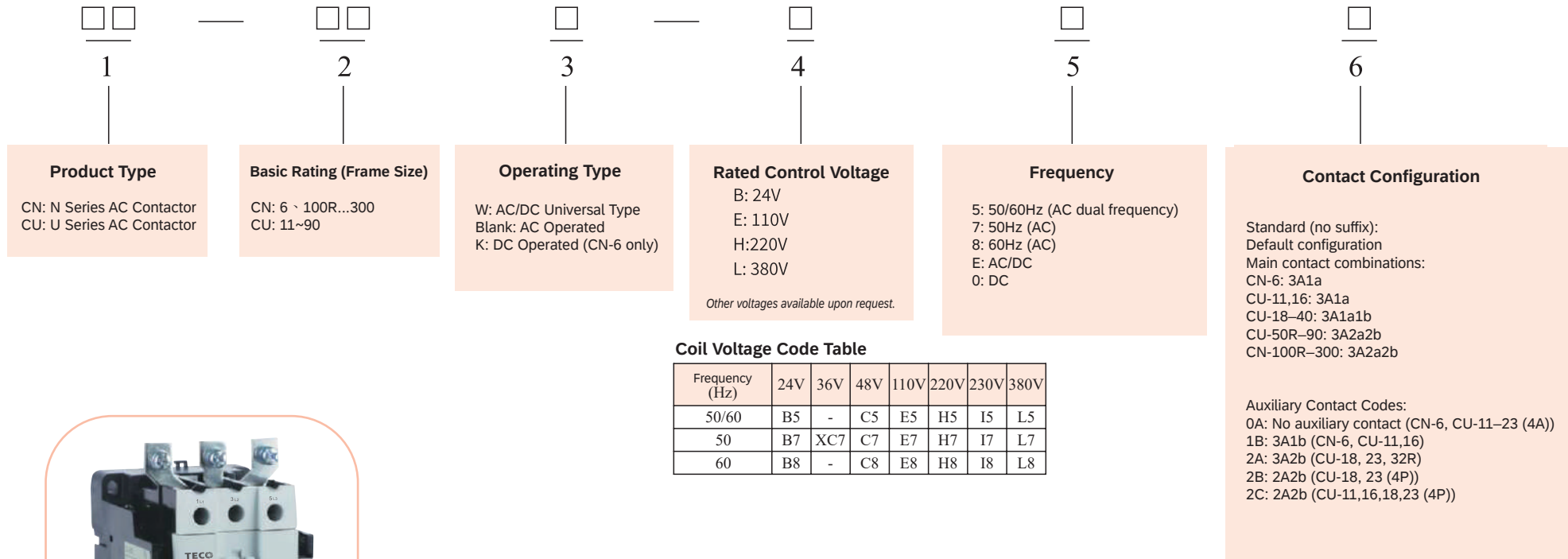


AC Contactor (CN/CU Series)

Model Designation



Coil Voltage Code Table

Frequency (Hz)	24V	36V	48V	110V	220V	230V	380V
50/60	B5	-	C5	E5	H5	I5	L5
50	B7	XC7	C7	E7	H7	I7	L7
60	B8	-	C8	E8	H8	I8	L8



Example:
CU-80-H5
CU series AC contactor, frame size 80, coil voltage 220V, 50/60Hz dual frequency, contact configuration: standard 3A2a2b.

Certificates

Catalog Number	UL	EC Declaration of conformity	TUV	CCC
Miniature Contactors				
CN-6	▲	▲	▲	▲
CNL-6	▲	▲	▲	-
U Series IEC Contactors				
CU-9	▲	▲	▲	▲
CU-11	▲	▲	▲	▲
CU-16	▲	▲	▲	▲
CU-18(3P)	▲	▲	▲	▲
CU-18(4P)	▲	▲	-	▲
CU-23(3P)	▲	▲	▲	▲
CU-23(4P)	▲	▲	-	-
CU-32R	▲	▲	▲	▲
CU-38	▲	▲	▲	▲
CU-40	▲	▲	▲	▲
CU-50R	▲	▲	▲	▲
CU-65R	▲	▲	▲	▲
CU-80	▲	▲	▲	▲
CU-90	▲	▲	▲	▲
CUL-9	▲	▲	▲	-
CUL-11	▲	▲	▲	-
CUL-16	▲	▲	▲	-
CUL-18	▲	▲	▲	-
CUL-23	▲	▲	▲	-
CUL-32R	▲	▲	-	-
CUL-38	▲	▲	▲	-
CUL-40	▲	▲	▲	-
CUL-50R	▲	▲	-	-
CUL-65R	▲	▲	-	-
CUL-80	▲	▲	▲	-
CUL-90	▲	▲	▲	-
N Series IEC Contactors				
CN-100R	▲	▲	▲	▲
CN-125R	▲	▲	▲	▲
CN-150R	▲	▲	▲	▲
CN-180	▲	▲	-	▲
CN-220	▲	▲	-	▲
CN-300	▲	▲	-	▲
CNL-100R	▲	▲	-	-
CNL-125R	▲	▲	-	-
CNL-150R	▲	-	-	-
CNL-180	▲	▲	-	-
CNL-220	▲	▲	-	-
CNL-300	▲	▲	-	-

Catalog Number	UL	EC Declaration of conformity	TUV	CCC
Accessories				
CUA-2	▲	▲	▲	▲
CUA-4	▲	▲	▲	▲
CNA-2M	▲	▲	▲	▲
CNA-4M	▲	▲	▲	▲
CNA-111S	▲	▲	▲	▲
CNA-111B(C)	▲	▲	▲	▲
CNI-6	▲	-	-	-
CNI-18	▲	-	-	-
CNI-100	▲	-	-	-
CI-18	▲	-	-	-
CI-35	▲	-	-	-
RHU/RHN Series Thermal Overload Relays				
RHU-5	▲	▲	▲	▲
RHU-10	▲	▲	▲	▲
RHU-80/P	▲	▲	▲	▲
RHN-300*	▲	▲	-	▲
TMS-S Series Motor Protection Circuit Breakers				
TMS-32S	▲	▲	-	▲
BM/BR series Miniature Circuit Breakers				
BM-63M	-	▲	-	▲
TAX series Molded Case Circuit Breakers				
TAX-125	-	▲	-	▲
TAX-250	-	▲	-	▲
TAX-400	-	▲	-	▲
TAX-630	-	▲	-	▲
TAX-800	-	▲	-	▲
TAX-125MJ	-	▲	-	-
TAX-250MJ	-	▲	-	-
TAX-400MJ	-	▲	-	-
TAX-630MJ	-	▲	-	-
TAX-800MJ	-	▲	-	-

CU·CN Series IEC Contactors

Suitable for AC-1, AC-2, AC-3 and AC-4 utilization categories



Model/ Cat. No.		CN-6(K)			CU-11			CU-16				
Main Contacts	Rated Insulation Voltage (Ui)	690			1000			1000				
	Ith AC1 IEC/UL	20/20			25/24			25/32				
	Rated current (Ie) Rated Power (P) AC-3 IEC 60947-4-1 GB/T 14048.4	3P	220/230V	10.1	2.2	3	12	3	4	16	4	5.5
			380/400V	9	4	5.5	12	5.5	7.5	16	7.5	10
			415/440V	8.5	4	5.5	11	5.5	7.5	15	7.5	10
			500V	6.5	4	5.5	9	5.5	7.5	13	7.5	10
	Rated current (Ie) Rated Power (P) UL 60947-4-1 CSA C22.2	1P	120V	-	-	-	16	-	1	20	-	1.5
			230V	-	-	-	12	-	2	17	-	3
		3P	200/280V	11	-	3	18	-	5	18	-	5
			240V	9.6	-	3	15.2	-	5	15.2	-	5
	3P	480V	7.6	-	5	11	-	7.5	14	-	10	
		600V	6.1	-	5	11	-	10	11	-	10	
Aux. Contacts	Rated Insulation Voltage (Ui)	690			690			690				
	Rated Thermal Current (Ith, AC/DC)	10/2.5			10/2.5			10/2.5				
	Rated current (Ie) IEC 60947-5-1 GB/T 14048.5 UL 60947-4-1	AC 15	120V	6			6			6		
			240V	3			3			3		
380V			1.9			1.9			1.9			
Power Consumption	Inrush(VA)	27			70			70				
	Sealed(VA)	5(3)			9			9				
	Dissipated(W)	4(3)			4			4				
Operational Frequency	OPS/hn	1200			1200			1200				
Electrical Durability	Million Operations	100			100			100				
Mechanical Durability	Million Operations	1000			1000			1000				
Contact Configuration*		3A1a, 3A1b 4A, 2A2B			3A1a, 3A1b 4A, 2A2B			3A1a, 3A1b 4A, 2A2B				
Weight (Kg)		0.18(0.23)			0.3			0.3				
Dimensions (mm) a*b*c		58*45*54			70*45*82							

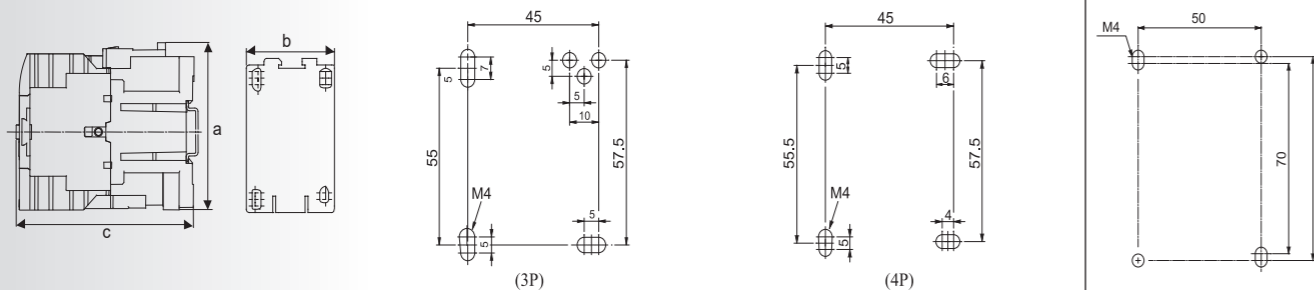
* A: NO Main Contacts B: NC Main contacts a: NO Aux. Contacts b: NC Aux. Contacts

CU·CN Series IEC Contactors

Suitable for AC-1, AC-2, AC-3 and AC-4 utilization categories



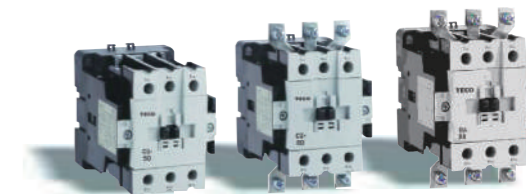
Model/ Cat. No.		CU-18			CU-23			CU-32R			CU-38				
Main Contacts	Rated Insulation Voltage (Ui)	660			660			1000			1000				
	Ith AC1 IEC/UL	32/35			35/40			50/50			60/55				
	Rated current (Ie) Rated Power (P) AC-3 IEC 60947-4-1 GB/T 14048.4	3P	A	kW	Hp	A	kW**	Hp	A	kW	Hp	A	kW	Hp	
			220/230V	23(35)	5.5(13)	7.5(-)	27(40)	7.5(15)	10(-)	32	7.5	10	39	11	15
			380/400V	22(35)	11(23)	15(-)	26(40)	11(26)	15(-)	32	15	20	38	18.5	25
			415/440V	21(35)	11(27)	15(-)	21(40)	11(29)	15(-)	32	15	20	38	22	30
			500V	19(-)	11(-)	15(-)	19(-)	11(-)	15(-)	30	18.5	25	33	22	30
	660V	14(-)	11(-)	15(-)	19(-)	11(-)	15(-)	22	18.5	25	25.2	22	30		
	Rated current (Ie) Rated Power (P) UL 60947-5-1 CSA C22.2	1P	120V	24	-	2	24	-	2	24	-	2	34	-	3
			230V	17	-	3	28	-	5	28	-	5	40	-	7.5
3P		200/280V	26	-	7.5	26	-	7.5	25.3	-	7.5	32.2	-	10	
		240V	22	-	7.5	28	-	10	28	-	10	42	-	15	
		480V	21	-	15	27	-	20	27	-	20	40	-	30	
600V	17	-	15	22	-	20	27	-	25	32	-	30			
Aux. Contacts	Rated Insulation Voltage (Ui)	690			690			690			690				
	Rated Thermal Current (Ith, AC/DC)	10/2.5			10/2.5			10/2.5			10/2.5				
	Rated current (Ie) IEC 60947-5-1 GB/T 14048.5 UL 60947-5-1	AC 15	120V	6		6		6		6		6		6	
			240V	3		3		3		3		3		3	
380V			1.9		1.9		1.9		1.9		1.9		1.9		
Power Consumption	Inrush(VA)	70			70			70			150				
	Sealed(VA)	8.3			8.3			8.3			19				
	Dissipated(W)	4			4			4			5				
Operational Frequency	OPS/hn	1200			1200			1200			1200				
Electrical Durability	Million Operations	100			100			100			100				
Mechanical Durability	Million Operations	1000			1000			500			500				
Contact Configuration*		3A1a1b, 3A2a, 2A2b 4A, 2A2B			3A1a1b, 3A2a, 2A2b 4A, 2A2B			3A1a1b, 3A2a			3A1a1b				
Weight (Kg)		0.4			0.4			0.4			0.7				
Dimensions (mm) a*b*c		72*55*92			72*55*92			75*55*92			94.3*58*111.7				



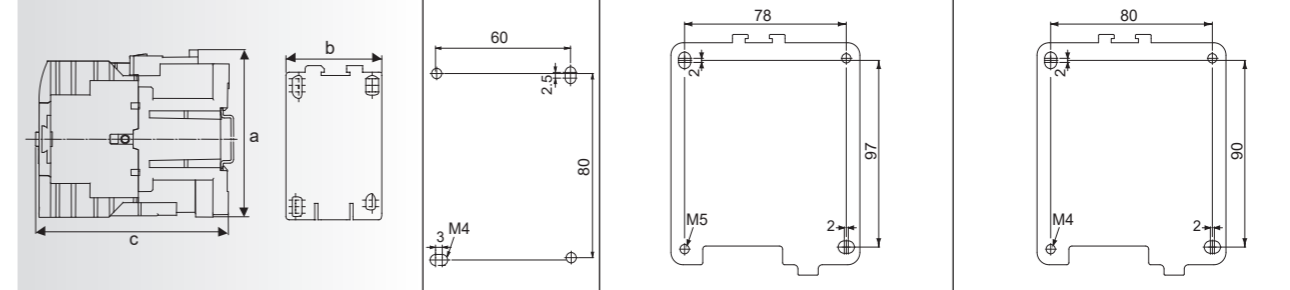
* A: NO main contacts; B: NC main contacts; a: NO auxiliary contacts; b: NC auxiliary contacts.
** CN-18 and CN-23 (4P) are suitable for AC-1 and AC-3 loads. Values in parentheses indicate AC-1 rated capacity. 4-pole contactors are available for CU-18 and CU-23.

CU·CN Series IEC Contactors

Suitable for AC-1, AC-2, AC-3 and AC-4 utilization categories



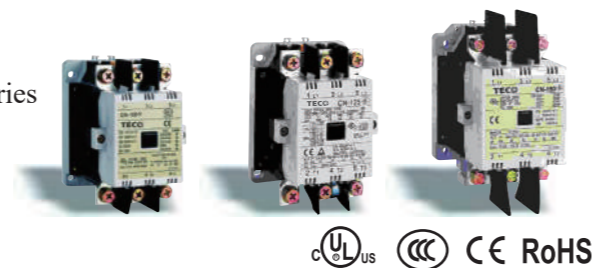
Model/ Cat. No.		CU-40			CU-50R			CU-65R			CU-80			CU-90				
Main Contacts	Rated Insulation Voltage (Ui)	1000			1000			1000			1000			1000				
	Ith AC1 IEC/UL	60/60			80/80			100/100			100/104			135/120				
	Rated current (Ie) Rated Power (P) AC-3 IEC 60947-4-1 GB/T 14048.4	3P	A	kW	Hp	A	kW	Hp	A	kW	Hp	A	kW	Hp	A	kW	Hp	
			220/230V	42	11	15	55	15	20	65	18.5	25	75	22	30	85	25	35
			380/400V	40	20	27	55	25	35	64	30	40	72	37	50	85	45	60
			415/440V	40	22	30	52	30	40	64	37	50	70	40	54	85	45	60
			500V	35	22	30	45	30	40	55	37	50	65	45	60	80	45	60
	660V	26	22	30	35	30	40	45	37	50	60	45	60	50	45	60		
	Rated current (Ie) Rated Power (P) UL 60947-5-1 CSA C22.2	1P	120V	34	-	3	56	-	5	56	-	5	80	-	7.5	80	-	7.5
			230V	40	-	7.5	50	-	10	68	-	15	68	-	15	68	-	15
3P		200/280V	49	-	15	49	-	15	63	-	20	79	-	25	79	-	25	
		240V	42	-	15	54	-	20	68	-	25	80	-	30	80	-	30	
		480V	40	-	30	52	-	40	65	-	50	77	-	60	77	-	60	
600V	41	-	40	41	-	40	52	-	50	62	-	60	77	-	75			
Aux. Contacts	Rated Insulation Voltage (Ui)	690			690			690			690			690				
	Rated Thermal Current (Ith, AC/DC)	10/2.5			10/2.5			10/2.5			10/2.5			10/2.5				
	Rated current (Ie) IEC 60947-5-1 GB/T 14048.5 UL 60947-5-1	AC 15	120V	6		6		6		6		6		6		6		
			240V	3		3		3		3		3		3		3		
380V			1.9		1.9		1.9		1.9		1.9		1.9		1.9			
Power Consumption	Inrush(VA)	215			280			280			280			280				
	Sealed(VA)	19			25			25			25			25				
	Dissipated(W)	6			7.5			7.5			7.5			7.5				
Operational Frequency	OPS/hn	1200			1200			1200			1200			1200				
Electrical Durability	Million Operations	100			100			100			100			100				
Mechanical Durability	Million Operations	500			500			500			500			500				
Contact Configuration*		3A1a1b			3A2a2b			3A2a2b			3A2a2b			3A2a2b				
Weight (Kg)		0.9			1.1			1.1			1.3			1.3				
Dimensions (mm) a*b*c		99*69*111.7			119.4*99*108.7			119.4*99*108.7			150*93.5*123			150*93.5*123				



* A: NO main contacts; B: NC main contacts; a: NO auxiliary contacts; b: NC auxiliary contacts.

CU·CN Series IEC Contactors

Suitable for AC-1, AC-2, AC-3 and AC-4 utilization categories

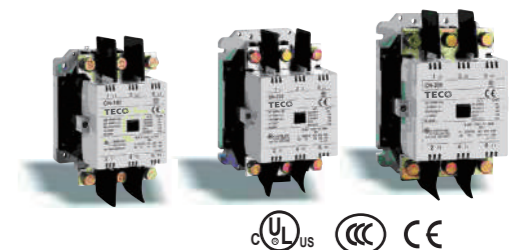


Model/ Cat. No.		CN-100R			CN-125R			CN-150R				
Main Contacts	Rated Insulation Voltage (Ui)	1000			1000			1000				
	Ith AC1 IEC / UL	135/130			150/150			200/200				
	Rated current (Ie) Rated Power (P) AC-3 IEC 60947-4-1 GB/T 14048.4	3P	A	kW	Hp	A	kW	Hp	A	kW	Hp	
			220/230V	115	30	40	138	40	54	150	45	60
			380/400V	115	60	80	138	75	100	150	80	110
			415/440V	115	60	80	138	75	100	131	80	110
			500V	93	65	85	105	75	100	129	90	125
	660V	75	65	85	85	75	100	107	100	136		
	Rated current (Ie) Rated Power (P) UL 60947-5-1 CSA C22.2	1P	120V	100	-	10	-	-	-	-	-	
			230V	68	-	15	-	-	-	-	-	
3P		200/280V	92	-	30	120	-	40	150	-	50	
		240V	104	-	40	130	-	50	154	-	75	
		480V	96	-	75	124	-	100	156	-	125	
600V	99	-	100	99	-	100	125	-	125			
Aux. Contacts	Rated Insulation Voltage (Ui)	690			690			690				
	Rated Thermal Current (Ith, AC/DC)	10/2.5			10/2.5			10/2.5				
	Rated current (Ie) IEC 60947-5-1 GB/T 14048.5	AC 15	120V	6			6			6		
			240V	3			3			3		
380V			1.9			1.9			1.9			
Power Consumption	Inrush(VA)	560			560			700				
	Sealed(VA)	63			63			70				
	Dissipated(W)	12			12			35				
Operational Frequency	OPS/hn	1200			1200			1200				
Electrical Durability	Million Operations	100			100			100				
Mechanical Durability	Million Operations	500			500			500				
Contact Configuration*		3A2a2b,(Max 4a4b)			3A2a2b,(Max 4a4b)			3A2a2b,(Max 4a4b)				
Weight (Kg)		2.2			2.2			2.2				
Dimensions (mm)	a*b*c	150*100*133			150*100*133			150*100*133				

* A: NO main contacts; B: NC main contacts; a: NO auxiliary contacts; b: NC auxiliary contacts.

CU·CN Series IEC Contactors

Suitable for AC-1, AC-2, AC-3 and AC-4 utilization categories



Model/ Cat. No.		CN-180			CN-220			CN-300				
Main Contacts	Rated Insulation Voltage (Ui)	1000			1000			1000				
	Ith AC1 IEC / UL	240/240			260/260			350/300				
	Rated current (Ie) Rated Power (P) AC-3 IEC 60947-4-1 GB/T 14048.4	3P	A	kW	Hp	A	kW	Hp	A	kW	Hp	
			220/230V	182	55	75	225	65	85	300	90	120
			380/400V	179	95	125	225	120	160	300	160	220
			415/440V	178	100	136	220	132	180	300	160	220
			500V	156	110	150	190	132	180	250	160	220
	660V	118	110	150	140	132	180	220	220	270		
	Rated current (Ie) Rated Power (P) UL 60947-5-1 CSA C22.2	1P	120V	-	-	-	-	-	-	-	-	
			230V	-	-	-	-	-	-	-	-	
3P		200/280V	177	-	60	221	-	75	285	-	100	
		240V	192	-	75	248	-	100	312	-	125	
		480V	180	-	150	240	-	200	302	-	250	
600V	144	-	150	192	-	200	242	-	250			
Aux. Contacts	Rated Insulation Voltage (Ui)	690			690			690				
	Rated Thermal Current (Ith, AC/DC)	10/2.5			10/2.5			10/2.5				
	Rated current (Ie) IEC 60947-5-1 GB/T 14048.5	AC 15	120V	6			6			6		
240V			3			3			3			
380V			1.9			1.9			1.9			
Power Consumption	Inrush(VA)	700			1050			1050				
	Sealed(VA)	70			70			70				
	Dissipated(W)	35			15			15				
Operational Frequency	OPS/hn	1200			1200			1200				
Electrical Durability	Million Operations	100			100			100				
Mechanical Durability	Million Operations	500			500			500				
Contact Configuration		3A2a2b,(Max 4a4b)			3A2a2b,(Max 4a4b)			3A2a2b,(Max 4a4b)				
Weight (Kg)		4.1			6.7			6.7				
Dimensions (mm)	a*b*c	222.4*130*157.2			228.4*146*183.2			228.4*146*183.2				

* A: NO main contacts; B: NC main contacts; a: NO auxiliary contacts; b: NC auxiliary contacts.

CNI, CI Mechanical Interlock Accessories



Model/ Cat. No.	CI-18	CNI-18	CI-35	CNI-100
For Use With Contactors	CU-11~38	CU-11~38	CU-40~90	CN-100R~300
Operational Type	Mechanical	Mechanical+Electrical (AC13,DC15)	Mechanical	Mechanical

Note: For CNI-6, please specify whether it is for AC or DC coil when placing an order.

CUA, CNA Auxiliary Contacts



Model/ Cat. No.		CUA-2	CUA-4	CUA-4-H	CNA-111S(C)	CNA-111B(C)
Rated Insulation Voltage (Ui)		660 V				
Rated Operational Voltage (Ue)		660 V				
Conventional free air thermal current Ith(AC/DC)		10/2.5 A				
Rated Operational Current (Ie) (A)	AC 15	120V	6	6	6	6
		240V	3	3	3	3
		380V	1.9	1.9	1.9	1.9
		480V	1.5	1.5	1.5	1.5
		500V	1.4	1.4	1.4	1.4
		600V	1.2	1.2	1.2	1.2
	DC 13	125V	0.55	0.55	0.55	0.55
		250V	0.27	0.27	0.27	0.27
Operational Frequency	OPS/hn	1200	1200	1200	1200	1200
Electrical Durability	Million Operations	100	100	100	100	100
Mechanical Drability	Million Operations	500	500	500	500	500
Contact Configuration*		2a, 2b, 1a1b	4a, 3a1b, 2a2b, 1a3b, 4b	4a, 3a1b, 2a2b, 1a3b, 4b	1a1b	1a1b
For Use with		CU-11~90	CU-11~90	CN-400~630	CU-11~90	CN-100R~300

* The suffix "C" in CNA-111 model indicates a terminal protection cover, compliant with IP20 protection level.