

CTX³ 4P 40A/60A/100A/135A/165A/250A/330A/420A/500A/750A/900A [AC-1]

Warning

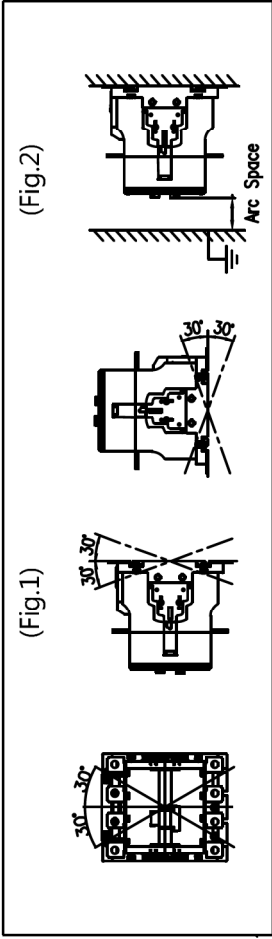
- 1) Before installation or inspection of contactors, overloads turn off, disconnect and verify power has been removed.
- 2) Do not modify device unless authorized in writing, by Legrand.
- 3) Be sure to tighten terminal screws to specified torque. Loose terminal connection may result in fire.
- 4) Do not operate contactor with cover removed, an open arc-extinguishing chamber may result in electric shock and severe burns.
- 5) In the event of an overload trip, inspect system and remove the cause of the overload condition before re-applying power.
- 6) Installation, maintenance, and inspection should be performed only by qualified personnel.
- 7) When disposing, treat products as industrial waste.

Check point before Installation

Please verify that the product ratings are correct for intended application.

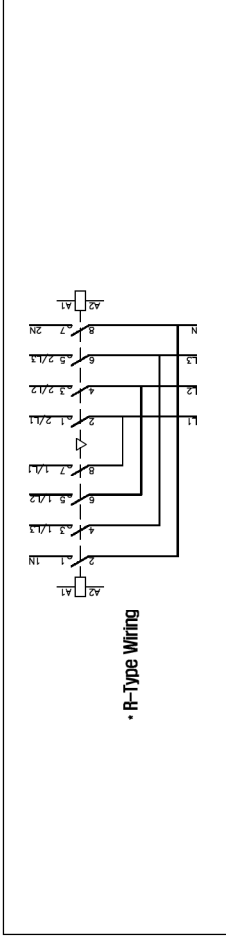
Installation Instruction

- 1) Install in environment free from excessive vibration and humidity.
- 2) Product may be installed in either a vertical or horizontal position. Up to 30° deviation is allowed. Consult Fig.1 for details.
- 3) Keep the distance more than 10mm with 416426, 416436, 416446, 416456, 20mm with 416466, 416476, 416486, 30mm with 416496, 416506 and 45mm with 416516, 416526 arc space shown in Fig.2 when installing magnetic contactors in panel.



Reversing Contactors

- 1) In case of forward operation of motor using 2 contactor(switches), Use the R type reversible magnetic contactor(switches).
- 2) In case of using in electric reversible mode which may cause arc-short by change, use the delayed relay or a dead interval of up to operational time on reversing must be taken into account.
- 3) While checking the sequences, has to be cut off the main circuit.
- 4) For operating a coil, connect wire to terminals A1&A2 of Aux. Coil Ass'y



Product Rating

Contactor	4 164 26	4 164 36	4 164 46	4 164 56	4 164 66	4 164 76	4 164 86	4 164 96	4 165 06	4 165 16	4 165 26
	AC240V	22/60	37/100	51/135	60/165	76/250	100/330	135/420	160/500	255/750	310/900
IEC60947 KWA(AC1)	AC440V	27/40	42/60	70/100	95/135	142/250	185/330	250/420	300/500	470/750	570/900
	AC550V	35/40	52/60	88/100	120/135	187/250	230/330	315/420	375/500	590/750	710/900
	AC690V	44/40	66/60	110/100	150/135	225/250	290/330	390/420	470/500	740/750	900/900
IEC60947 KWA(AC3)	AC240V	5.5/22	11/40	18.5/65	25/85	45/150	75/225	90/330	125/400	190/630	220/800
	AC440V	11/22	18.5/40	30/65	45/85	60/120	75/150	132/225	160/330	200/400	330/630
	AC690V	7.5	10	20	30	40	50	75	125	150	250
UL508 HP Three phase	AC480V	10	25	40	50	75	100	150	250	300	500
	AC600V	15	25	40	50	75	100	150	250	300	500

Wire Size and Tightening Torque

FRAME SIZE	TERMINAL SCREW		 [mm] / Max	SIZE OF WIRE [mm²]	CONNECTING TORQUE [kgf cm]	
	CONTACTOR				CONTACTOR	
4 164 26	M4		9.6	2.5~10	15~22.5	
4 164 36	M5		12.8	10~16	26~39	
4 164 46	M6		14	16~35	45~67.5	
4 164 56	M8		17	25~50	100~150	
4 164 66	M8		17	35~70	100~150	
4 164 76	M8		17	35~95	100~150	
4 164 86	M10		25	50~150	150~225	
4 164 96, 4 165 06	M12		30	95~240	250~375	
4 165 16, 4 165 26	M16		40	185~480	600~1200	

Selection for contactors and interlock unit

Contactor CTX ³ 4P	Interlock unit		Auxiliary contacts	
	Ref	Integrated Auxiliary contacts	Ref	Contacts position
4 164 26, 4 164 36	4 168 79	2NC	4 168 49	1NO+1NC
4 164 46, 4 164 56				
4 164 66, 4 164 76, 4 164 86	4 168 87			
4 164 96, 4 165 06	4 168 88 ^(**)		4 168 59 ^(*)	
4 165 16, 4 165 26				

(*) Used for electrical interlock between two CTX 4P when not integrated to interlock unit
(**) Mounting plate

