

Date : 08-13-98

Taian Technical Data Sheet

No : FTSD1228

Modify:26-03-00

Version:3

CN-220/300 A.C. Contactors

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1. Object:

Provide technical data of subject product for applications.

2. Scope:

CN-220/300

3. Conformity to Standards:

IEC 60947-4-1 JEM 1038 CNS C4084 UL 508 BS EN 60947-4-1 VDE 0660 CSA C22.2
IEC 60947-5-1 JIS 4531

4. Performance, Specification and Dimensions:

4.1 Pole Characteristics:(l)

Catalogue Number	CN-220/300
Contact Configuration	3A2a2b (Max 4a4b)
Rated Making Capacity (A)	10xIe
Rated Breaking Capacity (A)	8xIe
Operational Frequency	1200
Electrical Durability (AC3) (million ops)	1
Mechanical Durability (million ops)	5
Weight (Kg)	6.7

Note:1. Ie: rated operational current.

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4.2 Pole Characteristics:(II)

Catalogue Number		CN-220			CN-300			
Rated Insulation Voltage (Ui) IEC/CNS , UL (V)		1000/600			1000/600			
Rated Operational Voltage (Ue) IEC/CNS , UL (V)		690/600			690/600			
Thermal Current (Ith) IEC		260A			350A			
Thermal Current (Ith) UL,CSA		260A			350A			
		A	KW	HP	A	KW	HP	
CNS C4084 JEM 1038 3φ AC3	Three Phase	220V	225	55	75	300	75	100
		380V	225	110	150	300	150	200
		440V	220	110	150	300	150	200
		550V	180	132	180	250	160	214
IEC 60947-4-1 BS EN 60947-4-1 VDE 0660 3φ AC3	Three Phase	220/230V	225	65	85	300	90	120
		380/400V	225	120	160	300	160	220
		415V	220	125	170	300	160	220
		440V	220	132	180	300	160	220
		500V	190	132	180	250	160	220
		660V	140	132	180	220	220	270
UL 508 CSA C22.2 3φ AC3	Three Phase	208V	221	55	75	285	75	100
		230V	248	75	100	312	90	125
		460V	240	147	200	302	185	250
		575V	192	147	200	242	185	250
NEMA		SIZE 4+			SIZE 5			

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4.3 Control Circuit Characteristics(I): IEC 60947-5-1

Aux. Contact Assembly Catalogue Number		CNA-111B/BC	
Rated Insulation Voltage (V) (Ui) IEC/JIS ,UL		660/600	
Rated Operational Voltage (V) (Ue) IEC/JIS /UL		660/550/600	
Contact Rating Code Designator UL		A600	Q300
Thermal Current AC/DC (Ith) A		10	2.5
Rated Operational Current (A) (Ie) IEC	AC15	120V	6
		240V	3
		380V	1.9
		480V	1.5
		500V	1.4
		600V	1.2
	DC13	125V	0.55
		250V	0.27

Note:1.The auxiliary contact rating designations based on utilization categories are A600 Q300.

2.AC-15:Control of a.c. electromagnetic loads.

3.DC-13:Control of d.c. electromagnetic.

4.4 Control Circuit Characteristics(II):

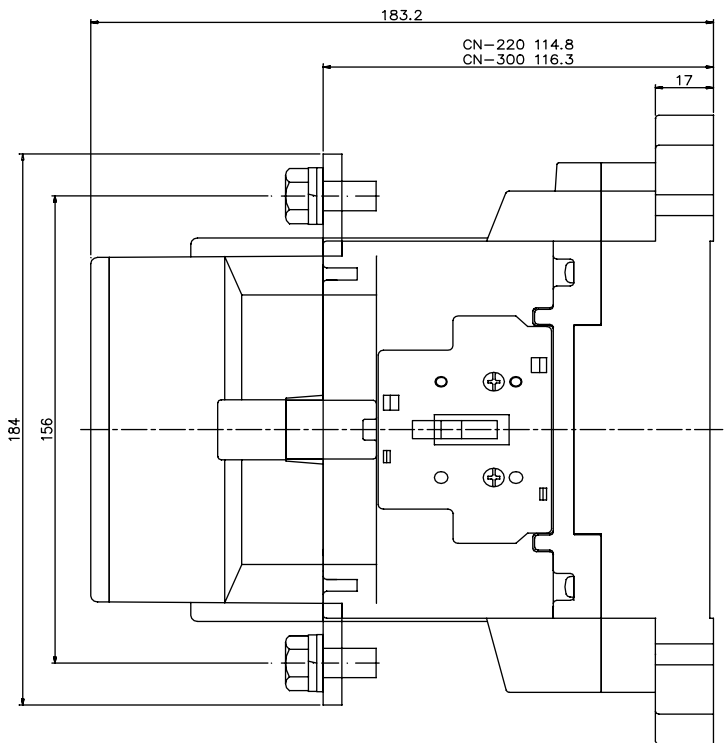
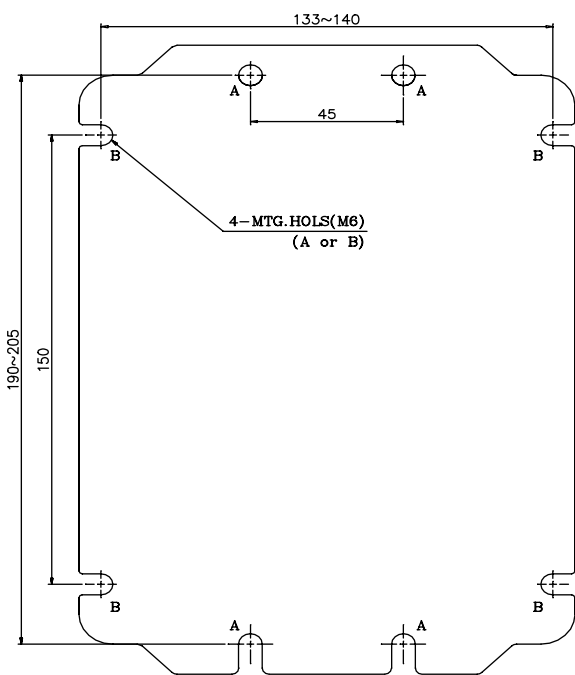
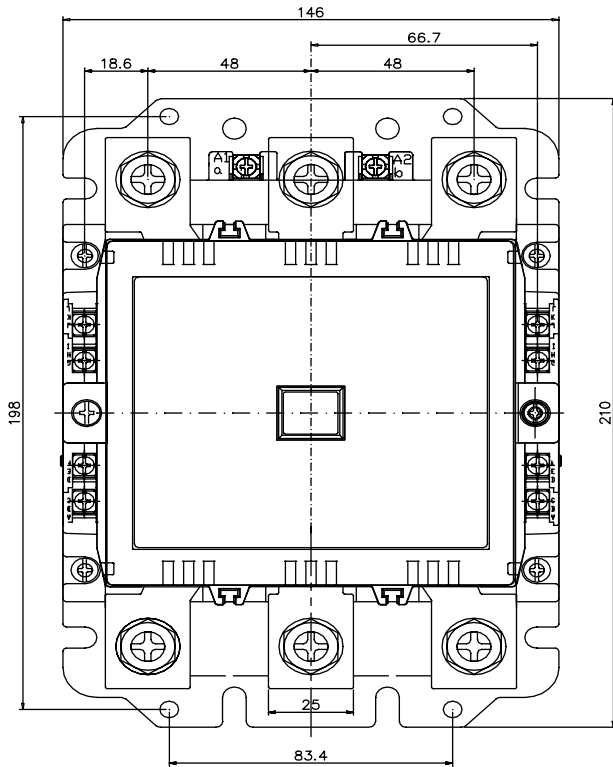
Control Source			AC 50/60Hz	AC/DC
Rated Control Supply Voltage (Us) V			24-600	110,220
Pick-up Voltage (V)			Max 75% Us	Max75% Us
Drop-out Voltage(V)			Max 45% Us	Max 45% Us
Power Consumption	Inrush	VA	Max 300	Max 400
	Sealed	VA	Max 63	Max 4.5
Power Dissipated		W	9-15	2-4

Note:1.Us: Rated control supply voltage.

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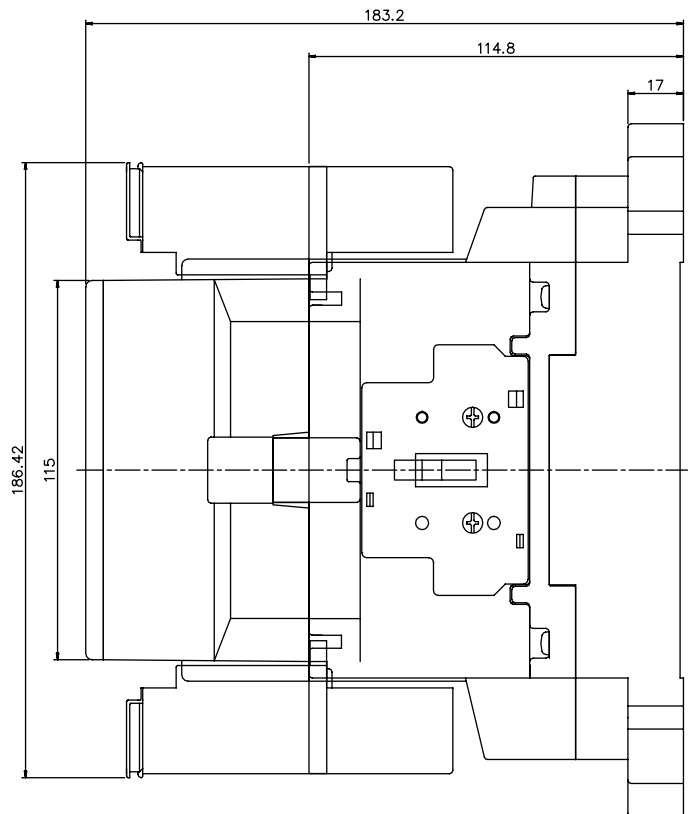
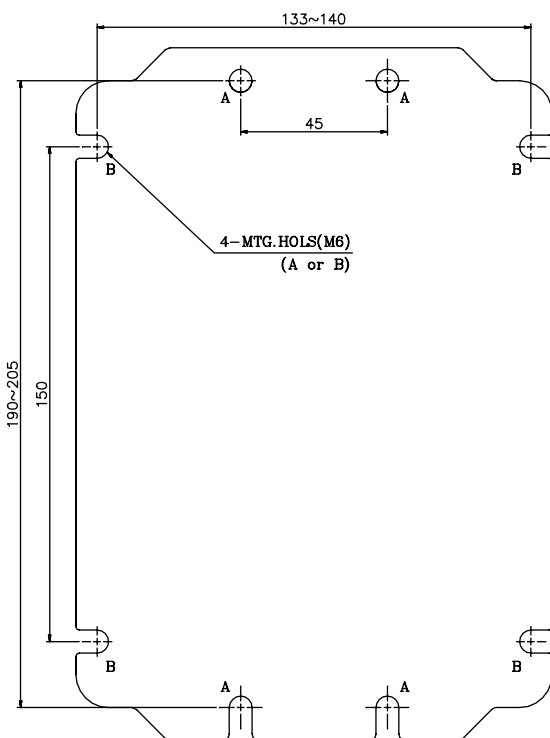
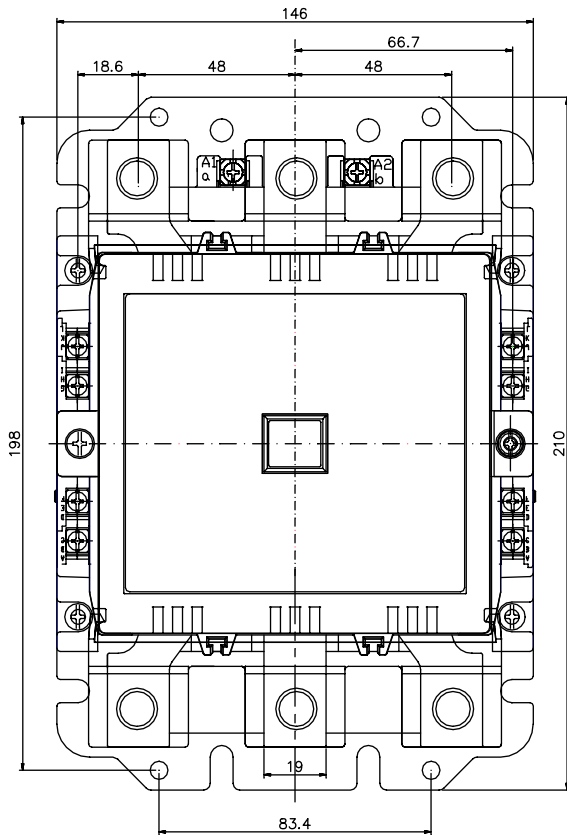
4.5. CN-220/300 Overall Dimensions (mm)

4.5.1. CN-220/300 Screw Type Overall Dimensions (mm)



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4.5.2. CN-220 Lug Type Overall Dimensions (mm) (CN-300 Non Lug Type)



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4.6 Terminal markings:

3A2a2b

