

	文件名称 File Name	使用说明书 Operation instruction	文件编号 File Number	NDT2920245
	产品型号及名称 Model and Name of Product	NDC1T-40~65 系列接触器 NDC1T-40~65 Series Special AC Contactor	版次 Version	第 3 版 Version3
			实施日期 Implementation Date	20181119

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良信电器 · 预见未来

NDC1T-40~65 系列 特种接触器使用说明书 NDC1T-40~65 Series Special AC Contactor Using Instruction

Nader 良信电器

编制/日期 Drafted by/Date	简水毛/20181119 Jian Shuimao /20181119	审核/日期 Reviewed by/ Date	白亚亚/20181119 Bai Yaya /20181119	批准/日期 Approved by/ Date	刘长友/20181119 Liu Changyou20181119
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修订记录
Revision History

版次 Version	修订内容 Revision Contents	修订日期 Revision Date	修订人员 Revised by
0	新增 Some contents were added.	20171110	白亚亚 Bai Yaya
1	内容更改 Content change	20181010	简水毛 JianShuimao
2	内容更改 Content change	20181108	简水毛 JianShuimao
3	版本升级 Version upgrades	20181119	简水毛 JianShuimao

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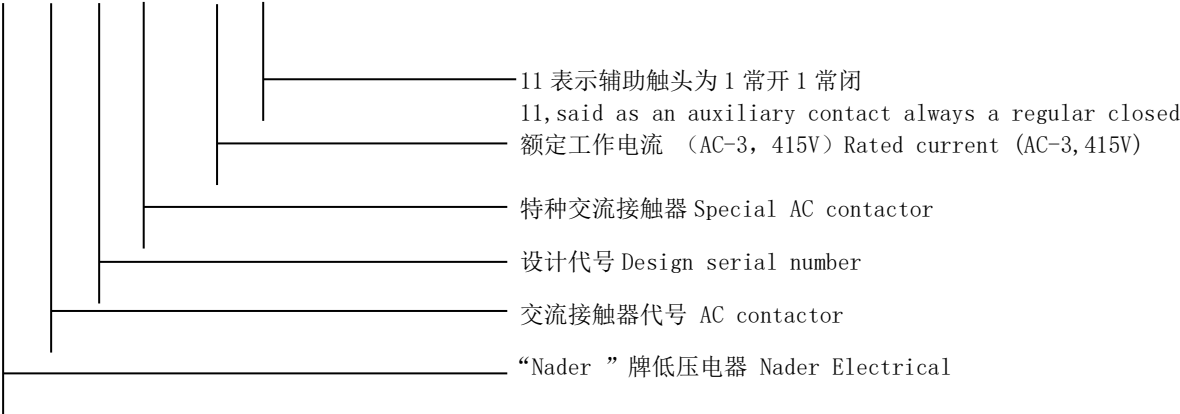
一、适用范围与用途 Intended use and applicable range

NDC1T-4011~6511 交流接触器(以下简称交流接触器)主要适用于交流 50Hz(或 60Hz),额定绝缘电压 690V,在 AC-3 的使用类别下额定工作电压 415V 时额定工作电流为 40~65A 的电路中,供远距离接通和分断电路,并可与适当的热继电器组成电磁起动器以保护可能发生过载的电路,能够适用于工作条件恶劣,环境粉尘较大,要求产品防尘性能高的行业,如电焊机行业、纺织行业、水泥厂、面粉加工厂等

NDC1T-4011~6511 Special series AC contactor is used in AC 50Hz(or60Hz),rated insulation voltage is up to 690V,and rated current 40~65A under rated voltage415V and category AC-3 circuit,for long-distance making and nreaking circuit,and can interoperable with the appropriate thermal overload relay comprising electromagnetic starter for protecting potential overload circuit. Adapt poor working conditions, larger environmental dust; require high-performance of dust industry, such as welding machine industry/the textile industry/flour processing plants and so on.

二、型号及含义 type and means

ND C 1 T — □ □



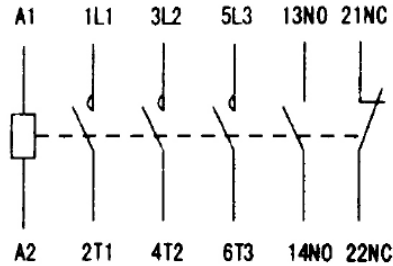
三、主要技术参数 Main technical parameters

型号 type		NDC1T-4011	NDC1T-5011	NDC1T-6511
额定工作电流 Ie A(AC-3) Rated working current	415V	40	50	65
	690V	34	39	42
约定发热电流 Ith A Conventional thermal current		60	80	80
额定工作电压 Ue V Rated working voltage		380/400 660/690		
AC-3 (6Ie, Ie)	电寿命 (10 ⁴ 次) life span of trip	80	60	60
	操作频率 h ⁻¹ Operation frequency	600	600	600
AC-4 (6Ie, 6Ie)	电寿命 10 ⁴ 次 life span of trip	15	15	15
	操作频率 h ⁻¹ Operation frequency	300		
	额定工作电流 Ie A Rated working current	380V/415V	24	28
		660V/690V	12	14
机械寿命 10 ⁴ 次 Machinery life span of trip times		800		
辅助触头 Auxiliary contact	约定发热电流 A Conventional thermal current		10	
	电寿命 Life span	AC-15 (360VA)	80×10 ⁴	60×10 ⁴
		DC-13 (33VA)		

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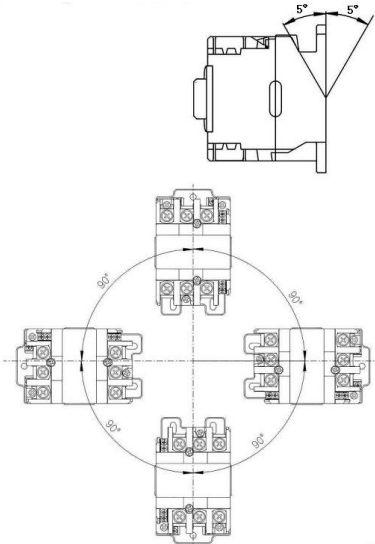
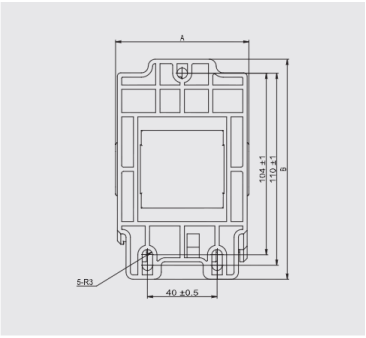
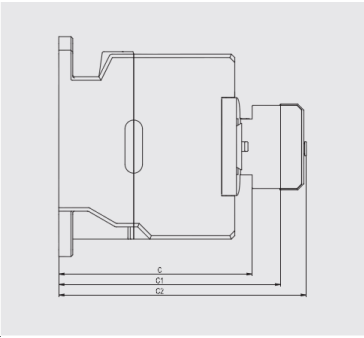
可接通最小负载 Connect minimum load		17V, 5mA	
线圈 Coilcharacter	额定控制电源电压 Us V Rated control voltage		AC (50Hz, 50Hz/60Hz) :
	吸合电压 pull voltage		0.85Us~1.1Us
	释放电压 release voltage		0.20Us~0.75Us
	线圈功率 50Hz/60Hz Wiring power VA 50Hz/60Hz	起动	230
		吸持	32
触头动作时间 ms Contact action time (ms)		闭合 'C' Close	20~25
		吸持 'O' Open	8~12
接线扭矩(N.m)max Wiring torque (N.m)max	主电路接线端子 Wiring terminal of the min circuit		2.5~5
接线能力 max Connection capacity(mm ²)max	0 型端子头 Type 0 terminal block		16mm ² (接 0 型端子头, 不能直接裸线) 16(connected to Type o terminal block without the direct bare wire)

四、接线图/Circuit



NDC1T-4011/5011/6511

五、外形及安装尺寸/Outline and installing dimension

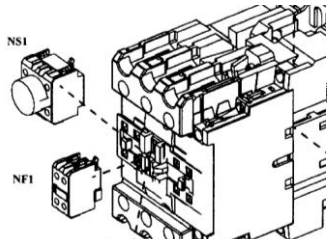


注① :C1:NDC1+NF1; C2:NDC1+NS1

注② :未注公差按±1mm

接触器型号	A	B	C	C1	C2
NDC1T-40~6511	76.5±0.1	126±1	111±1	127±1	170±1

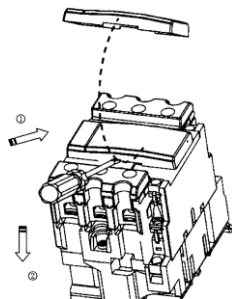
六、附件/Accessories



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NF1-02	2"NC"	NF2-11	1"NO"+1"NC"		
NF1-11	1"NO"+1"NC"	NF2-20	2"NO"		
NF1-20	2"NO"	NS1-220	0.1~3S	On-delay	
NF1-04	4"NC"	NS1-222	0.1~30S	On-delay	
NF1-13	1"NO"+3"NC"	NS1-224	10~180S	On-delay	
NF1-22	2"NO"+2"NC"	NS1-320	0.1~3S	Off-delay	
NF1-31	3"NO"+1"NC"	NS1-322	0.1~30S	Off-delay	
NF1-40	4"NO"	NS1-324	10~180S	Off-delay	

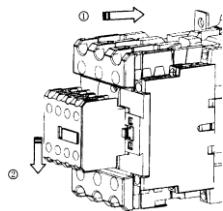
七、附件安装/Accessories installation



当要在顶部安装附件时，透明防护罩必须取掉，方法是①将一字螺丝刀插入透明防护罩和接触器之间②压下螺丝刀手柄。

When installing accessories, the transparent cover of contactor normally is to be disassembled.

Method:①Put flat tip of screwdriver in the slot between the cover and the main body of contactor. ②Push down the handle of screwdriver.



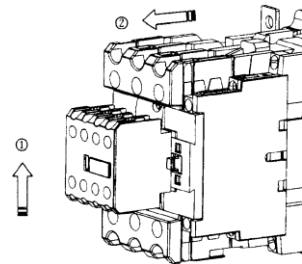
安装 NF1 系列辅助触头组：

- ①将 NF1 放在接触器面板相应的挂钩处；
- ②将 NF1 沿接触器本体方向向下移动，直到听到“啪”的响声。

Installation of NF1 series auxiliary contact group：

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- ①Put NF1 on the corresponding position of bracket of contactor.
- ②Move NF1 down along the surface of main body until there is a sound “PA”.

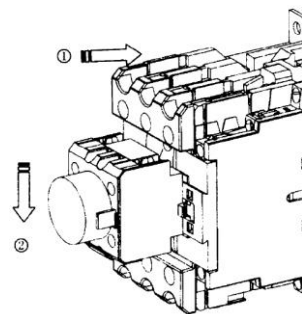


NF1 辅助触头组的拆卸:

- ①按下 NF1 下面的白色卡块使其解除与接触器的连接;
- ②沿接触器面板向上移动 NF1 直到与接触器分离。

Disassembly of NF1 series auxiliary contact group:

- ①Pull the fixing claw of NF1 to make it release from the contactor.
- ②Move NF1 up along the surface of main body.



安装和拆卸空气延时头 NS1:

安装和拆卸方法和 NF1 相同。

Installation and disassembly of NS1 pneumatic timer:

The same way as installation and disassembly method of NF1.

八、订货须知/Order Remark

订货时应指明 In order need attention following:

- 1、接触器的全部型号及名称; entitle type of contactor;
- 2、控制线圈频率及电压; frequency and voltage of control coil;
- 3、订货数量 order volume

例如: NDC1T-4011 AC220V 50/60Hz 交流接触器 10 台;

Example: AC contactor NDC1T-4011 220V 50/60Hz 10 sets.

表示: 额定工作电流为 40A 交流接触器, 控制电压的频率为 50/60Hz, 电压为 220V, 订货数量 10 台。

Representing: order 10 sets of contactors with rated operational current of 40A, rated voltage of 220V and control voltage frequency of 50/60Hz.

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4、特殊电压规格产品，如客户需要可特殊订货。

Special voltage character product, can special customize if need.



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