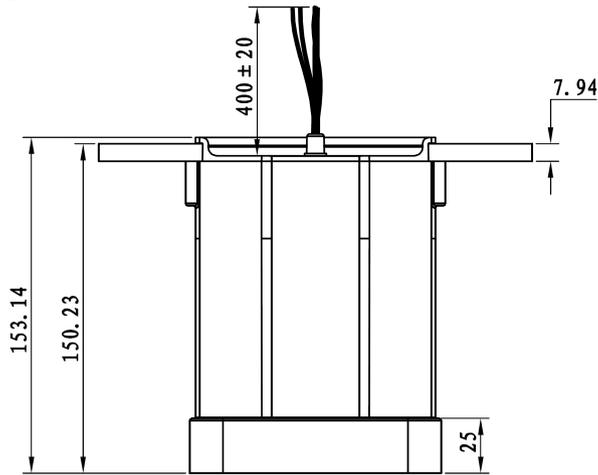
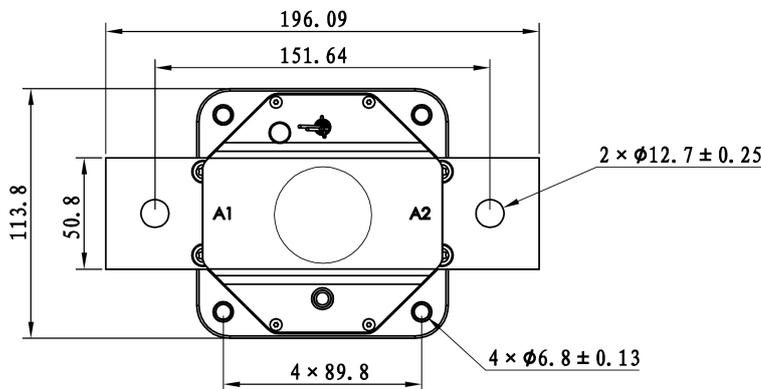
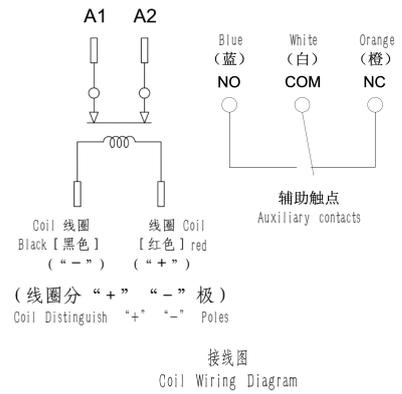


FXA1000/□-□HL3Z



Load Non-Polarity
(负载无极性)



未注公差 General Tolerance:
 < 1.0mm: ± 0.3mm
 1.0~5.0mm: ± 0.5mm
 > 5.0mm: ± 0.8mm

特性参数 CHARACTERISTIC PARAMETER

主触点参数 MAIN CONTACT DATA

最大工作电压 Max.Switching Voltage	1500VDC	额定电流 Rated Current	1000A
触点形式 Contact Arrangement	一组常开 SPST-NO	触点压降 Contact Voltage Drop	≤0.2V(at 1000A)
短时承载电流 Limiting Short-time Current	2000A:10s; 8000A:50ms; 10000A:2ms		
电寿命 (阻性负载) Electrical Life(Resistive Load)	1000V 型 Model	1200V 型 Model	1500V 型 Model
	600A 1000VDC 5000 次(ops) 800A 1000VDC 1000 次(ops)	500A 1200VDC 5000 次(ops)	400A 1500VDC 5000 次(ops)
最大分断电流 (阻性负载) Max.Breaking Current(Resistive Load)	5000A 400VDC 1 次(ops)		

性能参数 CHARACTERISTIC DATA

介质耐压 Dielectric Strength	主触点与线圈间 Between Main Contacts And Coil	试验前 Before Test ≥ 2500VAC (1min)	绝缘电阻 Insulation Resistance	触点与线圈间 Between Main Contacts And Coil	试验前 Before Test ≥ 100MΩ(1000VDC) 试验后 After Test ≥ 50MΩ(1000VDC)
	断开主触点间 Between Main Open Contacts	试验前 Before Test ≥ 5000VAC (1min)		断开触点间 Between Main Open Contacts	试验前 Before Test ≥ 100MΩ(1000VDC) 试验后 After Test ≥ 50MΩ(1000VDC)
	主触点与辅助触点间 Between Main Contacts And Auxiliary Contacts	试验前 Before Test ≥ 2500VAC (1min)		主触点与辅助触点间 Between Main Contacts And Auxiliary Contacts	试验前 Before Test ≥ 100MΩ(1000VDC) 试验后 After Test ≥ 50MΩ(1000VDC)
耐冲击 Shock Resistance	功能性 Functional	10G 半正弦波 Half-Sine Wave 11ms	耐振动 Vibration Resistance	功能性 Functional	10G (500~2000HZ)
	强度 Destructive				
吸合时间 Operate Time	Max:100ms		机械寿命 Mechanical Life	1*10 ⁵ 次 (ops)	
释放时间 Release Time	Max:70ms		重量 Weight	约 Approx 4200g	

线圈参数 COIL DATA

额定电压 Rated Voltage	12VDC	24VDC
吸合电压 Pick-up Voltage	≤9VDC	≤18VDC
释放电压 Drop-out Voltage	≥1.2VDC	≥2.4VDC
线圈功率 Rated Operating Power	约 Approx 15W	约 Approx 15.1W(启动 Start)
最大允许电压 Max.Allowable Voltage	13.2VDC	26.4VDC

使用注意事项 Caution:

- 规格书内的各项性能参数是基于标准测试条件下测得的初始值。
All the performance parameters listed in this specification are deemed as initial value measured under standard testing conditions.
- 使用环境温度-40°C~+85°C，湿度5%~85%RH。
Used in environment temperature -40°C~+85°C, humidity 5%~85%RH.
- 请避免安装在强磁场（变压器、磁铁周围）或发热物体附近。
Please avoid installing the device near high magnetic fields (eg.transformers or magnets) or hot objects.
- 电寿命试验为阻性负载时的数值，应用在L/R≥1ms的感性负载回路时，请与感性负载并行采取浪涌吸收措施。未采取措施的情况下，可能会成电气寿命下降、发生切断不良。
The electrical life test is performed with resistive load. Therefore, please take surge absorption measures in parallel with inductive load when the device is applied to inductive load circuit with L/R≥1ms. Otherwise, the electrical life is likely to decline, resulting in poor cutting off.
- 应用在容性负载回路时，请注意采取预充等措施，建议接触器闭合压差控制在20V以内。如未采取措施，可能会造成触点粘连。
Measures including precharging etc. must be taken if the device is to be applied in capacitive load circuit.It is suggested that the differential pressure be controlled within 20V when the contactor is in closed position. Otherwise, it might lead to contact adhesion.
- 接触器的线圈有极性，因此在进行线圈的连接时，请按接线图的指示进行操作。
The coils of the contactor are polarized, so follow the connection schematic when connecting the coils.
- 接触器内置单触发脉冲发生电路，请通过快速上升沿（脉冲式供电方式）驱动线圈；接触器接通信号后，约300ms后线圈电流自动切换，请避免间隔不满300ms的重复切换操作。
The contactor has a built-in one-shot pulse generator circuit, please drive the coil with a quick startup (pulse power supply mode); after the signal enters contactor, automatic coil current switching occurs after approximately 300ms, please avoid repetitive switch in which interval time is less than 300ms.
- 请避免在引出端上粘附油脂等异物，建议使用400mm²以上规格导线，否则有可能造成引出端异常发热。
Please avoid adhering such foreign matters as grease etc. on the leading-out terminals. Over 400mm² conductors shall be used. Otherwise, it will casue abnormal heating of leading-out terminals.
- 请避免在使用或运输过程中发生撞击或跌落。为保持产品的性能，撞击或跌落后不建议继续使用。
Please avoid collision or falling during use or transportation. In order to maintain the performance of the product, it is not recommended to continue to use it after impact or fall.
- 当产品使用1个及多个导电铜排连接时，请确保导电铜排与触点端面紧密贴合（多个铜排需确保大电流的导电铜排最贴近触点端面，小电流的导电铜排其次），然后是平垫圈、弹簧垫圈、螺母。不正确的连接顺序可能造成严重过热，参考下图1：
When the product is connected with one or more conductive copper bars, please ensure that the conductive copper bars closely fit the contact terminal surface (The conductive copper bars with high current must be closest to the contact terminal surface if there are multiple copper bars and then conductive busbars with low current), followed by flat washers, spring washers and screws.Incorrect connection sequence perhaps give rise to severe overheating. Refer to Figure 1 as follows:
- 螺钉安装时，螺纹咬合深度不能过浅，否则有可能导致滑牙松脱，建议咬合深度至少螺纹深度的2/3。
When installing the screws, the thread engagement depth shall not be too shallow, otherwise it may cause the sliding teeth to become loose. It is recommended that the engagement depth be at least 2/3 of the thread depth.
- 为防止出现松动，接触器安装时请使用垫圈螺钉锁紧，各部位的螺钉锁紧扭矩请控制在以下范围：
To prevent looseness, the contactor shall be locked with washer screws during installation, and the screw locking torque of each part shall be controlled within the following range:

主负载安装部位 Main loading installation part				接触器壳体安装部位（图2） Contactor shell installation department (figure 2)		
安装方式 Installation method	扭矩要求 Torque requirements	铜排孔径 Diameter of busbar	铜排厚度 Busbar thickness	安装方式 Installation method	扭矩要求 Torque requirements	底板孔径 Diameter of baseboard
M12 螺钉 Screw	20N.m~25N.m	∅ 12.5mm~∅12.7mm	≥7mm	M6 螺钉 Screw	6N.m~8N.m	M6

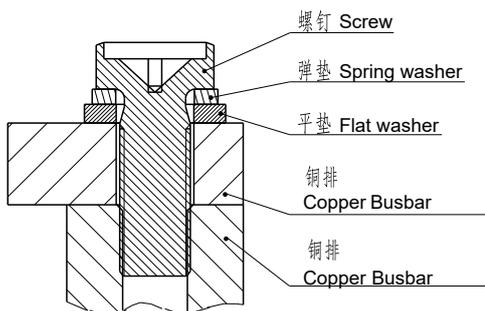


图1(Fig1)

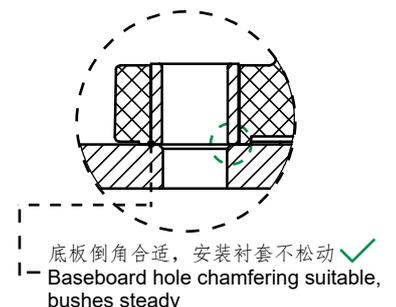
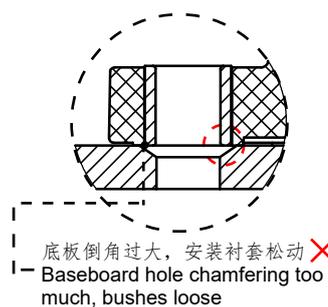


图2(Fig2)