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TESTING
CNAS L0223

XIHARI

No. 250064E

检 验 报 告

TEST REPORT

试品型号: LXS
TYPE
试品名称: LXS 控制系统
DESIGNATION LXS CONTROL SYSTEM
委托单位: 北京和利时智能技术有限公司
APPLICANT BEIJING HOLLYSYS INTELLIGENT TECHNOLOGIES CO., LTD.
制造单位: 北京和利时智能技术有限公司
MANUFACTURER BEIJING HOLLYSYS INTELLIGENT TECHNOLOGIES CO., LTD.
检验类别: 性能试验
CLASSIFICATION PERFORMANCE TEST

西安高压电器研究院股份有限公司

XI'AN HIGH VOLTAGE APPARATUS RESEARCH INSTITUTE CO., LTD.



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注: 对高压开关类型式试验报告包含 6 种基本形式:

note: The six basic type test reports for high-voltage switchgear and controlgear are as follows:

——完整型式试验报告 Type Test Report of Complete Type Test

——绝缘性能型式试验报告 Type Test Report of Dielectric Performance



——温升性能型式试验报告 Type Test Report of Temperature Rise Performance

——短路/开断和关合性能型式试验报告 Type Test Report of Short-Circuit / Making and Breaking Performance

——开合性能型式试验报告 Type Test Report of Switching Performance

——内部电弧性能型式试验报告 Type Test Report of Internal Arc Performance

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3) 研究性试验报告: 报告包含了一项或多项试验, 试验依照客户要求或参照相关标准实施。Researching Test Report: a report contains records of one or more tests carried out based on a recognized standard, or according to the client's instruction.

4) 其它试验报告(委托试验报告、定型试验报告等)。Other (e.g. entrusted test report, prototype test report).

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目录
Table of contents

目录 Table of contents -----1

试品基本信息 Description of the test object-----2

检验结论 Conclusions-----3

试品确认 Identification of the test object-----4

电磁兼容试验总则 -----7

0Hz-150kHz 共模传导骚扰抗扰度试验 Test for immunity to conducted, common mode disturbances in
the frequency range 0Hz to 150kHz-----8



试品基本信息

Description of the test object

型号名称: LXS LXS 控制系统
Type and Designation: LXS Control System
委托单位: 北京和利时智能技术有限公司
Applicant: Beijing HollySys Intelligent Technologies Co., Ltd.
地址: 北京市经济技术开发区地盛中路 2 号院 (100176)
Address: no.2, disheng middle road, beijing economic technological development area, 100176 beijing, p. r. china. (100176)
电话 Tel: 010-58981588
制造单位: 北京和利时智能技术有限公司
Manufacturer: Beijing HollySys Intelligent Technologies Co., Ltd.
地址: 北京市经济技术开发区地盛中路 2 号院 (100176)
Address: no.2, disheng middle road, beijing economic technological development area, 100176 beijing, p. r. china. (100176)
电话 Tel: 010-58981588

制造单位规定的试品主要技术数据 Main technical data assigned by the manufacturer:

额定电压 Rated Voltage	AC 230V	
出厂日期及编号 Manufacture date and serial number	2025-03、1024756698	
注 1: 以上信息和数据由委托单位/制造单位提供, 本实验室不对其准确性负责。 Note1: The above information and data are provided by Applicant/Manufacturer and the laboratory is not responsible for its accuracy. 注 2: “√” 表示该额定值在本检验报告中已得到验证。 Note2: “√” This rating has been proved by the tests in this report.		



检验结论
Conclusions

型号名称: LXS LXS 控制系统
Type and Designation: LXS Control System
委托单位: 北京和利时智能技术有限公司
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Address: no.2, disheng middle road, beijing economic technological development area, 100176 beijing, p. r. china. (100176)
电话 Tel: 010-58981588

依据标准 Standards for Test Performance: IEC 61000-4-16:2015 RLV

实施的项目 Test have been performed:

序号 Serial	项目 Items	参数 Parameters	判定标准 Standards for Verdict	结果 Result
1	0Hz-150kHz 共模传导骚扰 抗扰度试验 Test for immunity to conducted, common mode disturbances in the frequency range 0Hz to 150kHz	/	IEC 61000-4-16:2015 RLV 8	符合 Satisfied

编写
Edited: 韩尚霖

校核
Checked: 刘方川

批准
Approved: 姜楠

日期
Edited Date: 2025-07-10

日期
Checked Date: 2025-07-10

日期
Approved Date: 2025-07-11



试品确认

Identification of the test object

1、试品总体描述 General description of test object:

LXS LXS 控制系统 LXS Control System (1024756698)

2、制造单位声明的试品主要构成元件如下 The main parts of test object assigned by manufacturer as follows:

试品组成 Sample composition

No. 序号	Name 名称	Model 型号	Hardware Version Nmber 硬件版本号	Software Version Number 软件版本号	Manufactur er 生产厂家	Quantity 数量
1	Controller 控制器	LX-CU500	B	02	Hollysys 和利时	1
2	Controller 控制器	LX-CU510	A	01	Hollysys 和利时	1
3	Controller 控制器	LX-CU511	A	01	Hollysys 和利时	1
4	Safety logic module 安全逻辑模块	LX-LG901	A	02	Hollysys 和利时	4
5	Safety power board 安全电源板	LX-PM901	A	—	Hollysys 和利时	6
6	Safety isolation protection module 安全隔离保护模块	LX-AUX901	A	—	Hollysys 和利时	3
7	6-channel safety current type analog input module 6 通道安全电流型模拟量输入模块	LX-AI906	A	01	Hollysys 和利时	3
8	6-channel safety voltage type analog input module 6 通道安全电压型模拟量输入模块	LX-AI907	A	01	Hollysys 和利时	3
9	4-channel safety thermocouple input module 4 通道安全热电偶型输入模块	LX-TC901	A	01	Hollysys 和利时	3
10	4-Channel Safety RTD Input Module 4 通道安全热电阻型输入模块	LX-RTD901	A	01	Hollysys 和利时	3
11	4-Channel Safety Digital Input Module 4 通道安全数字量输入模块	LX-DI906	A	01	Hollysys 和利时	6
12	8-Channel Safety Digital Input Module 8 通道安全数字量输入模块	LX-DI907	A	01	Hollysys 和利时	3

试品确认

Identification of the test object

13	4-Channel Safety Digital Output Module 4 通道安全数字量输出模块	LX-DO906	A	01	Hollysys 和利时	3
14	Safety Power Relay Module 安全电源中继模块	LX-PM903	A	—	Hollysys 和利时	3
15	Start coupler module 始端耦合器	LX-IM001	B	01	Hollysys 和利时	3
16	End coupler module 末端耦合器	LX-IM002	A	01	Hollysys 和利时	3
17	4-channel voltage-current analog output module 4 通道电压电流型输出模块	LX-AO003	A	02	Hollysys 和利时	9
18	2-channel relay type safety digital output module 2 通道继电器型安全数字量输出模块	LX-DO908	A	—	Hollysys 和利时	3
19	2-channel safety digital output module(2A) 2 通道安全数字量输出模块 (2A)	LX-DO907	A	01	Hollysys 和利时	3
20	24V power module 24V 电源模块	PIC240.241C	C	—	PLUS 普尔世	1
21	24V power module 24V 电源模块	PROMAX 240W 24V10A	—	—	Weidmuller 魏德米勒	2
22	Configuration software 组态软件	FA-AutoThink-safety	/	3.2.3	Hollysys 和利时	/
23	Configuration software 组态软件	FA-AutoThink	/	3.2.3Pat ch1	Hollysys 和利时	/

3、制造单位保证试品符合的技术文件 The test object is guaranteed by the manufacturer to comply with the following technical documents:

LXS_78_EMC_TC_N23-E1-002560_C02

4、试品来源 Source of test object: 委托方送样 Provided by the applicant

5、样品确认日期 Date of identification of the test object: 2025-05-06

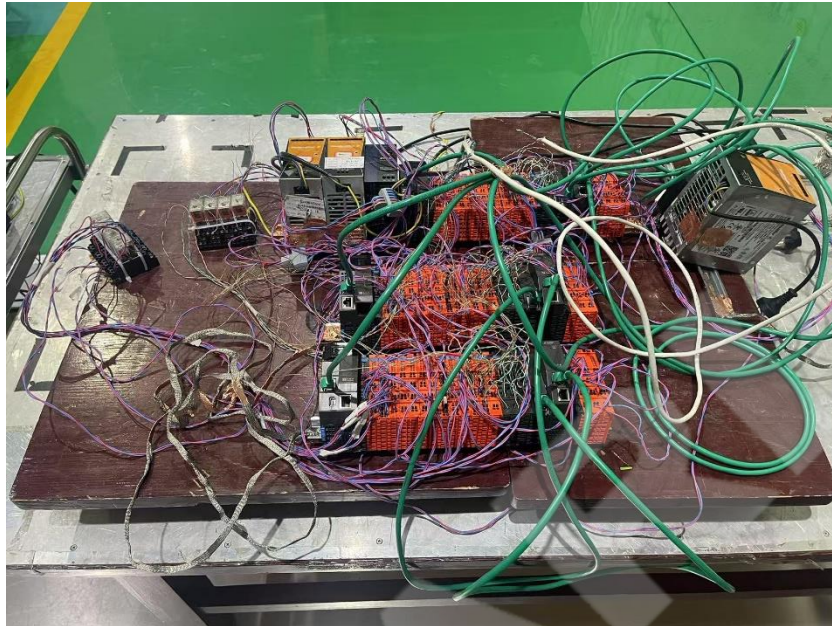
6、委托方代表 Applicant representative:

费沂东 北京和利时智能技术有限公司

Beijing HollySys Intelligent Technologies Co., Ltd.

7、检验日期 Date of tests: 2025-05-06

试品照片 Photographs:



试品照片 EUT Photo

Equipment Name: LXS Control System

设备名称: LXS 控制系统

Equipment number: 1024756698

设备编号: 1024756698

Factory date: March 20th, 2025

出厂日期: 2025-3-20

Equipment model: LXS

设备型号: LXS

Manufacturer: Beijing HollySys Intelligent Technologies Co., Ltd.

制造单位: 北京和利时智能技术有限公司

铭牌照片 Nameplate Photo

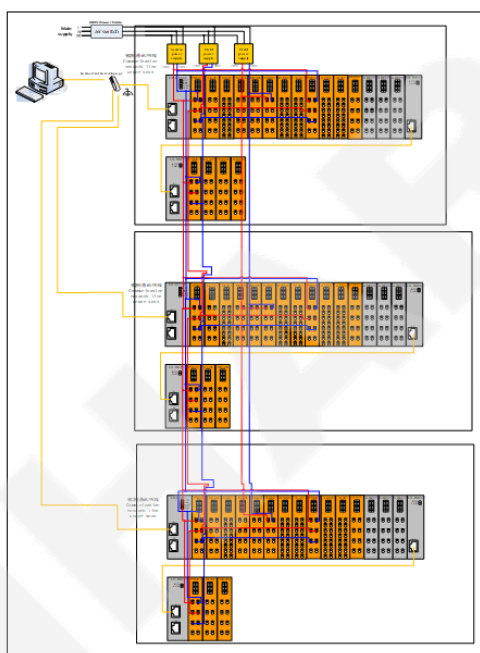
电磁兼容试验总则

General rules of EMC test

1、测量不确定度 Measurement uncertainty:

项目 Item	扩展不确定度 Expanded uncertainty
0Hz-150kHz 共模传导骚扰抗扰度试验 Test for immunity to conducted, common mode disturbances in the frequency range 0Hz to 150kHz	$U=6.8\%$ ($k=2$)

2、试品连接图 Connection diagram of EUT:



3、试品工作状态描述 operating condition description of EUT :

被测试品由交流 220V 供电，产品供电启动后工作正常。

EUT is supplied by AC220V, the EUT is normal after the power is on.

4、试品的抗扰度（敏感度）合格状态判据 Test criterion of EUT:

施加敏感信号时，被测试品能够正常工作。

When the immunity signal is applied, EUT can operate normally.

0Hz-150kHz 共模传导骚扰抗扰度试验

Test for immunity to conducted, common mode disturbances in the frequency range 0Hz to 150kHz

试验日期 Test date: 2025-05-06

试验环境条件: 温度 t = 25.2℃ 相对湿度 RH = 47.6% 大气压力 P = 97.5kPa

Test environment: Temperature Relative humidity Atmospheric pressure

1. 试验依据 Test basics:

IEC 61000-4-16:2015 RLV

2. 试验设备 Test equipments:

设备名称 Name	设备型号 Model	设备编号 Serial number	制造厂家 Manufacturer	证书编号 Certificate number	证书有效期 Validity of certificate
共模传导干扰模拟器 Power frequency magnetic field generator	CWS500N4+ ACS500N2.3	P1251106943	EM TEST	1GA2401628 1-0017	2025-12-15

3. 试验端口 Test ports:

√AC 输入端口 AC input port	□DC 输入端口 DC input port	√信控线端口 Signal port	□接地端口 Grounding port	□整机端口 Whole machine port
220V	/	网口、DO907 信号线	/	/

4. 试验参数 Parameters:

技术条件 Technical condition	电源端口 Power port	信号端口 Signal port
持续骚扰开路试验电压 (V) Continuous disturbance open circuit test voltage	/	10 (DC、16 2/3 Hz、50Hz、60Hz、150Hz、180Hz)
短时驻留骚扰开路试验电压 (V) Short duration disturbance open circuit test voltage	/	100 (DC、16 2/3 Hz、50Hz、60Hz)
1.5kHz~15kHz 骚扰开路试验电压 (V) Disturbance open circuit test voltage from 1.5kHz~15kHz	1~10	/
15kHz~150kHz 骚扰开路试验电压 (V) Disturbance open circuit test voltage from 15kHz~150kHz	10	/
短时驻留骚扰时间 (s) Short duration disturbance time	/	1

0Hz-150kHz 共模传导骚扰抗扰度试验

**Test for immunity to conducted, common mode disturbances in the frequency range
0Hz to 150kHz**



图 CCD01 0Hz-150kHz 共模传导骚扰抗扰度试验照片

Fig.CCD01 Test photo for immunity to conducted, common mode disturbances in the frequency range 0Hz to 150kHz