



INDUSTRIAL SOLUTION SYSTEMS



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INDUSTRIAL SOLUTION SYSTEMS

SF₆ FREE

NXT-12 C-GIS

环保气体绝缘金属封闭式开关设备
NXT-12 C-GIS SF6-Free Insulated Switchgear



纳图电气集团股份有限公司
NATUS ELECTRIC GROUP CO.,LTD.

集团业务 Group Business

集团专注于中低压电力行业的系统集成、EPC工程总包服务及核心产品的研发、生产与销售。在电力设备领域,我们深耕智能电气成套产品、高端电力元器件、先进电能质量治理产品、智能控制仪表与控制系统。基于人工智能与大数据分析的技术积累,我们提供变电站与输电线路的气象灾害预防设备与安全运行综合解决方案。在新技术领域,我们聚焦小区域低空气象高精度预测技术,为低空经济发展提供综合性的产品与服务。



The Group specializes in system integration, EPC turnkey services, and the R&D, production, and sales of core products within the medium and low-voltage power industry. In the field of power equipment, we have deep expertise in intelligent electrical switchgear system, high-end power components, advanced power quality management products, intelligent control instruments, and control systems. Leveraging accumulated expertise in artificial intelligence and big data analytics, we provide comprehensive solutions for meteorological disaster prevention equipment and the safe operation of substations and transmission lines. In the domain of new technologies, we focus on small-area, low-altitude meteorological high-precision prediction technology, offering integrated products and services to support the development of the low-altitude economy.

集团理念 Group Vision

纳图电气集团源自德国,立足中国,服务全球。自1956年成立以来,集团以德国技术为基础,深度融合中国智慧与全球视野,依托强大的中国研发与制造团队,精准响应全球市场需求,为各行业客户提供智慧电力的专业解决方案。集团坚持以客户为中心,致力于创新产品、可靠技术与精益制造,携手全球用户共同构建更智能、高效、可持续的电力能源未来。



Natus Electric Group originates from Germany, is firmly rooted in China, and serves the global market. Since its establishment in 1956, the group has built upon German technology deeply integrating Chinese expertise and a global perspective. Supported by a robust Chinese R&D and manufacturing team, we precisely respond to global market demands, delivering professional intelligent power solutions for clients across various industries. Adhering to a customer-centric approach, the group is committed to innovative products, reliable technology, and lean manufacturing, working hand-in-hand with global users to build a smarter, more efficient, and sustainable future for the power and energy sector.



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NXT-12 C-GIS是纳图电气集团研发的紧凑型大容量开关设备,集成真空断路器与直动式隔离开关机构,采用环保气体绝缘,由真空断路器负责开断灭弧。模块化结构支持灵活组装,最大电流容量2500A、分断电流40kA,性能强劲。

高压带电部件密封于不锈钢气室,防护等级达IP67,可适应潮湿、沙尘暴、多灰尘、箱式变电站及污染严重等恶劣环境。设备支持电动/手动双模式操作,集成四遥功能(遥控、遥调、遥测、遥信),兼容分散与集中控制系统,满足复杂工况需求。

生产中采用先进真空氦检漏仪处理气室和真空箱,确保压力差不超过0.04Mpa,注入氦气后通过真空箱法氦质谱检漏保障密封可靠;另有局部放电测试系统对所有绝缘部件和产品进行100%检测。该产品已通过国家试验机构绝缘、温升、短时耐受及合闸等标准测试,还获得弧阻试认证。

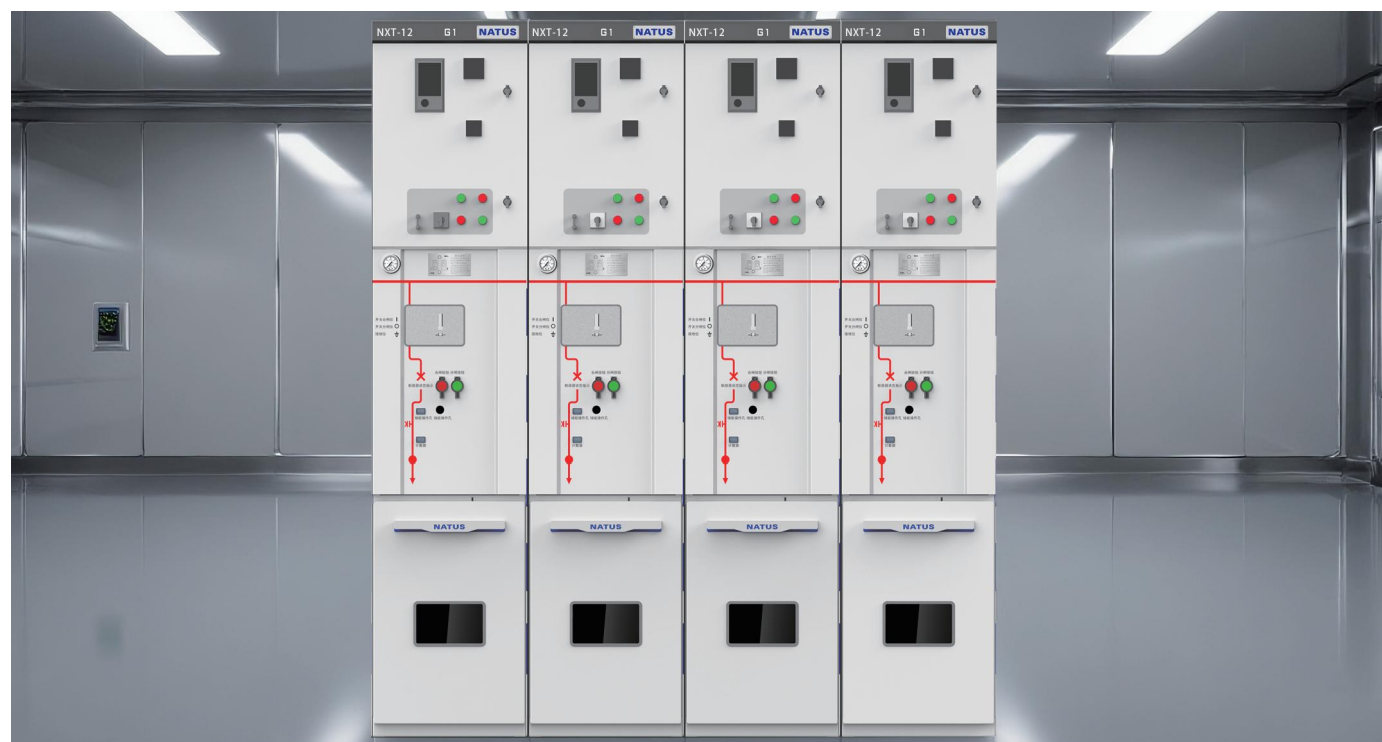
The NXT-12 C-GIS is a compact, high-capacity switchgear developed by Natus Electric Group. It integrates a vacuum circuit breaker with a direct-acting isolator mechanism, utilizing environmentally friendly gas insulation with the vacuum circuit breaker responsible for arc extinction. Its modular structure supports flexible assembly, delivering robust performance with a maximum current capacity of 2500A and a breaking current of 40kA.

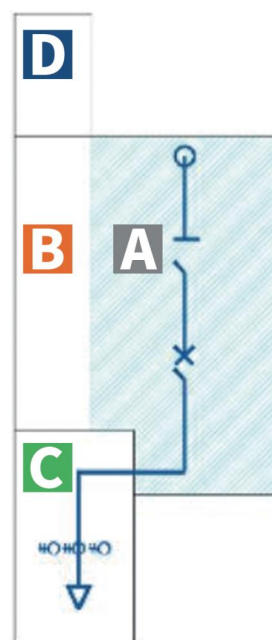
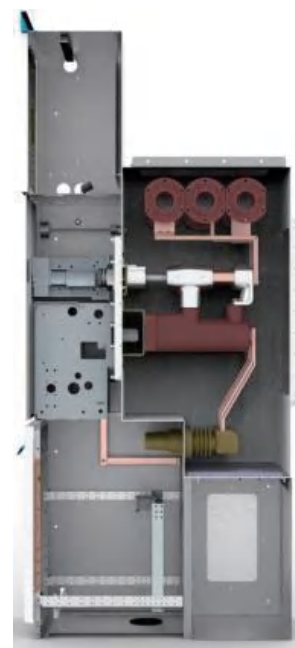
High-voltage live components are sealed within stainless steel gas tank, achieving an IP67 protection rating. This design ensures reliability in harsh environments including humidity, sandstorms, high dust levels, container substations, and severe pollution. The equipment supports dual electric/manual operation modes and integrates four remote functions (remote control, remote adjustment, remote measurement, remote signaling). It is compatible with both distributed and centralized control systems, meeting complex operational requirements.

Advanced vacuum helium leak detectors are employed during production to process gas tank and vacuum boxes, ensuring pressure differentials remain below 0.04 MPa. After helium injection, vacuum box helium mass spectrometry leak detection guarantees reliable sealing. Additionally, a partial discharge testing system conducts 100% inspection on all insulating components and finished products. This product has passed standard tests conducted by national testing institutions for insulation, temperature rise, short-time withstand voltage, and closing performance, and has also obtained arc resistance certification.



- 同时配备机械五防联锁和电气闭锁双重保护功能;
- 当断路器处于合闸位置时,禁止电动或手动操作三工位开关;
- 三位开关采用双操作孔机构,防止三工位开关隔离和接地开关同时合闸操作;
- 当接地位置与断路器同时处于闭合状态时,才能打开柜门进行操作和维护;
- 采用关门操作方式,保障人身安全;
- 标配了完整的机械开关防误保护装置,实现了操作安全性;
- 支持远程监测和操控电动开关装置;
- 完善的保护及通讯,可实现“四遥”功能;
- 设备操作面板具有明显的状态指示及清晰的操作规范;
- Equipped with dual protection functions including mechanical five-prevention interlocking and electrical locking.
- When the circuit breaker is in the closed position, electric or manual operation of the three-position switch is prohibited.
- The three-position switch adopts a dual-operation hole mechanism to prevent simultaneous closing of the isolation and grounding switches in a three-position switch.
- The cabinet door may only be opened for operation and maintenance when both the grounding point and circuit breaker are in the closed position.
- Adopt a door-closing operation method to ensure personal safety.
- Standard equipment includes a complete mechanical switch anti-misoperation protection device, ensuring operational.
- Supports remote monitoring and control of electric switch devices.
- Comprehensive protection and communication capabilities enable the “four remote” functions;
- The equipment control panel features clear status indicators and straightforward operating instructions.





功能隔室
Functional compartments

- A** 气箱
Gas tank
- B** 机构室
Operator compartment
- C** 电缆室
Cable wiring compartment
- D** 低压端子室
Low-voltage terminal compartment

- 本产品采用直动式隔离刀结构, 确保合闸操作稳定性。导电部件采用分级设计: 1250A及以下额定电流采用弹簧触指结构, 2500A及以上采用带式触指结构。单片触指载流能力达40A, 整体具备大载流量和稳定导电特性;
- NXT-12 C-GIS已通过国家试验机构各种型式试验, 作为中压终端配电产品, 广泛应用于光伏、风力发电等新能源项目;
- NXT-12 C-GIS 项目的气室采用3mm 304 不锈钢材料, 采用激光静态密封焊接技术;
- 一次主回路采用 ANSYS 进行电场优化设计, 使所有导体的电场更加均匀, 达到良好的电场和散热性能; 机械传动部分采用有限元仿真分析技术, 确保产品性能可靠, 达到免维护的目的;

- This product employs a direct-acting isolating switch structure to ensure stable closing operation. Conductive components feature a graded design: spring-loaded contact fingers for rated currents of 1250A and below, and strip-type contact fingers for 2500A and above. Each individual contact finger carries up to 40A, delivering high current-carrying capacity and stable electrical conductivity across the entire assembly.
- The NXT-12 C-GIS has passed various type tests conducted by national testing institutions. As a medium-voltage terminal distribution product, it is widely used in new energy projects such as photovoltaic and wind power generation.
- The gas compartment of the NXT-12 C-GIS project is made of 3mm 304 stainless steel and adopts laser static seal welding technology.
- The main circuit employs ANSYS for electric field optimization design, ensuring uniform electric fields across all conductors to achieve excellent electric field distribution and heat dissipation performance. The mechanical transmission components utilize finite element simulation analysis technology to guarantee reliable product performance and achieve maintenance-free operation.

精工品质

EXQUISITE CRAFTSMANSHIP QUALITY

- 该设备支持闭门/开门双模式操作, 满足不同工况需求; 凭借先进的高精度冲孔设备与自动化数控折弯中心,
- 加之精良的生产工艺, 确保零件的高加工精度; 采用优质原材料, 如高强度覆铝锌板, 该材料具备优异的耐腐蚀性和良好的延展性;
- 真空断路器与隔离开关可采用独立间隔或整体间隔设计, 支持分体安装与合并安装两种模式。在独立间隔配置下, 各分隔室均具备电弧故障防护能力; 前门和侧封板采用环氧静电粉末喷涂工艺, 不仅美观,
- 且具有良好的耐候性;
- This electrical equipment supports dual-mode operation for closing and opening doors, meeting diverse operational requirements.
- With advanced high-precision punching equipment and automated CNC bending centers, coupled with sophisticated production processes, we ensure high machining accuracy for components.
- Using premium raw materials such as high-strength aluminum-zinc coated steel sheets, this material offers excellent corrosion resistance and good ductility.
- Vacuum circuit breakers and disconnect switches may be designed with either independent compartments or integrated compartments, supporting both split and combined installation modes. In independent compartment configurations, each compartment possesses arc fault protection capability.
- The front door and side panels feature an epoxy electrostatic powder coating process, which not only enhances aesthetics but also provides excellent weather resistance.

可持续化发展的低碳环保理念

LOW-CARBON ENVIRONMENTAL PROTECTION CONCEPT FOR SUSTAINABLE DEVELOPMENT

- Insulation components are molded from epoxy resin and are recyclable.
- The transmission components undergo surface treatment using an environmentally friendly zinc electroplating process, ensuring zero pollution.
- Long service life of operating mechanism, maintenance-free.
- By integrating technological strengths with cost-effectiveness, optimizing production processes and assembly workflows, we comprehensively enhance operational efficiency.
- Independent low-voltage terminal box, supports prefabricated wiring.
- 绝缘部件采用环氧树脂模压成型, 可回收利用。
- 传动部件采用电镀环保锌工艺进行表面处理, 无污染
- 操作机构寿命长, 免维护。
- 通过融合技术优势与成本效益, 优化生产工艺与装配流程, 全面提升作业效率。
- 独立式低压端子箱, 支持预制化接线。
- 不含 SF6 的气体, 实现可持续发展和面向未来。

安全领航

于电力安全高要求市场, NXT-12 C-GIS开关设备优势尽显。满足5次接地故障关合, 故障线路完全隔离, 人员与操作安全达行业顶尖, 为电力安全保驾护航;

品质制胜

严守高标质量体系, IP67防护气室无惧恶劣环境, 多项测试认证铸就卓越品质, 契合市场对高品质电力设备的追求;

灵活定制

以客户为导向, 先进设备助力灵活工程设计与项目管理, 分散或集中控制方案随心定制, 高效满足多样需求;

模块扩展

模块化设计, 配置多样, 支持顶部扩展, 且预留扩容接口便于后期改造;

组件优选

高质量独立标准组件, 稳定兼容, 保障设备运行, 维护升级更便捷, 增强市场竞争力;

认证保障

通过国家型式试验, 部分指标超国标, 权威认证为品质背书, 市场推广更自信, 客户使用更安心;

集成便捷

集成电工交钥匙工程, 接口优化, 系统无缝对接, 一站式服务提升效率, 减少客户成本风险;

环保先行

不含SF6气体, 绿色环保, 保障性能同时顺应未来趋势;

Safety First

In markets with stringent power safety requirements, the NXT-12 C-GIS switchgear demonstrates its superior advantages. Capable of closing during five-grounded faults, it ensures complete isolation of faulty lines, achieving industry-leading personnel and operational safety to safeguard power security.

Quality Wins

Strictly adhering to high-standard quality systems, the IP67-rated protective gas tank withstands harsh environments. Multiple testing certifications ensure exceptional quality, meeting the market's demand for high-quality power equipment.

Flexible customization

Customer-centric approach, advanced equipment enabling flexible engineering design and project management, customized decentralized or centralized control solutions to efficiently meet diverse needs.

Module Extension

Modular design with diverse configurations, supporting top-mounted expansion and featuring reserved expansion interfaces for future upgrades.

Component Selection

High-quality independent standard components ensure stable compatibility, safeguard equipment operation, facilitate maintenance and upgrades, and enhance market competitiveness.

Certification Assurance

Passed national type testing with certain metrics exceeding national standards. Authoritative certification serves as a quality endorsement, boosting market confidence and ensuring customer peace of mind.

Seamless Integration

Turnkey electrical integration projects, optimized interfaces, seamless system integration, one-stop services to boost efficiency and reduce customer cost risks.

Environmental Protection First

Free of SF6 , environmentally friendly, ensuring performance while aligning with future trends.
05 / NXT-12 C-GIS



国家电网
State Grid Corporation of China (SGCC)



南方电网
China Southern Power Grid Company Limited(CSG)



变电站
Electrical Substation



储能行业
Energy Storage Industry



风力发电
Wind Power Generation



工厂建设
Industrial Plant Construction



光伏新能源
Solar PV New Energy



热电行业
Thermal Power Industry



化工和石化行业
Chemical&Petrochemical Industry



石油和天然气行业
Oil &Gas Industry



市政公用事业和配电
Municipal Utilities &Power Distribution



纸浆和造纸行业
Pulp&Paper Industry

技术参数Technical Specifications

电气参数 Electrical data			
额定电压 Rated voltage	Ur	12	kV
额定频率 Rated frequency	fr	50/60	Hz
额定工频耐受电压 Rated power-frequency withstand voltage	Ud	42/48	kV
额定雷电冲击耐受电压 Rated lightning impulse withstand voltage	Up	75/85	kV
额定母线电流 Rated busbar current	Ir	3150	A
额定电流工作电流 Rated current Operating curent		3150	A
额定短时耐受电流 Rated short-time withstand current	lk	25/31.5/40	kA
额定短路时间 Rated short circuit period	tk	4	s
额定冲击电流 Rated impulse current	Ip (50Hz)	63/80/100	kA

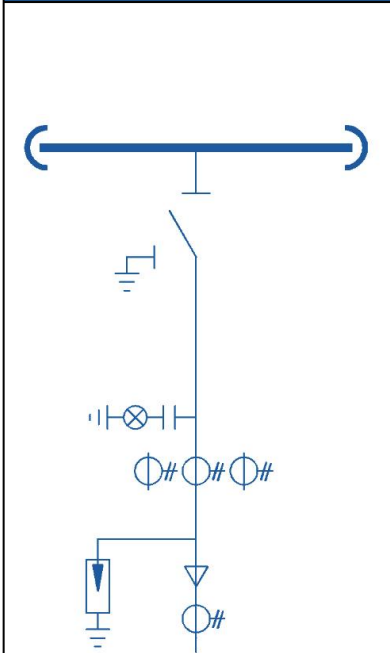
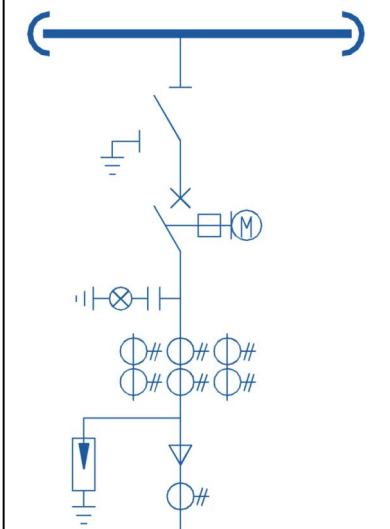
IAC电弧故障鉴定 IAC Arc fault qualification				
可达性程度 Degree of accessibility			AFLR	
电弧故障试验电流 Arc fault test current			25/31.5/40	kA
电弧故障试验电流持续时间 Duration of arc fault test current			1	S
规格尺寸 Dimensions				
柜体高度 Cubicle height			2,300	mm
柜体深度 Cubicle depth			950	mm
柜体宽度 Cubicle width	断路器柜 Circuit breaker cubicle	630A	500/600	mm
	断路器柜 Circuit breaker cubicle	1250 A	500/600	mm
	断路器柜 Circuit breaker cubicle	2500 A	800	mm
防护等级 Protection class				
外部外壳 External housing		IP4X		
气室 Gas tank		IP67		

适用标准

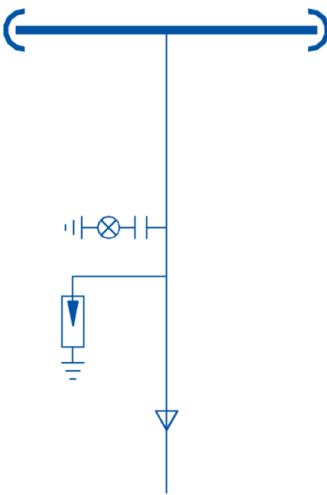
- 产品满足 GB/T3906-2020 、GB/T11022 -2020及GB/T1984-2024等试验项目要求；
- 气室默认为“失去服务类别”LSC1, 根据可以需求, 可以定制LSC2；
- 满足国网标准化及《国家电网公司 十八项电网重大反事故措施》要求；

Applicable Standard:

- The product meets the requirements of test items such as GB/T3906-2020,GB/T11022-2020 and GB/T1984-2024.
- Gas tanks default “lost service category” LSC1, according to can demand,can be customized LSC2 .
- Meet the standardization of national network.

G单元 隔离开关方案 (Unit G , Disconnecter Solution)																		
	功能 (Function) 三位置负荷开关用于连接或断开进出线电缆与母线, 同时可对进出线电缆进行三相接地。 Three-position disconnect switches are used to connect or disconnect incoming and outgoing cables from busbars, while also enabling three-phase grounding of the incoming and outgoing cables.																	
	配置(Configuration) <table><tr><td>a 母线电流 (A) :2500</td><td>a Maximum busbar current (A): 2500</td></tr><tr><td>b 三位置隔离负荷开关</td><td>b Three-position isolating switch</td></tr><tr><td>c 气体压力指示表</td><td>c Gas pressure gauge</td></tr><tr><td>d 弹簧操动机构</td><td>d Spring-operated mechanism</td></tr><tr><td>e 带电显示器</td><td>e Charged display</td></tr><tr><td>f 机械五防联锁装置</td><td>f Mechanical five-prevention interlocking device</td></tr><tr><td>g 电流互感器</td><td>g Current transformer</td></tr><tr><td>h 避雷器</td><td>h Surge arrester</td></tr></table>	a 母线电流 (A) :2500	a Maximum busbar current (A): 2500	b 三位置隔离负荷开关	b Three-position isolating switch	c 气体压力指示表	c Gas pressure gauge	d 弹簧操动机构	d Spring-operated mechanism	e 带电显示器	e Charged display	f 机械五防联锁装置	f Mechanical five-prevention interlocking device	g 电流互感器	g Current transformer	h 避雷器	h Surge arrester	
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V单元 真空断路器方案 (Unit V , Vacuum Circuit Breaker Solution)																		
	功能 (Function) 三位置隔离开关与真空断路器组合使用, 其中真空断路器用于分断额定电流和故障电流, 三位置隔离开关用于将设备与电源侧隔离, 这类组合常用于大容量线路或变压器的控制与保护。 The three-position isolating switch is used in combination with a vacuum circuit breaker, where the vacuum circuit breaker is employed to interrupt rated current and fault current, while the three-position isolating switch serves to isolate equipment from the power supply side. This combination is commonly used for the control and protection of high-capacity lines or transformers.																	
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D单元 电缆直连方案(Unit D , Cable Direct Connection Solution)



功能 (Function)

常用于连接进出线电缆或作为母联提升柜。
Commonly used for connecting incoming and outgoing cables or as a bus tie riser cabinet.

配置(Configuration)

a 最大母线电流 (A) :2500

a Maximum busbar current (A): 2500

b 带电显示器

b Charged display

c 避雷器

c Surge arrester

09 / NXT-12 C-GIS

NXT-12环保气体绝缘成套设备证书

Certificate of NXT-12 C-GIS

SF6-Free Insulated Switchgear

MA

230008349829

中国合格评定国家认可委员会

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中国合格评定国家认可委员会

实验室名称: 苏州电器科学研究院股份有限公司

国家电器产品质量检验检测中心

Lab Name: Suzhou Electrical Apparatus Science Research Institute Co., Ltd.

China National Center for Quality Inspection and Test of Electrical Apparatus Products

No 25Q3097-S

检验 (试验) 报告

Test Report

委托单位: 纳图 (常州) 电气股份有限公司

Client:

产品名称: C-GIS 环保气体绝缘金属封闭式开关设备

Name of Product:

产品型号: NXT-12/1250-25

Product Type:

检验类别: 型式试验

Test Category:

本实验室对出具的检验 (试验) 结果负责, 未经实验室书面同意, 不得部分地复制本报告。

The laboratory is responsible for the inspection (Test) results. The report shall not be reproduced except in full, written approval of the laboratory.

NXT-12环保气体绝缘断路器元件证书

Certificate of NXT-12 C-GIS SF6-Free

Circuit Breaker Component

MA

230008349829

中国合格评定国家认可委员会

中国合格评定国家认可委员会

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中国合格评定国家认可委员会

实验室名称: 苏州电器科学研究院股份有限公司

国家电器产品质量检验检测中心

Lab Name: Suzhou Electrical Apparatus Science Research Institute Co., Ltd.

China National Center for Quality Inspection and Test of Electrical Apparatus Products

No 25K1253-S

检验 (试验) 报告

Test Report

委托单位: 纳图 (常州) 电气股份有限公司

Client:

产品名称: 气体绝缘开关设备用真空断路器

Name of Product:

产品型号: NXT-12-CP/1250-25

Product Type:

检验类别: 型式试验

Test Category:

本实验室对出具的检验 (试验) 结果负责, 未经实验室书面同意, 不得部分地复制本报告。

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报告编号: 25Q3097-S	第 7 页 共 379 页	
苏州电器科学研究院股份有限公司	检验报告	NXT-12/1250-25 C-GIS 环保气体绝缘金属封闭式开关设备
检验结论		
实施的试验项目及检验结果	电寿命试验 [12kV 25kA 额定短路开断电流下累计开断 30 次]	合格
	异相接地故障试验 [12kV 21.8kA]	合格
	失步开合和开断试验 [OP1: 17.3kV 1.9kA]	合格
	[OP2: 17.3kV 6.3kA]	合格
	电寿命试验 [C21 12kV 10A-40A 24 次 "O"]	合格
	[C2 12kV ≥100A 24 次 "CO"]	合格
	线路充电电流开合试验 [LC1 12kV 1A-4A 24 次 "O"]	合格
	[LC2 12kV ≥10A 24 次 "CO"]	合格
	接地开关短路关合能力试验 (接地开关合闸, 断路器开合) [12kV 63kA 峰值 5 次]	合格
	机械操作试验	合格
依据标准	机械特性测量试验	合格
	机械寿命试验 [断路器/隔离开关/接地开关: 20000 次/3000 次/3000 次]	合格
	充气隔室气体状态测量试验 [气体含水量 < 150 μL/L]	合格
	充气隔室的压力耐受试验 [设计压力: 0.07MPa]	合格
	内部电弧试验 [电寿命: IAC 级 AFLR 12kV 25kA 63kA 峰值 1s]	合格
	[开关至: IAC 级 AFLR 12kV 25kA 63kA 峰值 1s]	合格
	高温试验 [+55℃ 18h]	合格
	低温试验 [-40℃ 18h]	合格
	凝露试验	合格
	GB/T 1982-2020 《高压交流开关设备和控制设备标准的共用技术要求》中 7.4、7.6、7.7、7.8、7.9、7.10、7.11	
检验结论	GB/T 3906-2020 《3.6 kV~40.5 kV 交流金属封闭开关设备和控制设备》中 7.4、7.6、7.7、7.8、7.9、7.10、7.11、7.102、7.103、7.109	
	GB/T 1984-2024 《高压交流断路器》中 7.101、7.107、7.108、7.110、7.111、7.112	
	GB/T 1985-2023 《高压交流隔离开关和接地开关》中 7.101、7.102	
	DL/T 404-2018 《3.6 kV~40.5 kV 交流金属封闭开关设备和控制设备》中 6.2、6.5、附录 M	
	GB/T 2423.2-2008 《电工电子产品环境试验 第 2 部分: 试验方法 试验 B: 温度变化》	
	GB/T 2423.1-2008 《电工电子产品环境试验 第 2 部分: 试验方法 试验 A: 低温》	
	经过对纳图 (常州) 电气股份有限公司生产的 NXT-12/1250-25 C-GIS 环保气体绝缘金属封闭式开关设备进行了型式试验, 检验结果符合上述标准的要求, 检验合格。	
	注: 本报告仅对送检样品负责。	

报告编号: 25K1253-S	第 6 页 共 496 页	
苏州电器科学研究院股份有限公司	检验报告	NXT-12-CP/1250-25 气体绝缘开关设备用真空断路器
检验结论		
实施的试验项目及检验结果	T30 [12kV 7.5kA]	合格
	T60 [12kV 15kA]	合格
	T100s [12kV 25kA 63kA 峰值]	合格
	T100a [12kV 25kA DC: 52%]	合格
	电寿命试验 (E2 级) [12kV 25kA 额定短路开断电流下累计开断 30 次]	合格
	异相接地故障试验 [12kV 21.8kA]	合格
	失步开合和开断试验 [OP1: 17.3kV 1.9kA]	合格
	[OP2: 17.3kV 6.3kA]	合格
	电寿命试验开合试验 (C2 级) [C2 12kV 10A-40A 24 次 "O"]	合格
	[C2 12kV ≥100A 24 次 "CO"]	合格
依据标准	线路充电电流开合试验 (C2 级) [LC1 12kV 1A-4A 24 次 "O"]	合格
	[LC2 12kV ≥10A 24 次 "CO"]	合格
	三相电寿命试验 (单个) 电寿命开合试验 (C2 级) [BC1: 12kV 63A-252A 24 次 "O"]	合格
	[BC2: 12kV 630A 80 次 "CO"]	合格
	三相电寿命试验 (背对背) 电寿命开合试验 (C2 级) [BC1: 12kV 40A-160A 24 次 "O"]	合格
	[BC2: 12kV 400A 80 次 "CO"]	合格
	充气隔室气体状态测量试验 [气体含水量 ≤150 μL/L]	合格
	充气隔室的压力耐受试验 设计压力: 0.07MPa	合格
	GB/T 3906-2020 《3.6 kV~40.5 kV 交流金属封闭开关设备和控制设备》中 7.103	
	GB/T 1984-2024 《高压交流断路器》中 7.4、7.6、7.8、7.9、7.10、7.11、7.107、7.108、7.110、7.111、7.112	
检验结论	DL/T 402-2016 《高压交流断路器》中 6.2、6.5	
	经过对纳图 (常州) 电气股份有限公司生产的 NXT-12-CP/1250-25 气体绝缘开关设备用真空断路器进行了型式试验, 检验结果符合上述标准的要求, 检验合格。	
	注: 本报告仅对送检样品负责。	

NXT-12 C-GIS / 10



PRECISION IN DETAIL