Test Report issued under the responsibility of:

TEST REPORT
IEC 62368-1
Audio/video, information and communication technology equipment
Part 1: Safety requirements

Report Number ..... :	SHES230901832802-M1
Date of issue ..... :	2023-10-25; Amendment 1: 2024-02-04
Total number of pages ..... :	16 pages
Name of Testing Laboratory preparing the Report ..... :	SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.
Applicant's name ..... :	Hangzhou Hikvision Digital Technology Co., Ltd.
Address ..... :	No. 555 Qianmo Road, Binjiang District, Hangzhou 310052, China
Test specification:	
Standard ..... :	IEC 62368-1:2014
Test procedure ..... :	CB Scheme
Non-standard test method ..... :	N/A
TRF template used ..... :	IECEE OD-2020-F1:2021, Ed.1.4
Test Report Form No. ..... :	IEC62368_1D
Test Report Form(s) Originator .. :	UL(US)
Master TRF ..... :	Dated 2022-04-14

If this Test Report Form is used by non-IECEE members, the IECEE/IEC logo and the reference to the CB Scheme procedure shall be removed.

This report is not valid as a CB Test Report unless signed by an approved CB Testing Laboratory and appended to a CB Test Certificate issued by an NCB in accordance with IECEE 02.

General disclaimer:

The test results presented in this report relate only to the object tested.
This report shall not be reproduced, except in full, without the written approval of the Issuing CB Testing Laboratory. The authenticity of this Test Report and its contents can be verified by contacting the NCB, responsible for this Test Report.

Test Item description ..... :		Network Video Recorder	
Trade Mark(s) ..... :		HIKVISION	
Manufacturer..... :		Same as applicant	
Model/Type reference ..... :		See page 10-11	
Ratings ..... :		100V-240V~, 50/60Hz, 1,5 A Max; Class I	
Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):			
☒	**CB Testing Laboratory:**	SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.	
Testing location/ address .....:		588 West Jindu Road, Xinqiao, Songjiang, 201612 Shanghai, China.	
Tested by (name, function, signature) .....:		Emilien Li Project engineer	Emilien Li
Approved by (name, function, signature) .....:		Leo Wang Reviewer	leo wang
☐	**Testing procedure: CTF Stage 1:**		
Testing location/ address ..... :			
Tested by (name, function, signature) .....:			
Approved by (name, function, signature) .....:			
☐	**Testing procedure: CTF Stage 2:**		
Testing location/ address .....:			
Tested by (name, function, signature) .....:			
Witnessed by (name, function, signature).....:			
Approved by (name, function, signature) .....:			
☐	**Testing procedure: CTF Stage 3 :**		
☐	**Testing procedure: CTF Stage 4:**		
Testing location/ address .....:			
Tested by (name, function, signature) .....:			
Witnessed by (name, function, signature).....:			
Approved by (name, function, signature) .....:			
Supervised by (name, function, signature) .....:			

List of Attachments (including a total number of pages in each attachment):

N/A

Summary of testing:

The sample(s) tested complies with the requirements of IEC 62368-1: 2014 (Second Edition), EN 62368-1:2014+A11:2017 and AS/NZS 62368.1:2018.

Unless otherwise specified, the EUT with model DS-7732NI-I4 (including building-in power supply: SFXA1071A; main board: 80570 and DC fan: ME60151V3-000C-A99) was selected as representative model for full testing. Models DS-7732NI-K4 (including building-in power supply: DPS-75AB-1 A), DS-7732NI-K4 (including building-in power supply: DPS-80PB-10 B) and DS-7732NI-M4 (including building-in power supply: U1A-G10075-S-A1) were selected for part testing due to the different building-in power supply.

Maximum normal load:

USB2.0 load 0,5A, DC 12V Output load 1A, Ctrl 12V output load 0,5A, HDD 8T 10W*4.

All test conducted when EUT with DC fan ME60151V3-000C-A99.

Heating test:
Tma = 55°C (declared by manufacturer)

K-type thermocouple used for temperature measurement.

Tests performed (name of test and test clause):	**Testing location:**
N/A	N/A

Summary of compliance with National Differences (List of countries addressed):

1. EU Group Differences (EN 62368-1:2014+A11:2017)
2. EU Special National Conditions, EU A-deviations: DE, DK, FI, GB, IE, NO, SE
3. Australia and New Zealand Differences (AS/NZS 62368.1:2018)

Explanation of used codes: DE=Germany, DK=Denmark, FI=Finland, GB= United Kingdom, IE=Ireland, NO=Norway, SE=Sweden

☒ **The products fulfil the requirements** which have been considered in original CB Test Report Ref. SHES230901832801, dated on 2023-10-25 and this report.

Use of uncertainty of measurement for decisions on conformity (decision rule) :

☒ No decision rule is specified by the IEC standard, when comparing the measurement result with the applicable limit according to the specification in that standard. The decisions on conformity are made without applying the measurement uncertainty (“simple acceptance” decision rule, previously known as “accuracy method”).

☐ Other:… (to be specified, for example when required by the standard or client, or if national accreditation requirements apply)

Information on uncertainty of measurement:

The uncertainties of measurement are calculated by the laboratory based on application of criteria given by

OD-5014 for test equipment and application of test methods, decision sheets and operational procedures of IECEE.
IEC Guide 115 provides guidance on the application of measurement uncertainty principles and applying the decision rule when reporting test results within IECEE scheme, noting that the reporting of the measurement uncertainty for measurements is not necessary unless required by the test standard or customer.

Calculations leading to the reported values are on file with the NCB and testing laboratory that conducted the testing.

Copy of marking plate:

The artwork below may be only a draft. The use of certification marks on a product must be authorized by the respective National Certification Body that own these marks.

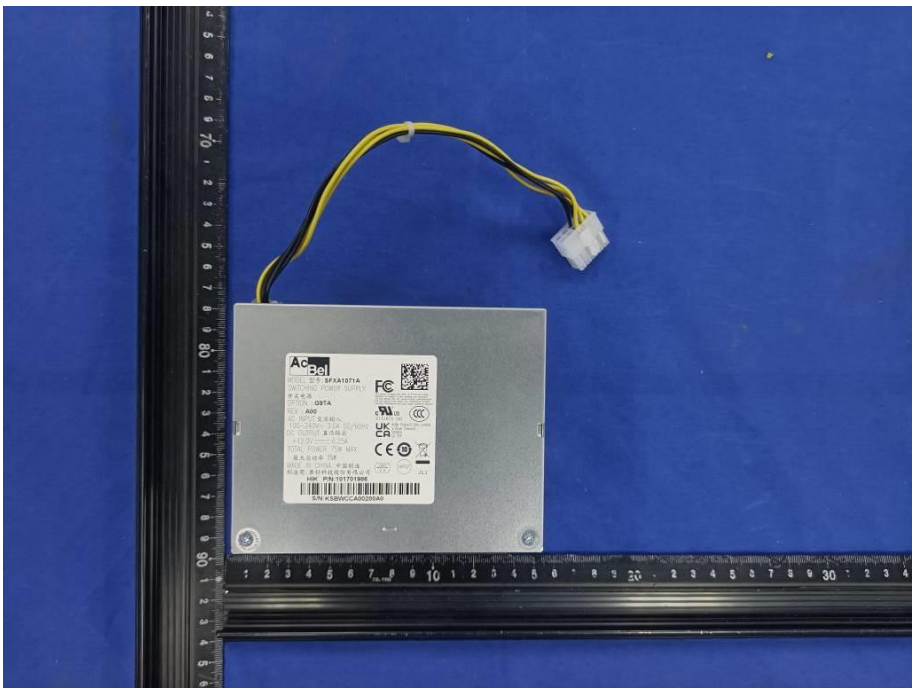
Marking for model DS-7732NI-I4

Marking for model DS-7732NI-K4

Marking for model DS-7932NXI-K4

Marking for built-in power supply (model DPS-75AB-1 A)

Marking for Alternative built-in power supply (model SFXA1071A)



Marking for Alternative built-in power supply (model U1A-G10075-S-A1)

Marking for Alternative built-in power supply (model DPS-80PB-10 B)

Remark:

1) The Height of CE/UKCA logo shall not be less than 5 mm; Height of WEEE logo shall not be less than 7 mm.
2) The marking plates for other models are of the same pattern except for model name.
3) As declared by the applicant, the importer (and manufacturer, if it is different)'s name, registered trade name or registered trade mark and the postal address will be marked on the products before being placed on the market. The contact details shall be in a language easily understood by end-users and market surveillance authorities.

TEST ITEM PARTICULARS:	
Classification of use by.....:	☒ Ordinary person ☒ Instructed person ☒ Skilled person ☐ Children likely to be present
Supply Connection .....:	☒ AC Mains ☐ DC Mains ☐ External Circuit - not Mains connected - ☐ ES1 ☐ ES2 ☐ ES3
Supply % Tolerance .....:	☒ +10%/-10% ☐ +20%/-15% ☐ +____%/ -_____% ☐ None
Supply Connection – Type .....:	☒ pluggable equipment type A - ☐ non-detachable supply cord ☒ appliance coupler ☐ direct plug-in ☐ mating connector ☐ pluggable equipment type B - ☐ non-detachable supply cord ☐ appliance coupler ☐ permanent connection ☐ mating connector ☐ other: Not directly connected to mains
Considered current rating of protective device as part of building or equipment installation..... :	16 A for other area; 20A for north America Installation location: ☒ building; ☐ equipment
Equipment mobility..... :	☒ movable ☐ hand-held ☐ transportable ☐ stationary ☐ for building-in ☐ direct plug-in ☐ rack-mounting ☐ wall-mounted
Over voltage category (OVC) ..... :	☐ OVC I ☒ OVC II ☐ OVC III ☐ OVC IV ☐ other:
Class of equipment ..... :	☒ Class I ☐ Class II ☐ Class III
Access location ..... :	☐ restricted access location ☒ N/A
Pollution degree (PD) ..... :	☐ PD 1 ☒ PD 2 ☐ PD 3
Manufacturer's specified maxium operating ambient ..... :	55°C
IP protection class ..... :	☒ IPX0 ☐ IP___
Power Systems ..... :	☒ TN ☒ TT ☐ IT - ____ V_{L-L}
Altitude during operation (m) ..... :	☒ 2000 m or less ☐ _____ m
Altitude of test laboratory (m) ..... :	☒ 2000 m or less ☐ 100 m
Mass of equipment (kg) ..... :	☒ 4,1 kg (for DS-7732NI-K4, with HDD), ☒ 4,1 kg (for DS-7732NI-I4, with HDD)

Possible test case verdicts:	
- test case does not apply to the test object .....:	N/A
- test object does meet the requirement .....:	P (Pass)
- test object does not meet the requirement .....:	F (Fail)
Testing .....:	
Date of receipt of test item .....:	N/A
Date (s) of performance of tests .....:	N/A

General remarks:

"(See Enclosure #)" refers to additional information appended to the report.
"(See appended table)" refers to a table appended to the report.

Throughout this report a ☒ comma / ☐ point is used as the decimal separator.

Manufacturer's Declaration per sub-clause 4.2.5 of IECEE 02:

The application for obtaining a CB Test Certificate includes more than one factory location and a declaration from the Manufacturer stating that the sample(s) submitted for evaluation is (are) representative of the products from each factory has been provided.....:	☒ **Yes** ☐ **Not applicable** Factory declaration letter, pdf, dated on 2023-01-04.

When differences exist; they shall be identified in the General product information section.

Name and address of factory (ies).....:	1. Hangzhou Hikvision Technology Co., Ltd. No. 700, Dongliu Road, Binjiang District, Hangzhou City, Zhejiang, 310052, China 2. Hangzhou Hikvision Electronics Co., Ltd. No. 299, Qiushi Road, Tonglu Economic Development Zone, Tonglu County, Hangzhou, Zhejiang, 311500, China 3. Chongqing Hikvision technology Co., Ltd. No. 118, Haikang Road, Area C, Jianqiao Industrial Park, Dadukou District, Chongqing, 401325, China

General product information and other remarks:

Product Description –

Functions	The equipment under test is a Class I Network Video Recorder which powered by certified built-in power supply.
Material of enclosure	Metal & plastic
Interface	AUDIO IN, AUDIO OUT, USB2.0, USB3.0, VGA, HDMI, RS-232, RS-485, LAN, eSATA, ALARM IN/OUT, VIDEO
Others	Indoor use only

Model list:

DS-7732NI-K4	DS-7732NI-K4UHK	DS-7732NI-K4CKV
DS-7732NI-K4UVS	DS-7732NI-K4HUN	DS-7732NI-K4KVO
DS-7716NI-K4	DS-7716NI-K4UHK	DS-7716NI-K4CKV
DS-7716NI-K4UVS	DS-7716NI-K4HUN	DS-7716NI-K4KVO
DS-7708NI-K4	DS-7708NI-K4UHK	DS-7708NI-K4CKV
DS-7708NI-K4UVS	DS-7708NI-K4HUN	DS-7708NI-K4KVO
DS-7708NI-I4	DS-7708NI-I4(D)	DS-7708NI-I4UHK
DS-7708NI-I4CKV	DS-7708NI-I4UVS	DS-7708NI-I4KVO
DS-7708NI-I4HUN	DS-7716NI-I4	DS-7716NI-I4UHK
DS-7716NI-I4CKV	DS-7716NI-I4UVS	DS-7716NI-I4KVO
DS-7716NI-I4HUN	DS-7732NI-I4	DS-7732NI-I4UHK
DS-7732NI-I4CKV	DS-7732NI-I4UVS	DS-7732NI-I4KVO
DS-7732NI-I4HUN	DS-7732NXI-I4/S	DS-7732NXI-I4/SUHK
DS-7732NXI-I4/SCKV	DS-7732NXI-I4/SUVS	DS-7732NXI-I4/SKVO
DS-7732NXI-I4/SHUN	DS-7716NXI-I4/S	DS-7716NXI-I4/SUHK
DS-7716NXI-I4/SCKV	DS-7716NXI-I4/SUVS	DS-7716NXI-I4/SKVO
DS-7716NXI-I4/SHUN	DS-7908NXI-K4	DS-7908NXI-K4UHK
DS-7908NXI-K4CKV	DS-7908NXI-K4UVS	DS-7908NXI-K4KVO
DS-7908NXI-K4HUN	DS-7916NXI-K4	DS-7916NXI-K4UHK
DS-7916NXI-K4CKV	DS-7916NXI-K4UVS	DS-7916NXI-K4KVO
DS-7916NXI-K4HUN	DS-7932NXI-K4	DS-7932NXI-K4UHK
DS-7932NXI-K4CKV	DS-7932NXI-K4UVS	DS-7932NXI-K4KVO
DS-7932NXI-K4HUN	DS-7708NXI-K4	DS-7708NXI-K4UHK
DS-7708NXI-K4CKV	DS-7708NXI-K4UVS	DS-7708NXI-K4KVO
DS-7708NXI-K4UHN	DS-7716NXI-K4	DS-7716NXI-K4UHK
DS-7716NXI-K4CKV	DS-7716NXI-K4UVS	DS-7716NXI-K4KVO
DS-7716NXI-K4UHN	DS-7732NXI-K4	DS-7732NXI-K4UHK
DS-7732NXI-K4CKV	DS-7732NXI-K4UVS	DS-7732NXI-K4KVO
DS-7732NXI-K4UHN	DS-7716NI-M4	DS-7716NI-M4UHK
DS-7716NI-M4CKV	DS-7716NI-M4UVS	DS-7716NI-M4KVO
DS-7716NI-M4HUN	DS-7716NI-M4/EDU	DS-7716NI-M4/RTL
DS-7716NI-M4/NRG	DS-7716NI-M4/LGX	DS-7716NI-M4/MFG
DS-7716NI-M4/RMS	DS-7732NI-M4	DS-7732NI-M4UHK
DS-7732NI-M4CKV	DS-7732NI-M4UVS	DS-7732NI-M4KVO
DS-7732NI-M4HUN	DS-7732NI-M4/EDU	DS-7732NI-M4/RTL
DS-7732NI-M4/NRG	DS-7732NI-M4/LGX	DS-7732NI-M4/MFG
DS-7732NI-M4/RMS	DS-7764NI-M4	DS-7764NI-M4on
DS-7764NI-M4UHK	DS-7764NI-M4CKV	DS-7764NI-M4UVS
DS-7764NI-M4KVO	DS-7764NI-M4HUN	NVR-432MH-B

Each model can use combination with four types of main boards, four types of front panel, three types of DC fan and four types of building-in power supplies.
Details see below tables.

Building-in power supply	Main board	DC Fan
DPS-75AB-1 A	80540	ME60151V3-000C-A99[3)]
SFXA1071A[1)]	80475	EFC-06C12H
U1A-G10075-S-A1	80570[2)]	MGA6012SR-O15
DPS-80PB-10 B	80502	--

1) With the highest temperature.
2) With the maximum power consumption.
3) With the minimum air flow.

Amendment 1 Report:

The original Test Report Ref. No. SHES230901832801, dated on 2023-10-25 was modified to include following changes and/or additions:

-Add some approved IC for terminals, please see table 4.1.2 with bold for details.

After comparison, no tests were considered necessary.

This test report is not valid without the original CB Test Report Ref. No. SHES230901832801, dated on 2023-10-25.

Model Differences –

All the models are identical except for model name, and sales regions and sales channel.

Additional application considerations – (Considerations used to test a component or sub-assembly) –

N/A

IEC 62368-1			
Clause	Requirement + Test	Result - Remark	Verdict

4.1.2	TABLE: List of critical components				P
Object / part No.	**Manufacturer/ trademark**	**Type / model**	**Technical data**	**Standard**	**Mark(s) of conformity[1]**
Metal enclosure (Fire enclosure)	Interchangeable	Interchangeable	Min. 0,8 mm thickness	IEC 62368-1: 2014 (Second Edition) and EN 62368-1:2014+A11:2017	Tested with appliance
Plastic Faceplate	KINGFA SCI & TECH CO LTD	FRABS-518	V-0, Min. thickness 1,7mm, 60°C	UL 94 UL 746	UL E171666
Alternative	KINGFA SCI & TECH CO LTD	FRABS-518	V-0, Min. thickness 2,5mm, 60°C	UL 94 UL 746	UL E171666
Alternative	KINGFA SCI & TECH CO LTD	HF-606	Min. thickness 1,7mm, V-0, 60°C	UL 94 UL 746	UL E171666
Alternative	KINGFA SCI & TECH CO LTD	HF-606	Min. thickness 2,5mm, V-0, 60°C	UL 94 UL 746	UL E171666
Building-in power supply	Delta Electronics, Inc.	DPS-75AB-1 A	Input: 100-240V~, 2A, 50Hz-60Hz; Output: +3,3V/3A; +5V/5A; +12V/3A; +5VSB/0,6A; Max. Combined Power 60W, Class I	IEC 62368-1:2014	TÜVRheinland CB Cert No.: JPTUV-135590, Report No.: CN22GXTK 001
Alternative	Acbel Polytech Inc.	SFXA1071A	Input: 100-240V~, 3,0A, 50Hz/60Hz; Output: +12,0V/6,25A; Total power 75W MAX, Class I	IEC 62368-1:2018	TÜV Rheinland CB Ref No.: JPTUV-129761-M1; Report No.: CN21EA1T 002
Alternative	Delta Electronics, Inc.	U1A-G10075-S-A1	Input: 100-240Vac, 2A, 47-63Hz; Output: 12Vdc, 6,25A, 75W, Class I	IEC 62368-1:2014	UL CB Cert No.: DK-99730-UL Ref No.: ESTS-P20042305
Alternative	Delta Electronics, Inc.	DPS-80PB-10 B	Input: 100-240V~, 4A, 47Hz-63Hz; Output: +3,3V/3A; +5V/5A; +12V/3A; +5VSB/0,6A; Max. Combined Power 60W, Class I	IEC 62368-1:2014	TÜVRheinland CB Report No.: 50322980 001

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Clause	Requirement + Test	Result - Remark	Verdict

DC fan	Sunonwealth Electronics Machine Industry Co., Ltd	ME60151V3-000C-A99	12VDC, 87mA Max; 1,05W Max; 18,1CFM; 3900±15% RPM	EN 62368-1:2014 IEC 62368-1: 2014 (Second Edition) and EN 62368-1:2014+A11:2017	TÜVRheinland Cert. No.: R 50152959 & Tested with appliance
Alternative	Shenzhen Dongweifeng Electronic Technology Co., Ltd.	EFC-06C12H	12VDC, 250mA Max; 3W Max; 18,59CFM; 3900±10% RPM	EN IEC 62368-1:2020+A11	TÜVRheinland Cert. No.: R 50467958
Alternative	Dongguan Protechnic Electric Co., Ltd.	MGA6012SR-O15	12VDC, 75mA Max; 0,9W Max; 19,1CFM; 3600±10% RPM	EN 62368-1:2014/A11:2017	TÜV SÜD Cert. No.: No. B 031023 0139 Rev. 00
IC (except for 12Vd.c. output)	SG Micro Corp	SGM2580CYN5G/TR	2,5Vdc to 5,5Vdc, 1A	IEC 60950-1:2005/AMD1:2009, IEC 60950-1:2005/AMD2:2013, IEC 60950-1:2005	UL DK-82510-UL
Alternative	**SG Micro Corp**	**SGM2588AYN5G/TR**	**2,5-5,5V, 1 A**	**IEC 60950-1:2005/AMD1:2009, IEC 60950-1:2005/AMD2:2013, IEC 60950-1:2005 UL 62368-1, Ed. 3 dated December 13, 2019 CAN/CSA C22.2 No. 62368-1:19**	**UL CB Ref. Certif. No.: DK-82510-UL SGS: SGSNA/22/SH/00150**
Alternative	**SG Micro Corp**	**SGM2588GYN5GTR**	**2,5-5,5V, 1 A**	**IEC 60950-1:2005/AMD1:2009, IEC 60950-1:2005/AMD2:2013, IEC 60950-1:2005 UL 62368-1, Ed. 3 dated December 13, 2019 CAN/CSA C22.2 No. 62368-1:19**	**UL CB Ref. Certif. No.: DK-82510-UL SGS: SGSNA/22/SH/00150**
Alternative	DIODES INC	AP2822 followed by A - H, followed by N or Blank, followed by K, KA, KB or KE, followed by TR-G1.	Input Voltage: 2,7 to 5,5 Vd.c.: Output Continuous Rating: 0,5 to 2,0 A; Output Current Limit: 1,4 to 3,2 A	IEC 62368-1:2014	UL CB Cert No.: US-34501-UL; Report No.: E339337-A6001-CB-1

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Clause	Requirement + Test	Result - Remark	Verdict

Alternative	**DIODES INC**	**AP22816AKBWT-7**	**2,7-5,5V, 1A**	**IEC 62368-1:2018**	**UL CB Ref. Certif. No.: US-38695-UL**
Alternative	**DIODES INC**	**AP2822CKBTR-G1**	**2,7-5,5V, 1A**	**IEC 62368-1:2014**	**UL CB Ref. Certif. No.: US-34501-UL**
Alternative	**DIODES INC**	**AP2822GKBTR-G1**	**2,7-5,5V, 2A**	**IEC 62368-1:2014**	**UL CB Ref. Certif. No.: US-34501-UL**
Alternative	**DIODES INC**	**AP22818AKBWT-7**	**2,7-5,5V, 2A**	**IEC 62368-1:2018**	**UL CB Ref. Certif. No.: US-38695-UL**
Alternative	**Richtek Technology Corp.**	**RT9742MGJ5**	**2,7-6V, 1,5A**	**IEC 62368-1:2014**	**Nemko: CB Ref. Certif. No.: NO109777**
Alternative	**JOULWATT TECHNOLOGY CO LIMITED**	**JW7115S-1SOTA#TRPBF**	**2,7-5,5V, 1A**	**IEC 62368-1:2014**	**UL CB Ref. Certif. No.: DK-92033-UL**
Alternative	**Shenzhen Lowpower Semiconductor CO., Ltd**	**LPW5202SDB5F11**	**2,4V-6V, 1,2A**	**IEC 62368-1:2018**	**TÜVRheinland: JPTUV-141625**
PTC (for 12Vd.c. output)	Wayon Electronics Co., Ltd.	LP-MSM150/24, 1812	24Vd.c., 1,5A	EN 62319-1-1:2005 EN 62319-1:2005	TUV: R50318402
Alternative	Wayon Electronics Co., Ltd.	LP-MSM260/16, 1812	16Vd.c., 2,6A	EN 62319-1-1:2005 EN 62319-1:2005	TUV: R50318402
Alternative	Wayon Electronics Co., Ltd.	LP-MSM110/16, 1812	16Vd.c., 1,1A	EN 62319-1-1:2005 EN 62319-1:2005	TUV: R50318402
RTC battery	GUANGZHOU TIANQIU ENTERPRISE CO LTD	CR1220	3V d.c., 38mAh; Max Abnormal Charging Current 2,5mA; Max Abnormal Charging Voltage 3,5V dc	UL1642	UL MH48705
Alternative	POWER GLORY BATTERY TECH (SHENZHEN) CO., LTD	CR1220	3V d.c., 38mAh; Max Abnormal Charging Current 10mA; Max Abnormal Charging Voltage 5V dc	UL1642	UL MH29853

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Clause	Requirement + Test	Result - Remark	Verdict

PCB	WENZHOU GALAXY ELECTRONICS CO LTD	01V0	V-0, 130°C	UL796 UL94	UL E157634
Alternative	GUANGZHOU FAST-PRINT CIRCUIT TECHNOLOGY CO LTD	M11	V-0, 130°C	UL796 UL94	UL E204460
Alternative	VICTORY GIANT TECHNOLOGY (HUIZHOU) CO LTD	SH	V-0, 130°C	UL796 UL94	UL E248779
Alternative	SHENZHEN MANKUN ELECTRONICS CO LTD	MK-D	V-0, 130°C	UL796 UL94	UL E248237
Alternative	WENZHOU OULONG ELECTRIC CO LTD	OL-D	V-0, 130°C	UL796 UL94	UL E231017
Alternative	Interchangeable	Interchangeable	V-1 or better, 130°C	UL796 UL94	UL
Power plug	LINOYA ELECTRONIC TECHNOLOGY CO LTD	XYP-02L	AC 250V, 16A	DIN VDE 0620-2-1/A1 (VDE 0620-2-1/A1):2017-09 DIN VDE 0620-2-1 (VDE 0620-2-1):2016-01	VDE 40015292
Alternative	Phino Electric Co., Ltd.	PHP-206,	AC 250V, 16A	DIN VDE 0620-2-1/A1 (VDE 0620-2-1/A1):2017-09 DIN VDE 0620-2-1 (VDE 0620-2-1):2016-01	VDE 40013375
Alternative	Interchangeable	Interchangeable	AC 250V, 16A	DIN VDE 0620-2-1/A1 (VDE 0620-2-1/A1):2017-09 DIN VDE 0620-2-1 (VDE 0620-2-1):2016-01	SGS or equivalent certified body
Power connector	Phino Electric Co., Ltd.	PHS 301	AC 250V, 10A	IEC 60320-1:2015 DIN EN 60320-1 (VDE 0625-1):2016-04; EN 60320-1:2015 + AC:2016	VDE 40038017

IEC 62368-1			
Clause	Requirement + Test	Result - Remark	Verdict

Alternative	LINOYA ELECTRONIC TECHNOLOGY CO LTD	XYC-03	AC 250V, 10A	DIN EN 60320-1 (VDE 0625-1):2016-04; EN 60320-1:2015 + AC:2016 IEC 60320-1:2015	VDE 40016051
Alternative	Interchangeable	Interchangeable	AC 250V, 10A	DIN EN 60320-1 (VDE 0625-1):2016-04; EN 60320-1:2015 + AC:2016 IEC 60320-1:2015	SGS or equivalent certified body
Power cable	Phino Electric Co., Ltd.	H05VV-F	3 x 0,75 mm²	DIN EN 50525-2-11 (VDE 0285-525-2-11):2012-01; EN 50525-2-11:2011	VDE 113841
Alternative	LINOYA ELECTRONIC TECHNOLOGY CO LTD	H05VV-F	3 x 0,75 mm²	DIN EN 50525-2-11 (VDE 0285-525-2-11):2012-01; EN 50525-2-11:2011	VDE 40035072
Alternative	Interchangeable	Interchangeable	3 x 0,75 mm²	DIN EN 50525-2-11 (VDE 0285-525-2-11):2012-01; EN 50525-2-11:2011	SGS or equivalent certified body
Internal wires	Interchangeable	Interchangeable	PVC, TFE, PTFE, FEB, Polychloroprene or polyimide or VW-1	--	--
Supplementary information: 1) Provided evidence ensures the agreed level of compliance. See OD-CB2039.					

---End of Report---