

HITACHI GLOBAL STORAGE TECHNOLOGIES
 JAPAN LTD
 MR S MATSUMOTO, QUALITY SYSTEM
 FUJISAWA PLANT
 1 KIRIHARA-CHO
 FUJISAWA-SHI
 KANAGAWA 252-0811 JAPAN

Your most recent Certification is shown below. You may also view this information, or a portion of this information (depending on the product category), on UL's Online Certifications Directory at www.ul.com/database. Please review the text and contact the Conformity Assessment Services staff member who handled your project if revisions are required. For instructions on placing an order for this information in a 3 x 5-inch format, you may refer to the enclosed order form for UL Card Service.

NWGQ2 December 16, 2003
 Information Technology Equipment Including Electrical Business Equipment - Component

HITACHI GLOBAL STORAGE TECHNOLOGIES JAPAN LTD E182115
 FUJISAWA PLANT 1 KIRIHARA-CHO FUJISAWA-SHI,
 KANAGAWA 252-0811 JAPAN

Component Dsg	Rated Input, V	Load Amps	Flame Rating	Laser Class
Hard disk drives				
D(CCX)-3nnnnn+	12dc	0.8	N/A	N/A
D(Y)(Y)(Y)-2nnnn+	5dc	1.2	-	-
D(Y)(Y)(Y)-3nnnn+	12/5dc	1.5/0.8	-	-
DADA-2nnnn+	5dc	1	N/A	N/A
DADS-2nnnn+	5dc	1	N/A	N/A
DARA-2nnnnn+	5dc	1	N/A	N/A
DBCA-2nnnnn+	5dc	1.2	N/A	N/A
DCAX-3nnnn+*	12/5dc	1.5/1	-	-
DCXA-2nnnnn+	5dc	1.2	N/A	N/A
DCYA-2nnnnn+	5dc	1.2	N/A	N/A
DDLA-2nnnn+	5dc	1.2	-	-
DDLS-2nnnn+	5dc	1.2	-	-
DDRA-3nnnnn+	12/5dc	0.65/0.55	N/A	N/A
DDRS-3nnnnn+	12/5dc	0.65/0.55	N/A	N/A
DHEA-3nnnn+	12/5dc	0.26/0.32	-	-
DJSA-2nn+	5dc	1	N/A	N/A
DKLA-2nnnn+	5dc	1	N/A	N/A
DKLS-2nnnn+	5dc	1	N/A	N/A
DLGA-2nnn+	5dc	1.2	-	-
DLGS-2nnn+	5dc	1.2	-	-
DMVA-3nn+	5dc	1	N/A	N/A
DPLA-2nnnn+	5dc	0.7	N/A	N/A
DPLS-2nnnn+	5dc	0.7	N/A	N/A

An independent organization working for a safer world with integrity, precision and knowledge.

Component Dsg	Rated Input, V	Load Amps	Flame Rating	Laser Class
DPTS-3nnnnn+	12/5dc	0.8/0.7	N/A	N/A
DTCA-2nnnn+	5dc	0.7	N/A	N/A
DTCS-2nnnn+	5dc	0.7	N/A	N/A
DTNA-2nnn+	5dc	1.2	-	-
DTNS-2nnn+	5dc	1.2	-	-
DTTA-3nnnnn+	12/5dc	0.65/0.55	N/A	N/A
DTTS-3nnnnn+	12/5dc	0.65/0.55	N/A	N/A
DYKA-2nnnn+	5dc	0.7	-	-
DYKS-2nnnn+	5dc	0.7	-	-
DYLA-2nnnn+	5dc	0.7	-	-
DYLS-2nnnn+	5dc	0.7	-	-
HDS7225nnVLATnn+	12/5dc	2/1.5	N/A	N/A
HDS7225nnVLSAnn+	12/5	2/1.5	N/A	N/A
HDS72404OKLAT80+	12/5dc	0.98/0.78	N/A	N/A
HDS72404OKLSA80+	12/5dc	0.98/0.78	N/A	N/A
HTS5480nnM9ATX+	5dc	1	N/A	N/A
HTS7260nnM9ATX+	5dc	1	N/A	N/A
IC25N0nnATC(x)(x)04-n+	5dc	1	N/A	N/A
IC25N0nnATC(x)05-n+	5dc	1	N/A	N/A
IC25N0nnATCS04-n+	5dc	1	N/A	N/A
IC25N0nnATDA04-n+	5dc	1	N/A	N/A
IC25NnnnATMR04-n+	5dc	1	N/A	N/A
IC25T0nnATCS05-n+	5dc	1	N/A	N/A
IC25T0nnATDA05-n+	5dc	1	N/A	N/A
IC35LnnnAVV207-n+	5dc	0.7	N/A	N/A
IC35LnnnAVVA07-n+	5dc	0.7	N/A	N/A
IC35LnnnAVVN07-n+	5dc	0.7	N/A	N/A
IC35LOnnAVERO7-n+	5dc	0.7	N/A	N/A
Internal HDDs				
DDYF-Tnnnnn+	12/5dc	1.1/0.75	N/A	N/A
DDYS-Tnnnnn+	12/5dc	1.1/0.75	N/A	N/A
IC35L0nn(YZ)D210-n+	12/5dc	1.1/0.75	N/A	N/A
IC35Lnnn(YZ)DY10-n+	12/5dc	1.1/0.75	N/A	N/A
IC35LnnnEFDY10-n+	12dc	3	N/A	N/A
IC35LOnnEFD210-n+	12dc	3	N/A	N/A
Microdrives				
DMDM-10170	5/3.3dc	0.5/0.5	N/A	N/A
DMDM-10340	5/3.3dc	0.5/0.5	N/A	N/A
DSCM1XXXX	5/3.3dc	0.5/0.5	N/A	N/A

(CCX) - Where CC may be JN, NE, PS, PT or TL and X may be A, F or S.

(x) - Where x can be any letter from A-Z.

(Y) - Where Y can be any letter from A-Z.

(YZ) - Where Y or Z represents any alphanumeric character or blank.

* - Where X may be any alphanumeric character or blank.

+ - Where n may be any number 0-9.

Marking: Company name and model designation.

See General Information Preceding These Recognitions

For use only in equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

HITACHI GLOBAL STORAGE TECHNOLOGIES
 JAPAN LTD
 MR S MATSUMOTO, QUALITY SYSTEM
 FUJISAWA PLANT
 1 KIRIHARA-CHO
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NWQG8 December 16, 2003
 Information Technology Equipment Including Electrical Business Equipment Certified for Canada - Component

HITACHI GLOBAL STORAGE TECHNOLOGIES JAPAN LTD **E182115**
FUJISAWA PLANT 1 KIRIHARA-CHO FUJISAWA-SHI,
KANAGAWA 252-0811 JAPAN

Component Dsg	Rated Input, V	Load Amps	Flame Rating	Laser Class
Hard disk drives				
D(CCX)-3nnnnn+	12dc	0.8	N/A	N/A
D(Y)(Y)(Y)-2nnnn+	5dc	1.2	-	-
D(Y)(Y)(Y)-3nnnn+	12/5dc	1.5/0.8	-	-
DADA-2nnnn+	5dc	1	N/A	N/A
DADS-2nnnn+	5dc	1	N/A	N/A
DARA-2nnnn+	5dc	1	N/A	N/A
DBCA-2nnnn+	5dc	1.2	N/A	N/A
DCAX-3nnnn*	12/5dc	1.5/1	-	-
DCXA-2nnnn+	5dc	1.2	N/A	N/A
DCYA-2nnnn+	5dc	1.2	N/A	N/A
DDLA-2nnnn+	5dc	1.2	-	-
DDLS-2nnnn+	5dc	1.2	-	-
DDRA-3nnnn+	12/5dc	0.65/0.55	N/A	N/A
DDRS-3nnnn+	12/5dc	0.65/0.55	N/A	N/A
DHEA-3nnnn+	12/5dc	0.26/0.32	-	-
DJSA-2nn+	5dc	1	N/A	N/A
DKLA-2nnnn+	5dc	1	N/A	N/A
DKLS-2nnnn+	5dc	1	N/A	N/A
DLGA-2nnn+	5dc	1.2	-	-
DLGS-2nnn+	5dc	1.2	-	-
DMVA-3nn+	5dc	1	N/A	N/A
DPLA-2nnnn+	5dc	0.7	N/A	N/A

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Component Dsg	Rated Input, V	Load Amps	Flame Rating	Laser Class
DPLS-2nnnn+	5dc	0.7	N/A	N/A
DPTS-3nnnnn+	12/5dc	0.8/0.7	N/A	N/A
DTCA-2nnnn+	5dc	0.7	N/A	N/A
DTCS-2nnnn+	5dc	0.7	N/A	N/A
DTNA-2nnn+	5dc	1.2	-	-
DTNS-2nnn+	5dc	1.2	-	-
DTTA-3nnnnn+	12/5dc	0.65/0.55	N/A	N/A
DTTS-3nnnnn+	12/5dc	0.65/0.55	N/A	N/A
DYKA-2nnnn+	5dc	0.7	-	-
DYKS-2nnnn+	5dc	0.7	-	-
DYLA-2nnnn+	5dc	0.7	-	-
DYLS-2nnnn+	5dc	0.7	-	-
HDS7225nnVLATnn+	12/5dc	2/1.5	N/A	N/A
HDS7225nnVLSAnn+	12/5	2/1.5	N/A	N/A
HDS72404OKLAT80+	12/5dc	0.98/0.78	N/A	N/A
HDS72404OKLSA80+	12/5dc	0.98/0.78	N/A	N/A
HTS5480nnM9ATX+	5dc	1	N/A	N/A
HTS7260nnM9ATX+	5dc	1	N/A	N/A
IC25N0nnATC(x)(x)04-n+	5dc	1	N/A	N/A
IC25N0nnATC(x)05-n+	5dc	1	N/A	N/A
IC25N0nnATCS04-n+	5dc	1	N/A	N/A
IC25N0nnATDA04-n+	5dc	1	N/A	N/A
IC25NnnnATMR04-n+	5dc	1	N/A	N/A
IC25T0nnATCS05-n+	5dc	1	N/A	N/A
IC25T0nnATDA05-n+	5dc	1	N/A	N/A
IC35LnnnAVV207-n+	5dc	0.7	N/A	N/A
IC35LnnnAVVA07-n+	5dc	0.7	N/A	N/A
IC35LnnnAVVN07-n+	5dc	0.7	N/A	N/A
IC35LOnnAVERO7-n+	5dc	0.7	N/A	N/A
Internal HDDs				
DDYF-Tnnnnn+	12/5dc	1.1/0.75	N/A	N/A
DDYS-Tnnnnn+	12/5dc	1.1/0.75	N/A	N/A
IC35LOnn(YZ)D210-n+	12/5dc	1.1/0.75	N/A	N/A
IC35Lnnn(YZ)DY10-n+	12/5dc	1.1/0.75	N/A	N/A
IC35LnnnEFDY10-n+	12dc	3	N/A	N/A
IC35LOnnEFD210-n+	12dc	3	N/A	N/A
Microdrives				
DMDM-10170	5/3.3dc	0.5/0.5	N/A	N/A
DMDM-10340	5/3.3dc	0.5/0.5	N/A	N/A
DSCM1XXXX	5/3.3dc	0.5/0.5	N/A	N/A

(CCX) - Where CC may be JN, NE, PS, PT or TL and X may be A, F or S.


(x) - Where x can be any letter from A-Z.

(Y) - Where Y can be any letter from A-Z.

(YZ) - Where Y or Z represents any alphanumeric character or blank.

* - Where X may be any alphanumeric character or blank.

+ - Where n may be any number 0-9.

Marking: Company name, model designation and Recognized Component Mark for Canada, 

See General Information Preceding These Recognitions

For use only in equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

石川 さん

Latest UL file is
UL Report is available

UL Report is available
to you; please refer to
the attached file.

333 Pfingsten Road
Northbrook, Illinois 60062-2096
(847) 272-8800
FAX No. (847) 272-8129
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MR S MATSUMOTO, QUALITY SYSTEM
HITACHI GLOBAL STORAGE TECHNOLOGIES
JAPAN LTD
FUJISAWA PLANT
1 KIRIHARA-CHO
FUJISAWA-SHI
KANAGAWA 252-0811 JAPAN

Date: 01/12/2004
Subscriber: 704385002
File No: E182115
Project No: 03CA43058
PD No: 04G00590
Type: R
PO Number: 0311584

Subject: Procedure Material For Manufacturer

The following material resulting from the investigation under the above numbers is enclosed.

<u>Document</u>	<u>Status</u>	<u>Volume</u>	<u>Report Reference</u>	<u>Date</u>
Authorization		X1		
Index		X1		
Generic Inspection Instr.		X1		
UL Test Report	Amendment	X1	E182115-A1-UL-1	04/07/03

Please file revised Authorizations, Indices, and General Inspection Instructions in place of material of like identity. New Test Reports should be filed immediately following the last Test Report. Amendments or Corrections should be filed immediately before the Test Report to which they relate. Re-issued Test Reports should be filed immediately before all material related to the Test Report that it replaces.

NOTE: Manufacturers receive only the following sub-sections of the Applicant's complete Test Report, where applicable: Cover Page, Specific Inspection Criteria (BA through BE), Specific Technical Criteria (through section CF), Critical Components table, and Enclosures containing image supplements. Manufacturers do not receive Test Report Information related to standard clause compliance or testing results.

Please review this material and report any inaccuracies to MICHELLE HAHNLEIN (EXT. 43566), referring to the above Project and/or PD Numbers.

UL INSPECTION CENTER 824

333 Pfingsten Road
Northbrook, Illinois 60062-2096
United States Country Code(1)
(847) 272-8800
FAX No. (847) 272-8129
<http://www.ul.com>



Underwriters Laboratories Inc.®

File E182115

Vol X1

Issued 2003-04-04
Revised 2003-09-25

FOLLOW-UP SERVICE PROCEDURE
(TYPE R)

COMPONENT - INFORMATION TECHNOLOGY EQUIPMENT INCLUDING
ELECTRICAL BUSINESS EQUIPMENT
(NWGQ2)

Manufacturer: SEE ADDENDUM FOR MANUFACTURING LOCATIONS

Applicant: HITACHI GLOBAL STORAGE TECHNOLOGIES
(704385-002) JAPAN LTD
FUJISAWA PLANT
1 KIRIHARA-CHO
FUJISAWA-SHI
KANAGAWA 252-0811 JAPAN

Recognized Company: SAME AS APPLICANT
(704385-002)

This Procedure authorizes the above Manufacturer to use the marking specified by Underwriters Laboratories Inc. only on products covered by this Procedure, in accordance with the applicable Follow-Up Service Agreement.

The prescribed Mark or Marking shall be used only at the above manufacturing location on such products which comply with this Procedure and any other applicable requirements.

The Procedure contains information for the use of the above named Manufacturer and representatives of Underwriters Laboratories Inc. and is not to be used for any other purpose. It is lent to the Manufacturer with the understanding that it is not to be copied, either wholly or in part, and that it will be returned to Underwriters Laboratories Inc. upon request.

This PROCEDURE, and any subsequent revisions, is the property of UNDERWRITERS LABORATORIES INC. and is not transferable.

UNDERWRITERS LABORATORIES INC.

A.W. Schaefer
Vice President and General Manager
US and Canadian Operations

R

FILE E182115 VOL X1 ADDENDUM TO PAGE 1 ISSUED: 2003-04-04
AUTHORIZATION PAGE REVISED: 2003-09-25

LOCATION

(137398-001) HITACHI GLOBAL STORAGE TECHNOLOGIES
SINGAPORE PTE LTD
#03-08
4 KHAKI BUKIT AVE 1
SINGAPORE 417939 SINGAPORE

Factory ID: "Made by IBM Singapore" or "E182115 SG"

(250720-001) HITACHI GLOBAL STORAGE TECHNOLOGIES
(THAILAND) LTD
203 205 MOO 7
TUMBON THA TUM, AMOTHUR
SRIMAHAPHOE
PRACHINBURI THAILAND

Factory ID: "Made by IBM Storage Product Thailand" or "E182115 T"

(375705-001) SHENZHEN EXCELSTOR TECHNOLOGY LTD
KAIFA IND DISTRICT, 8 BLDG, 5TH FL
FUTIAN DISTRICT, 7006 CAITIAN RD
SHENZHEN
GUANGDONG 518035 CHINA

Factory ID: "ES"

(696090-001) UNION TECHNOLOGY CO LTD
SRIRACHA PLANT
336 MOO 10 BANGPRA
SRIRACHA
CHON BURI 20210 THAILAND

Factory ID: "Made by IBM Japan Ltd." with "s" or "E182115 S"

(704385-002) HITACHI GLOBAL STORAGE TECHNOLOGIES
JAPAN LTD
FUJISAWA PLANT
1 KIRIHARA-CHO
FUJISAWA-SHI
KANAGAWA 252-0811 JAPAN

Factory ID: "Made by IBM Japan Ltd." or "E182115 F"

(822082-001) TELEPLAN TECHNOLOGY SERVICES SDN BHD
2580 TINGKAT PERUSAHAAN 4B
ZON PERINDUSTRIAAN BEBAS DUA
13600 PERAI
PENANG MALAYSIA

Factory ID: "P"

File		Volume	Page	Date:
E182115	Index	X1	1	12-Jan-04

Index

<u>Product Type</u>	<u>Model/Type Reference</u>	<u>Report Reference #</u>
Hard Disk Drive	HDS7225xxVLATnn, HDS7225nnVLSAnn, HDS724040KLAT80 and HDS724040KLSA80, where n is any number 0 through 9, and X is any alphanumeric character or blank indicating changes in SELV circuits.	E182115-A2-UL-1
Hard Disk Drive	HTS4240nnM9AT00, HTS5480nnM9ATX0, HTS7260nnM9ATX0, HTE5480nnM9ATX0 and HTE7260nnM9ATX0 where n is any number 0 through 9, and X is any alphanumeric character or blank indicating changes in SELV circuits.	E182115-A1-UL-1

Generic Inspection Instructions

GENERIC INSPECTION INSTRUCTIONS

Product Category	Product Category CCN
Information Technology Equipment Including Electrical Business Equipment	NWGQ, NWGQ7
Power Supplies for Information Technology Equipment Including Electrical Business Equipment	QQGQ, QQGQ7
Scales and Accessories	TUTT, TUTT7

These instructions shall also be used for the following Component Recognition product category CCNs unless specifically exempted from the factory production-line tests as noted in each individual Test Report: NWGQ2, NWGQ8, QQGQ2, QQGQ8, TUTT2, TUTT8.

Note for products evaluated to the Bi-National Standard, CSA C22.2 No. 60950-00/UL 60950, Third Edition or CAN/CSA-C22.2 No. 60950-1-03/UL 60950-1, First Edition: These instructions contain the Underwriters Laboratories Inc. Follow-Up inspection requirements for manufacturing and production-line tests. These requirements are considered to be certification requirements related to Follow-Up inspection of equipment, as such, they are not included in the Bi-National Standard as deviations from IEC 60950 or IEC 60950-1.

These instructions consist of the following Parts:

Part	Description
AA	Instructions and Duties for UL Representative
AB	Instructions for Follow-Up Tests at UL
AC	Responsibilities and Requirements for Manufacturer
AD	General Terminology
AE	General Product Construction Requirements
AF	UL Certification Marks

EC DECLARATION OF CONFORMITY
for
HITACHI HDS724040KLAT80 Hard Disk Drive
and
HITACHI HDS724040KLSA80 Hard Disk Drive

We Hitachi Global Storage Technologies Japan, Ltd., declare under our sole responsibility that the above-named products, manufactured by :

Hitachi Global Storage Technologies Japan, Ltd.

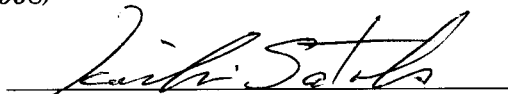
1, Kirihara-cho, Fujisawa-shi,
Kanagawa-ken, 252-8555 Japan

to which this declaration relates, is in conformity with the requirements of Council Directive 89/336/EEC on the approximation of the laws of the Member States relating to electromagnetic compatibility.

This Declaration of Conformity is based upon compliance of the product with the following harmonized standards :

EN 55022(1998) (Class B)
EN 55024(1998)

Signed :



Koichi Satoh

Deputy General Manager of Desktop BU

Place of issue : Hitachi Global Storage Technologies Japan, Ltd.
1, Kirihara-cho,
Fujisawa-shi, Kanagawa-ken,
252-8555 Japan

Date of issue :

Nov. 10, 2003

Supplier's Declaration of Conformity

Declaration of Conformity with the Electromagnetic Compatibility Standards as required under the Radiocommunications Act

I/We **Hitachi Australia Ltd.**

of **Level 3, 82 Waterloo Road, North Ryde NSW 2113**

ACN **075 381 332** Supplier Code **N155**

declare under our sole responsibility that the product:-

Hitachi Global Storage Technologies, Inc. 3.5-inch Hard Disk Drive model/s:-

HTS724040KLAT80

HTS724040KLSA80

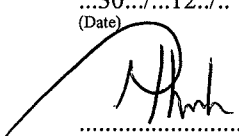
to which this declaration relates is in conformity with the following standard(s):

Title	Number	Date of issue
Information Technology	AS/NZS CISPR 22	2002

P. Steele
(Name of the Authorised Person)

Manager, Technical Support
(Title of Authorised Person)

...30.../...12.../'03....
(Date)


.....
(Signature of Authorised Person)

COVER PAGE FOR TEST REPORT

Product Category:	Information Technology Equipment Including Electrical Business Equipment
Product Category CCN:	NWGG2, NWGG8
Test Procedure:	Component Recognition
Product:	Hard Disk Drive
Model/Type Reference:	HTS4240nnM9AT00, HTS5480nnM9ATX0, HTS7260nnM9ATX0, HTE5480nnM9ATX0 and HTE7260nnM9ATX0 where n is any number 0 through 9, and X is any alphanumeric character or blank indicating changes in SELV circuits.
Rating(s):	+5 V dc, 1.0 A maximum load amps (for model HTS5480nnM9ATX0, HTE5480nnM9ATX0, HTS4240nnM9AT00) +5 V dc, 1.1 A maximum load amps (for model HTS7260nnM9ATX0, HTE7260nnM9ATX0)
Standards:	UL60950, Third Edition (2000)
Applicant Name and Address:	HITACHI GLOBAL STORAGE TECHNOLOGIES JAPAN LTD FUJISAWA PLANT 1 KIRIHARA-CHO FUJISAWA-SHI KANAGAWA 252-0811 JAPAN
This Report includes the following parts, in addition to this cover page: <ol style="list-style-type: none">1. Specific Technical Criteria2. Clause Verdicts3. Critical Components4. Test Results5. Enclosures	

This is to certify that representative samples of the products covered by this Test Report have been investigated by Underwriters Laboratories Inc. ('UL') in accordance with the above referenced Standards. The products have been found to comply with the requirements covering the category and the products are judged to be eligible for Follow-Up Service under the indicated Test Procedure. The manufacturer is authorized to use the UL Mark on such products which comply with this Test Report and any other applicable requirements of UL in accordance with the Follow-Up Service Agreement. Only those products which properly bear the UL Mark are considered as being covered by UL's Follow-Up Service under the indicated Test Procedure.

UL authorizes the applicant to reproduce the referenced Test Report provided it is reproduced in its entirety.

UL authorizes the applicant to reproduce the latest pages of the referenced Test Report consisting of the first page of the Specific Technical Criteria through to the end of the Conditions of Acceptability.

Issue Date: 2003-04-07
Amendment 3 2004-01-12

Page 2 of 2

Report Reference #

E182115-A1-UL-1

Test Report By:

Reviewed By:

Michelle Hahnlein
Project Engineer

Kathleen Betts
Project Engineer
Underwriters Laboratories Inc.

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SPECIFIC TECHNICAL CRITERIA

UL 60950 Safety of information technology equipment	
Report Reference No	E182115-A1-UL-1
Compiled by	Michelle Hahnlein
Reviewed by	Kathleen Betts
Date of issue	2003-04-07
Standards	UL60950, Third Edition (2000)
Test procedure	Component Recognition
Non-standard test method	N/A
Test item description	Hard Disk Drive
Trademark	HITACHI
Model and/or type reference	HTS4240nnM9AT00, HTS5480nnM9ATX0, HTS7260nnM9ATX0, HTE5480nnM9ATX0 and HTE7260nnM9ATX0 where n is any number 0 through 9, and X is any alphanumeric character or blank indicating changes in SELV circuits.
Rating(s)	+5 V dc, 1.0 A maximum load amps (for model HTS5480nnM9ATX0, HTE5480nnM9ATX0, HTS4240nnM9AT00) +5 V dc, 1.1 A maximum load amps (for model HTS7260nnM9ATX0, HTE7260nnM9ATX0)

Particulars: test item vs. test requirements

Equipment mobility: for building-in
Operating condition: continuous
Mains supply tolerance (%): N/A
Test for IT power systems: No
IT testing, phase-phase voltage (V): N/A
Class of equipment: Class III (supplied by SELV)
Mass of equipment (kg): < 18 kg
Protection against ingress of water: IP X0

Possible test case verdicts:

- test case does not apply to the test object: N / A
- test object does meet the requirement: Pass
- test object does not meet the requirement: Fail (acceptable only if a corresponding, less stringent national requirement is "Pass")

General remarks:

- "(see Enclosure #)" refers to additional information appended to the Test Report
- "(see appended table)" refers to a table appended to the Test Report
- Throughout the Test Report a point is used as the decimal separator

General Product Information:		
CA1.0	Report Summary	
CA1.1	N/A	
CB1.0	Product Description	
CB1.1	Hard Disk Drive (HDD)	
CC1.0	Model Differences	
CC1.1	<p>Differences in model designations represent changes in SELV circuitry, the thickness of the base or in number of disks employed (capacity).</p> <p>Model HTE7260nnM9ATX0 is identical to Model HTS7260nnM9ATX0 except for model designation.</p> <p>Motel HTE5480nnM9ATX0 is identical to HTS5480nnM9ATX0 except for model designation.</p> <p>Model HTS7260nnM9ATX0 is identical to Model HTS5480nnM9ATX0 except for alternate Spindle Motor, Nidec Co., Type 08K0943 and ratings.</p> <p>Model HTS4240nnM9AT00 is identical to Model HTS5480nnM9ATX0 except for alternate Spindle Motor. Nidec Co., Ltd., Type 13G1425.</p>	
CD1.0	Additional Information	
CD1.1	Corrected on April 18, 2003 to include the following: Changed the rating for the Nidec Co. Spindle Motor Type 08K0238 from +5 Vdc, 170 mA to +5 Vdc, 210 mA; Changed the rating for the Nidec Co. Spindle Motor Type 08K0943 from +5 Vdc, 170 mA to +5 Vdc, 230 mA.	
CE1.0	Engineering Consideration	
CE1.2	The product was submitted and tested for use at the manufacturer's recommended ambient temperature (Tmra) of:	55°C
CF1.0	Engineering Conditions of Acceptability	
CF1.1	For use only in or with complete equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.	
When installed in an end-product, consideration must be given to the following:		
CF1.13	The investigated Pollution Degree is:	2
CF1.19	The following end-product enclosures are required	Fire
CF2.0	The product is intended to be connected to a	--

	SELV, non-energy hazard circuit.	
CF2.1	The terminals and connectors have not been evaluated for field wiring.	--
CF2.2	Consideration should be given to measuring temperatures on drive in the end-product.	--
CF2.3	External temperature needs to be monitored when used in the end product. Additional cooling means needs to be added, as required, to comply with the surface temperature requirements when utilized in the end product.	--

Issue Date: 2003-04-07
Amendment 3 2004-01-12

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E182115-A1-UL-1

IEC 60950			
Clause	Requirement + Test	Result - Remark	Verdict

This page replaces page 5.

IEC 60950	
Requirement + Test	Result - Remark
Clause	Verdict

TABLE: list of critical components							Pass
1.5.1	Object/part No.	Manufacturer/ trademark	type/model	technical data	Product Category CCN(s)	Required Marks of Conformity	Supplement ID
	Top Cover	Various	metal material	Aluminum or steel, minimum 0.2 mm thick. Overall dimensions 95 by 70 by 3 mm. May be provided with one 2 mm diameter opening.	---	---	3-01
	Label Materials	Various	Various	Suitable for surface	PDGQ2 or PGJ12	UL	
	Spindle Motor (for Model HTS5480nnM9ATX0, HTE5480nnM9ATX0)	Nidec Co., Ltd.	Type 08K0238	(5 Vdc, 210 mA maximum, Tested per Annex B.7)	---	Evaluated in this application	3-01
	Printed wiring board	Various	Various	Temperature Rated 105 degree C minimum, Flame rating V-1 minimum.	ZPMV2	UL	3-01
	Base	Various	metal material	Aluminum, minimum 0.5 mm thick. Overall dimensions 100 by 70 by 20 mm maximum.	---	---	3-01
	Connectors and Receptacles	Various	Various	Copper alloy pins housed in bodies of (QMFZ2), and 94V-2 minimum.	ECBT2, RTRT2	UL	3-01
	Spindle Motor (for Model HTS7260nnM9ATX0, HTE7260nnM9ATX0)	Nidec Co., Ltd.	Type 08K0943	(5 Vdc, 230 mA maximum, Tested per Annex B.7)	---	Evaluated in this application	3-01
	Spindle Motor (for Model HTS4240nnM9AT00)	Nidec Co., Ltd.	Type 13G1425	(5Vdc, 140mA maximum, Tested per Annex B.7)	---	Evaluated in this application	3-01

Issue Date: 2003-04-07
Amendment 3 2004-01-12

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Report Reference #

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IEC 60950			
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This page replaces page 7.

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50024834

Blatt *Page*
0008

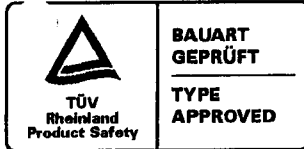
Ihr Zeichen <i>Client Reference</i>	Unser Zeichen <i>Our Reference</i>	Ausstellungsdatum	<i>Date of Issue</i> (day/mo/yr)
0309544	ZJ-MPA- 12004967 003	13.11.2003	

Genehmigungsinhaber *License Holder*
Hitachi Global Storage Technologies
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Fertigungsstätte *Manufacturing Plant*
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Japan

Prüfzeichen *Test Mark*

Geprüft nach *Tested acc. to*
EN 60950:2000



Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Plattenspeicher Hard Disk Drive

Addition

Type Designations :	HDS724040KLAT80	1
	HDS724040KLSA80	1

Rated Voltages : DC 5V 12V

Rated Currents : 0.78A 0.98A

2

ANLAGE (Appendix) : 1

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.
This certificate is based on our Testing and Certification Regulation. The product fulfills above-mentioned-requirements, the production is subject to surveillance.



Zertifizierungsstelle

TÜV Rheinland Product Safety GmbH, Am Grauen Stein, D-51105 Köln

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