

**IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME**

**CB TEST CERTIFICATE**

Product **Audio/Video, Information and Communication technology equipment  
Power Supply**

Name and address of the applicant **Integrated Power Designs, Inc.  
Hanover Industrial Estates  
300 Stewart Road  
Wilkes-Barre PA 18706  
USA**

Name and address of the manufacturer **Integrated Power Designs, Inc. Hanover Industrial Estates  
300 Stewart Road, Wilkes-Barre PA 18706, USA**

Name and address of the factory **Integrated Power Designs, Inc. Hanover Industrial Estates  
300 Stewart Road, Wilkes-Barre PA 18706, USA**

Ratings and principal characteristics

	Input Voltage	Frequency	Input Current
<b>NXT-100</b>	100-240 V AC	50/60 Hz	2.5 A max
<b>NXT-175</b>	100-240 V AC	50/60 Hz	5 A
<b>NXT-225</b>	100-240 V AC	50/60 Hz	5 A
<b>NXT-325</b>	100-240 V AC	50/60 Hz	8 A
<b>NXT-400</b>	100-240 V AC	50/60 Hz	10 A
<b>NXT-400M</b>	100-240 V AC	50/60 Hz	8 A max

Trade mark (if any) **IPD**

Customer's Testing Facility (CTF) Stage used **CTF STAGE 3**

Model/type Ref. **NXT Series**

Additional information (if necessary) **Certificate DE 3 – ITAV311 issued 2020-01-28 is replaced by this version due to technical changes**

A sample of the product was tested and found to be in conformity with **IEC 62368-1:2014**  
as shown in the Test Report Ref. No. **72117359-200**  
which forms part of this certificate

This CB Test Certificate is issued by the National Certification Body

CB 030824 0341 Rev. 02  
Date, 2020-07-30



( William J. Stinson )



Product Service

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**Model Numbers and Output Ratings:**

Model Number	Open Frame		Chassis/Cover		Transformer (6000XXX)
	300LFM	Conv. Cooled	300LFM	Conv. Cooled	
NXT-100-1001	2.5V/20A	2.5V/14A	2.5V/18A	2.5V/12.6A	861
NXT-100-1002	3.3V/20A	3.3V/14A	3.3V/18A	3.3V/12.6A	862
NXT-100-1003	5V/20A	5V/14A	5V/18A	5V/12.6A	863
NXT-100-1004	12V/8.3A	12V/5.8A	12V/7.5A	12V/5.2A	864
NXT-100-1005	15V/6.7A	15V/4.7V	15V/6.0V	15V/4.2A	865
NXT-100-1006	24V/4.2A	24V/2.9A	24V/3.8A	24V/2.6A	866
NXT-100-1007	28V/3.6A	28V/2.5A	28V/3.2A	28V/2.3A	867
NXT-100-1008	48V/2.1A	48V/1.5A	48V/1.9A	48V/1.4A	868
NXT-175-1001	2.5V/35.0A	2.5V/23.0A	2.5V/31.5A	2.5V/20.7A	836
NXT-175-1002	3.3V/35.0A	3.3V/23.0A	3.3V/31.5A	3.3V/20.7A	837
NXT-175-1003	5V/35.0A	5V/23.0A	5V/31.5A	5V/20.7A	838
NXT-175-1004	12V/14.6A	12V/9.6A	12V/13.1A	12V/8.6A	839
NXT-175-1005	15V/11.7A	15V/7.7A	15V/10.5A	15V/6.9A	840
NXT-175-1006	24V/7.3A	24V/4.8A	24V/6.6A	24V/4.3A	841
NXT-175-1007	28V/6.3A	28V/4.1A	28V/5.6A	28V/3.7A	842
NXT-175-1008	48V/3.6A	48V/2.4A	48V/3.2A	48V/2.2A	843
NXT-225-1001	2.5V/53.0A	2.5V/30.0A	2.5V/47.7A	2.5V/27.0A	828
NXT-225-1002	3.3V/53.0A	3.3V/30.0A	3.3V/47.7A	3.3V/27.0A	829
NXT-225-1003	5V/45.0A	5V/30.0A	5V/40.5A	5V/27.0A	830
NXT-225-1004	12V/18.8A	12V/12.5A	12V/16.9A	12V/11.3A	831
NXT-225-1005	15V/15.0A	15V/10.0A	15V/13.5A	15V/9.0A	832
NXT-225-1006	24V/9.4A	24V/6.3A	24V/8.5A	24V/5.7A	833
NXT-225-1007	28V/8.0A	28V/5.4A	28V/7.2A	28V/4.9A	834
NXT-225-1008	48V/4.7A	48V/3.1A	48V/4.2A	48V/2.8A	835
NXT-225-1009	56V/4A	56V/2.7A	56V/3.6A	56V/2.4A	1150
NXT-325-1001	2.5V/65.0A	2.5V/40.0A	2.5V/58.5A	2.5V/36.0A	844

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NXT-325-1002	3.3V/65.0A	3.3V/40.0A	3.3V/58.5A	3.3V/36.0A	845
NXT-325-1003	5V/65.0A	5V/40.0A	5V/58.5A	5V/36.0A	846
NXT-325-1004	12V/29.2A	12V/16.7A	12V/26.3A	12V/15.0A	847
NXT-325-1005	15V/23.3A	15V/13.3A	15V/20.9A	15V/12.0A	848
NXT-325-1006	24V/14.6A	24V/8.3A	24V/13.1A	24V/7.5A	849
NXT-325-1007	28V/12.5A	28V/7.1A	28V/11.3A	28V/6.4A	850
NXT-325-1008	48V/7.3A	48V/4.2A	48V/6.6A	48V/3.8A	851
NXT-400-1001	2.5V/80.0A	2.5V/45.0A	2.5V/72.0A	2.5V/40.5A	853
NXT-400-1002	3.3V/80.0A	3.3V/45.0A	3.3V/72.0A	3.3V/40.5A	854
NXT-400-1003	5V/80.0A	5V/45.0A	5V/72.0A	5V/40.5A	855
NXT-400-1004	12V/33.3A	12V/18.8A	12V/29.9A	12V/16.9A	856
NXT-400-1005	15V/26.7A	15V/15.0A	15V/24.0A	15V/13.5A	857
NXT-400-1006	24V/16.7A	24V/9.4A	24V/15.0A	24V/8.5A	858
NXT-400-1007	28V/14.3A	28V/8.0A	28V/12.8A	28V/7.2A	859
NXT-400-1008	48V/8.3A	48V/4.7A	48V/7.5A	48V/4.2A	860

Notes (Apply to all NXT-100, 175, 225, 325 and 400, except if specifically noted otherwise.):

- Total power must not exceed rated output power in model listing at 100-240Vac input.
- Output power derated linearly below 100Vac input as follows:  
 NXT-100 – 1.0watts/volt  
 NXT-175 – 1.0watts/volt  
 NXT-225 – 1.5watts/volt  
 NXT-325 – 1.5watts/volt  
 NXT-400 – 2.5watts/volt
- Derate output power linearly to 50% between 50°C and 70°C
- NXT-100, 175, 225, 325:  
 300 linear feet per minute of airflow must be maintained one inch above the top of the heatsinks in any direction in open frame forced air applications. 300 linear feet per minute of airflow must be maintained one inch above and toward any of the three perforated sides of the cover in forced air chassis/cover applications.
- NXT-400 only:  
 300 linear feet per minute (minimum) of airflow must be maintained along all outside surfaces of exposed heatsinks or chassis. See recommended air flow diagram as a guideline. Input to Output

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6. Model Number may be followed by the suffix(s):

- CH - chassis
- CO - cover
- PF - power fail
- OVP - over voltage protection
- RE - remote inhibit
- LS - load share
- WT - wide temperature
- TS - terminal strips
- TB - terminal blocks
- GOLD - gold pins input / output headers
- Y or NY - decreased, or removed, line to ground capacitors
- O - Y2 caps secondary to ground
- P - Y1 caps secondary to ground or removed
- FN- fan with

**Model Numbers and Output Ratings:**

Model Listing	Output 1	Output 2	Output 3	Output 4	Transformer 600XXXX
NXT-400M-4001	3.3V/50A	3.3V-5V/15A	12V-15V/ 5A	12V-15V/ 5A	1062
NXT-400M-4002	5V/50A <sup>5</sup>	3.3V-5V/15A	12V-15V/ 5A	12V-15V/ 5A	1063
NXT-400M-4003	5V/50A <sup>5</sup>	12V-15V/10A	12V-15V/ 5A	12V-15V/ 5A	1064
NXT-400M-4004	5V/50A <sup>5</sup>	24V-28V/5A	12V-15V/ 5A	12V-15V/ 5A	1065
NXT-400M-4005	24V/12.5A	24V-28V/5A	12V-15V/ 5A	12V-15V/ 5A	1095
NXT-400M-3001	5V/50A <sup>5</sup>	12V-15V/10A	-	12V-15V/ 5A	1066
NXT-400M-2001	5V/50A <sup>5</sup>	24V-28V/5A	-	-	1067
NXT-400M-2002	5V/50A <sup>5</sup>	12V-15V/10A	-	-	1068
NXT-400M-2003	12V/25A	12V-15V/10A	-	-	1069
NXT-400M-2004	15V/20A	12V-15V/10A	-	-	1070

Notes (Apply to all NXT-400M models, except if specifically noted otherwise.):

1. Total output power must not exceed:
  - 400W with 300LFM forced air cooling
  - 400W with optional fan enclosure
  - 360W with 300LFM forced air cooling in optional chassis/cover
  - 200W free air convection cooling (180W free air convection cooling on 4001,4002 only)
  - 180W free air convection cooling in optional chassis or chassis/cover.
  - 160W free air convection cooling in optional chassis/cover (4001, 4002 only)
2. Derate Output 1 (3.3V-5V) current rating 40% when free air convection cooled.

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3. Derate Output 1 (12V-15V) current rating 25% when free air convection cooled.
4. Derate Output 2 (3.3V-15V) current rating 25% when free air convection cooled.
5. Derate Output 1 (5V) current rating to 40A with fan enclosure, suffix FN.
6. Model Number may be followed by the suffix(s):
  - CH - chassis
  - CO - cover
  - RE/SB- Remote Inhibit/Standby Output
  - I/O-Isolated Outputs
  - PF-Power Fail Warning
  - BF- Type BF (secondary to ground capacitors Y1, Y2 or removed)
  - WT - wide temperature
  - TS - terminal strips
  - TB - terminal blocks
  - GOLD - gold pins input / output headers
  - Y or NY - decreased, or removed, line to ground capacitors
  - FN – fan with enclosure, appliance inlet and TH3/K2 Thermostat

**Conditions of Acceptability:**

1. These components have been judged on the basis of the required spacings in the Standard for Safety of Information Technology Equipment, IEC/EN 62368-1:2014.
2. These components have been evaluated for the output power ratings specified, open frame and in optional chassis/cover, with a tmra 50°C ambient. The NXT-400 and NXT-400M have also been evaluated at the specified 100% power ratings with optional fan enclosure, FN Suffix.

The temperature tests are to be repeated in the end product. The NXT-400M isolation transformer employs a R/C OBJS2 Class B (130°C) electrical insulation system issued by Underwriters Laboratories.

The NXT-100, 175, 225 and 325 isolation transformer employs a Class B (130°C) electrical insulation system designated IPD-130-1(see File E137708SP, Vol. 1, Sec. 4.) , issued by Underwriters Laboratories.

The NXT-400 isolation transformer employs a R/C OBJS2 Class F (155°C) electrical insulation system designated IPD-155-1 (see File E137708SP, Volume 1, Section 6), issued by Underwriters Laboratories.

The NXT-400M option designated RE/SB transformer employs a R/C OBJS2 Class F (155°C) electrical insulation system issued by Underwriters Laboratories.

3. The input circuit includes only one fuse in the line input except in the NXT-400M which contains a fuse in the line and neutral inputs.
4. These components have been evaluated as Class I equipment for use in pollution degree 2 environments.
  1. The supply terminal grounding connector is connected to the chassis through a land on the printed wiring board. An Earthing Test between the chassis and input ground terminal was successfully performed at 40A and must be performed in the end product.
6. These components require Electrical and Fire enclosures as part of the end product.

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7. These components provide reinforced insulation between primary and secondary circuits. All outputs are ES1.
8. These units utilizes both input/output connectors and optional output terminal blocks, see critical components list. The input/output connectors are not acceptable for field connections and are only intended for connection to mating connectors of internal wiring inside the end-use machine. The acceptability of these mating connectors relative to secureness, insulating materials and temperatures should be considered.  
  
However, the units that utilize terminal blocks are acceptable for field wiring. These terminal blocks accept 16-30 AWG wire.
9. Touch Currents and/or Leakage Currents must be performed in the end product.
10. Care must be taken to insure the voltage applied to a reinforced insulation does not overstress basic insulation. Breakdown of basic insulation and catastrophic failure of the power supply may result if a test voltage of greater than 1800 VAC is applied between primary and secondary circuits. Each isolating component is factory tested at 4000 VAC minimum prior to installation.
11. Outputs on the NXT-400M may be adjusted to any voltage, within the listed range, and will include a numerical suffix for production purposes.
12. For Model NXT-100 only, when provided with a UL Listed Fuse (F1) only, it has limited breaking capacity and was evaluated for installation where the maximum fault current was limited. The end product shall ensure the power supply is used in applications where the limited breaking capacity does not result in unacceptable risk. Disregard this statement when the power supply Fuse (F1) is a UL Recognized Fuse.

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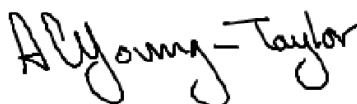
( William J. Stinson )

## IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

## CB TEST CERTIFICATE

Product	General Medical Devices Switch Mode Power Supply Series
Name and address of the applicant	<b>Integrated Power Designs, Inc.</b> <b>Hanover Industrial Estates</b> 300 Stewart Road Wilkes-Barre PA 18706 USA
Name and address of the manufacturer	Integrated Power Designs, Inc. Hanover Industrial Estates 300 Stewart Road, Wilkes-Barre PA 18706, USA
Name and address of the factory	Integrated Power Designs, Inc. Hanover Industrial Estates 300 Stewart Road, Wilkes-Barre PA 18706, USA
Ratings and principal characteristics	Rated Input Voltage: 100-240 V AC Rated Frequency: 50/60 Hz Rated Input Current: 2.5A, 5.0A, 5.0A, 8.0A, 10.0A, 8.0A Type of Protection: Class I (against electric shock)
Customer's Testing Facility (CTF) Stage used	CTF STAGE 3
Model/type Ref.	<b>NXT-XXX-YYYY Series</b> "XXX" = 100, 175, 225, 325, 400 or 400M the typical output power designation of the supply, in watts, "YYYY" = delineates the voltages found in the Model Numbers and Output Ratings.
Additional information (if necessary)	Certificate DE 3 - 40801 issued 2017-08-02 is replaced by this version due to technical changes
A sample of the product was tested and found to be in conformity with	IEC 60601-1:2005 IEC 60601-1:2005/AMD1:2012
as shown in the Test Report Ref. No. which forms part of this certificate	090-72103900-300

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CB 030824 0378 Rev. 00  
Date, 2020-10-19

( Antony Young-Taylor )



Product Service



## IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

**Model Differences:**

Model Number	Open Frame		Chassis/Cover		Transformer (6000XXX)
	300LFM	Conv. Cooled	300LFM	Conv. Cooled	
NXT-100-1001	2.5V/20A	2.5V/14A	2.5V/18A	2.5V/12.6A	861
NXT-100-1002	3.3V/20A	3.3V/14A	3.3V/18A	3.3V/12.6A	862
NXT-100-1003	5V/20A	5V/14A	5V/18A	5V/12.6A	863
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NXT-100-1005	15V/6.7A	15V/4.7V	15V/6.0V	15V/4.2A	865
NXT-100-1006	24V/4.2A	24V/2.9A	24V/3.8A	24V/2.6A	866
NXT-100-1007	28V/3.6A	28V/2.5A	28V/3.2A	28V/2.3A	867
NXT-100-1008	48V/2.1A	48V/1.5A	48V/1.9A	48V/1.4A	868
NXT-175-1001	2.5V/35.0A	2.5V/23.0A	2.5V/31.5A	2.5V/20.7A	836
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NXT-175-1003	5V/35.0A	5V/23.0A	5V/31.5A	5V/20.7A	838
NXT-175-1004	12V/14.6A	12V/9.6A	12V/13.1A	12V/8.6A	839
NXT-175-1005	15V/11.7A	15V/7.7A	15V/10.5A	15V/6.9A	840
NXT-175-1006	24V/7.3A	24V/4.8A	24V/6.6A	24V/4.3A	841
NXT-175-1007	28V/6.3A	28V/4.1A	28V/5.6A	28V/3.7A	842
NXT-175-1008	48V/3.6A	48V/2.4A	48V/3.2A	48V/2.2A	843
NXT-225-1001	2.5V/53.0A	2.5V/30.0A	2.5V/47.7A	2.5V/27.0A	828
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NXT-225-1003	5V/45.0A	5V/30.0A	5V/40.5A	5V/27.0A	830
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NXT-225-1006	24V/9.4A	24V/6.3A	24V/8.5A	24V/5.7A	833
NXT-225-1007	28V/8.0A	28V/5.4A	28V/7.2A	28V/4.9A	834
NXT-225-1008	48V/4.7A	48V/3.1A	48V/4.2A	48V/2.8A	835
NXT-325-1001	2.5V/65.0A	2.5V/40.0A	2.5V/58.5A	2.5V/36.0A	844
NXT-325-1002	3.3V/65.0A	3.3V/40.0A	3.3V/58.5A	3.3V/36.0A	845
NXT-325-1003	5V/65.0A	5V/40.0A	5V/58.5A	5V/36.0A	846
NXT-325-1004	12V/29.2A	12V/16.7A	12V/26.3A	12V/15.0A	847
NXT-325-1005	15V/23.3A	15V/13.3A	15V/20.9A	15V/12.0A	848
NXT-325-1006	24V/14.6A	24V/8.3A	24V/13.1A	24V/7.5A	849
NXT-325-1007	28V/12.5A	28V/7.1A	28V/11.3A	28V/6.4A	850
NXT-325-1008	48V/7.3A	48V/4.2A	48V/6.6A	48V/3.8A	851
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NXT-400-1002	3.3V/80.0A	3.3V/45.0A	3.3V/72.0A	3.3V/40.5A	854
NXT-400-1003	5V/80.0A	5V/45.0A	5V/72.0A	5V/40.5A	855
NXT-400-1004	12V/33.3A	12V/18.8A	12V/29.9A	12V/16.9A	856
NXT-400-1005	15V/26.7A	15V/15.0A	15V/24.0A	15V/13.5A	857
NXT-400-1006	24V/16.7A	24V/9.4A	24V/15.0A	24V/8.5A	858
NXT-400-1007	28V/14.3A	28V/8.0A	28V/12.8A	28V/7.2A	859
NXT-400-1008	48V/8.3A	48V/4.7A	48V/7.5A	48V/4.2A	860

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CB 030824 0378 Rev. 00

Date, 2020-10-19

(Antony Young-Taylor)



Product Service



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(IECEE) CB SCHEME

**Notes (Apply to all models, except if specifically noted otherwise.):**

1. Total power must not exceed rated output power with 300LFM forced air cooling at 100-240Vac input on open frame models:  
NXT-100 – 100 watts max.  
NXT-175 – 175 watts max.  
NXT-225 – 225 watts max.  
NXT-325 – 350 watts max.  
NXT-400 – 400 watts max.
2. Output power derated linearly below 100Vac input as follows:  
NXT-100 – 1.0watts/volt  
NXT-175 – 1.0watts/volt  
NXT-225 – 1.5watts/volt  
NXT-325 – 1.5watts/volt  
NXT-400 – 2.5watts/volt
3. Derate output power linearly to 50% between 50°C and 70°C
4. NXT-100, 175, 225, 325:  
300 linear feet per minute of airflow must be maintained one inch above the top of the heatsinks in any direction in open frame forced air applications. 300 linear feet per minute of airflow must be maintained one inch above and toward any of the three perforated sides of the cover in forced air chassis/cover applications.
5. NXT-400 only:  
300 linear feet per minute (minimum) of airflow must be maintained along all outside surfaces of exposed heatsinks or chassis. See recommended air flow diagram as a guideline. Input to Output
6. Model Number may be followed by the suffix(s):  
CH – chassis  
PF - power fail  
RE - remote inhibit  
WT - wide temperature  
TB - terminal blocks  
GOLD - gold pins input / output headers  
Y or NY - decreased, or removed, line to ground capacitors  
P - 1MOPP secondary to ground  
FN- fan with enclosure, appliance inlet  
D- Dolby  
CO - cover  
OVP – over voltage protection  
LS – load share  
TS – terminal strips  
TB – terminal blocks

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**Model Numbers and Output Ratings:**

Model Listing	Output 1	Output 2	Output 3	Output 4	Transformer 600XXXX
NXT-400M-4001	3.3V/50A	3.3V-5V/ 15A	12V-15V/ 5A	12V-15V/ 5A	1062
NXT-400M-4002	5V/50A <sup>5</sup>	3.3V-5V/ 15A	12V-15V/ 5A	12V-15V/ 5A	1063
NXT-400M-4003	5V/50A <sup>5</sup>	12V-15V/10A	12V-15V/ 5A	12V-15V/ 5A	1064
NXT-400M-4004	5V/50A <sup>5</sup>	24V-28V/5A	12V-15V/ 5A	12V-15V/ 5A	1065
NXT-400M-4005	24V/12.5A	24V-28V/5A	12V-15V/ 5A	12V-15V/ 5A	1095
NXT-400M-3001	5V/50A <sup>5</sup>	12V-15V/10A	-	12V-15V/ 5A	1066
NXT-400M-2001	5V/50A <sup>5</sup>	24V-28V/5A	-	-	1067
NXT-400M-2002	5V/50A <sup>5</sup>	12V-15V/10A	-	-	1068
NXT-400M-2003	12V/25A	12V-15V/10A	-	-	1069
NXT-400M-2004	15V/20A	12V-15V/10A	-	-	1070

Notes (Apply to all NXT-400M models, except if specifically noted otherwise.):

- Total output power must not exceed:  
 400W with 300LFM forced air cooling  
 360W with 300LFM forced air cooling in optional chassis/cover  
 200W free air convection cooling (180W free air convection cooling on 4001,4002 only)  
 180W free air convection cooling in optional chassis or chassis/cover.  
 160W free air convection cooling in optional chassis/cover (4001, 4002 only)
- Derate Output 1 (3.3V-5V) current rating 40% when free air convection cooled.
- Derate Output 1 (12V-15V) current rating 25% when free air convection cooled.
- Derate Output 2 (3.3V-15V) current rating 25% when free air convection cooled.
- Derate Output 1 (5V) current rating to 40A with fan enclosure, suffix FN.**
- Model Number may be followed by the suffix(s):  
 CH - chassis  
 CO - cover  
 RE/SB- Remote Inhibit/Standby Output  
 I/O-Isolated Outputs  
 PF-Power Fail Warning  
 BF- Type BF (secondary to ground capacitors Y1, Y2 or removed)  
 WT - wide temperature  
 TS - terminal strips  
 TB - terminal blocks  
 GOLD - gold pins input / output headers  
 Y or NY - decreased, or removed, line to ground capacitors

FN – fan with enclosure, appliance inlet and TH3/K2 Thermostat

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## Technical Considerations:

1. Scope of Power Supply evaluation defers the following clauses to be determined as part of the end product investigation:

- Clause 7.5 (Safety Signs),
- Clause 7.9 (Accompanying Documents),
- Clause 9 (ME Hazard), except 9.1 and 9.3 are evaluated,
- Clause 10 (Radiation),
- Clause 14 (PEMS),
- Clause 16 (ME Systems)
- Risk Management was excluded from this investigation.

2. Risk Controls/ Engineering Considerations for component power supply:

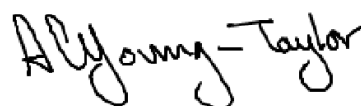
For use only in or with complete equipment where the acceptability of the combination is determined by the CB Testing Laboratory, when installed in an end-product, consideration must be given to the following:

- For Power Supplies with No RM: End product Risk Management Process to include consideration of requirements specific to the Power Supply.
- For Power Supplies with No RM: End product Risk Management Process to consider the acceptability of risk for the following components that were identified as High-Integrity Component: i.e. Fuse (F1).
- For Power Supplies with No RM: End product Risk Management Process to consider the need for simultaneous fault condition testing.
- For Power Supplies with No RM: End product Risk Management Process to consider the need for different orientations of installation during testing.
- For Power Supplies with No RM with Exposure Condition outside of Humidity Range: Power Supply tested in \_\_\_\_°C, \_\_\_\_%RH. End product Risk Management Process to determine risk acceptability criteria.
- For Power Supplies with No RM and Insulating Materials: End product to determine the acceptability of risk in conjunction to insulation to resistance to heat, moisture, and dielectric strength.
- For Power Supplies with No RM: End product to determine the acceptability of risk in conjunction to the movement of components as part of the power supply.
- For Power Supplies with No RM: End product to determine the acceptability of risk in conjunction to the movement of conductors as part of the power supply.
- For Power Supplies with No RM: End product to determine the acceptability of risk in conjunction to the routing of wires away from moving parts and sharp edges as part of the power supply.
- For Power Supplies with No RM and Not tested with Test Corner: Temperature Test was conducted without Test Corner. End product to determine the acceptability of risk in conjunction to temperature testing without test corner as part of the power supply.
- For Power Supplies with No RM or Units without Cleaning/Disinfection Methods: End product to determine the acceptability of risk in conjunction to the Cleaning and Disinfection Methods as part of the power supply.
- For Power Supplies with No RM or Units with Liquids: End product to determine the acceptability of risk in conjunction to the Leakage of Liquids as part of the power supply.
- For Power Supplies with No RM or Units with Indicators: End product to determine the acceptability of risk in conjunction to the Arrangement of Indicators as part of the power supply.
- For Power Supplies with No RM or Units with Enclosures: End product to determine the acceptability of risk in conjunction to the results of Mechanical Testing conducted as part of the power supply
- For Power Supplies with No RM: End product to determine the acceptability of risk in conjunction to the selection of components as it pertains to the intended use, essential performance, transport, storage conditions as part of the power supply

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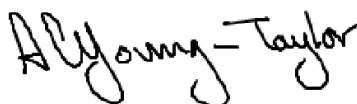
- For Power Supplies with Thermal Cut-off and No RM: End product to determine the acceptability of risk in conjunction to the use of Thermal Cut-off and Overcurrent releases as part of the power supply
  - For Power Supplies with Pre-set components and No RM: End product to determine the acceptability of risk in conjunction to the use of Pre-set controls as part of the power supply.
3. These components have been judged on the basis of the required spacings in the Standard for Safety of Medical Electrical Equipment, IEC60601-1:2005 + CORR. 1:2006 + CORR. 2:2007 + AM1:2012.
  4. These components have been evaluated for the output power ratings specified, open frame and in optional chassis/cover, with a tmra 50°C ambient. The NXT-400 and NXT-400M have also been evaluated at the specified 100% power ratings with optional fan enclosure, FN Suffix.  
  
The temperature tests are to be repeated in the end product. The NXT-100, 175, 225, 325 and 400M isolation transformer employs a R/C OBJS2 Class B (130°C) electrical insulation system issued by Underwriters Laboratories. The NXT-400 isolation transformer employs a R/C OBJS2 Class F (155°C) electrical insulation system designated IPD-155-1 (see File E137708SP, Volume 1, Section 6), issued by Underwriters Laboratories.
  5. The input circuit in the NXT-100, 175, 225, 325 and 400 includes only one fuse in the line input. A second fuse must be included in the neutral input in the end product, in consideration of paragraph 8.11.5 of IEC60601-1:2005 + CORR. 1:2006 + CORR. 2:2007 + AM1:2012. The NXT-400M includes a fuse in both the line and neutral inputs.
  6. Evaluated for class I applications, pollution degree II.
  7. The supply terminal grounding connector is connected to the chassis through a land on the printed wiring board. An Earthing Test between the chassis and input ground terminal was successfully performed. All mounting holes on the printed circuit board must be reliably connected to the end product's grounding connection.
  8. These components require Electrical and Fire enclosures as part of the end product.
  9. All models provide 2MOPP from Primary Mains to Secondary Output.
  10. Standard model numbers, no suffix, provide 1MOPP Primary Mains to Protective Earth and Operational Insulation Secondary Output to Ground.  
  
For BF output applications in the NXT-400M series only, BF suffix, models provide 1MOPP between Secondary Output and Protective Earth for a working voltage of 40VDC and 2MOPP for a working voltage of 250Vrms with secondary mounting holes isolated from Protective Earth.
  11. Model Number Suffix "P" indicates 1MOPP Secondary Output to Protective Earth (secondary to ground capacitors are Y1 or removed). NXT-100, 175, 225, 325 and 400 series only.
  12. This unit utilizes both input/output connectors and alternate output terminal blocks, see critical components list. The input/output connectors are not acceptable for field connections and are only intended for connection to mating connectors of internal wiring inside the end-use machine. The acceptability of these mating connectors relative to secureness, insulating materials and temperatures should be considered.

However, the units that utilize terminal blocks are acceptable for field wiring. These terminal blocks accept 16-30 AWG wire.

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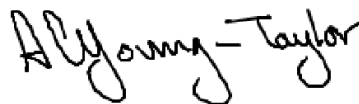
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13. Touch Currents and/or Leakage Currents must be repeated in the end product.
14. In consideration of IEC60601-1:2005 + CORR. 1:2006 + CORR. 2:2007 + AM1:2012, Clause 8.8, care must be taken to insure the voltage applied to a reinforced insulation does not overstress basic insulation. Breakdown of basic insulation and catastrophic failure of the power supply may result if a test voltage of greater than 1800 VAC is applied between primary and secondary circuits. Each isolating component is factory tested at 4000 VAC minimum prior to installation.
15. NXT-400M models, with a BF suffix, were not investigated for Electromagnetic Compatibility per IEC 60601-1-2. Acceptability to be determined in the end product.
16. Outputs on the NXT-400M may be adjusted to any voltage, within the listed range, and will include a numerical suffix for production purposes.
17. For Model NXT-100 only, when provided with a UL Listed Fuse (F1) only, it has limited breaking capacity and was evaluated for installation where the maximum fault current was limited. The end product shall ensure the power supply is used in applications where the limited breaking capacity does not result in unacceptable risk. Disregard this statement when the power supply Fuse (F1) is a UL Recognized Fuse

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