

Report No.: 18250SC00074401

Test Report

Client Name : Acrel Co., Ltd.

Address : No.253, Yulv Road, Jiading District, Shanghai, China

Product Name : Multi channel energy meter

Date : Sept. 29, 2020



Shenzhen Anbotek Compliance Laboratory Limited

Shenzhen Anbotek Compliance Laboratory Limited





TEST REPORT EN 61010-1 Safety requirements for electrical equipment for measurement, control, and laboratory use Part 1: General requirements Report reference No. 18250SC00074401 Sanko Chen Jott Zhu Compiled by: Sanko Chen Approved by: Jeff Zhu Date of issue: Sept. 29, 2020 Contents 51 pages Testing laboratory..... Shenzhen Anbotek Compliance Laboratory Limited 1/F, Building D, Sogood Science and Technology Park, Sanwei Address community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.518128 Testing location: Same as above Applicant: Acrel Co., Ltd. No.253, Yulv Road, Jiading District, Shanghai, China Address: Test specification Standard EN 61010-1:2010+A1:2019 Test procedure: LVD test report Type of test object Description : Multi channel energy meter Trademark Acrel AMC16ZH, AMC16MD Jiangsu Acrel Electrical Manufacturing. Co., Ltd. Manufacturer: No.5, Dongmeng Road, Nanzha Street, Jiangyin City, Jiangsu Address Province, China Factory.....: Same as manufacturer Address Same as manufacturer Rating: AC 85-270V, 20mA DC 48V

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 755–26066440 Fax: (86) 755–26014772 Email: service@anbotek.com

Test item particulars	
Pollution degree	III sotek Anbotek Anbot
Protection degree	Class I equipment
Operating conditions:	Continuous operation
Connection to supply mains:	None
Special protection to IEC 60529:	IP20
Possible test case verdicts	hotek Anborek Anborek Anbor
- test case does not apply to the test object:	N (N.A.)
- test object does meet the requirement:	P (Pass)
- test object does not meet the requirement:	F (Fail)
Testing	tek Anboten Anbo
Date of receipt of test item:	Sept. 18, 2020
Date(s) of performance of test:	Sept. 18, 2020 to Sept. 25, 2020
General remarks	Ano Anbotek Anbotek Anbotek Anbotek

"(See remark #)" refers to a remark appended to the report.

"(See appended table)" refers to a table appended to the report.

Throughout this report a dot is used as the decimal separator.

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 testing laboratory. According to the EU directives which have been aligned with EU NLF (new legislative framework), both of manufacturer and importer's name and address shall be affixed on the product or, where that is not possible, on its packaging or in a document accompanying the product before the product is placed on the EU market.

Copy of marking plate

Multi channel energy meter Model No: AMC16MA Rating: AC85-270V, 20mA DC 48V



Made in China

Acrel Co., Ltd. No.253, Yulv Road, Jiading District, Shanghai, China

Importer: XXX Address: XXX

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 755–26066440 Fax: (86) 755–26014772 Email: service@anbotek.com

Page 4 of 51

Report No. 18250SC00074401

4.4.1 F 4.4.2 A 4.4.2.1 S 4.4.2.2 F 4.4.2.3 F 4.4.2.3 F 4.4.2.4 E 4.4.2.5 N 4.4.2.6 C 4.4.2.7 N 4.4.2.7 S	TESTING IN SINGLE FAULT CONDITION Fault tests Application of fault conditions Single fault conditions not covered by 4.4.2.1 to 4.4.2.12 Protective impedance Protective conductor Equipment or parts for short-term or intermittent operation Motors Capacitors Mains transformers Short circuit Overload	Anborek Anbore	P P N N N N N N P
4.4.1 F 4.4.2 A 4.4.2.1 S 4.4.2.2 F 4.4.2.3 F 4.4.2.3 F 4.4.2.4 E 4.4.2.5 N 4.4.2.6 C 4.4.2.7 N 4.4.2.7 S	Fault tests Application of fault conditions Single fault conditions not covered by 4.4.2.1 to 4.4.2.12 Protective impedance Protective conductor Equipment or parts for short-term or intermittent Operation Motors Capacitors Mains transformers Short circuit	otek Anboren Anburgek hortek Anboren Anburgek Anborek Anborek Anborek Anborek Anborek Anborek Anborek Anborek nek Anborek Anborek Anborek Anborek Anborek Anborek Anborek Anborek Anborek Anborek Anborek	P P N N N N N
4.4.2 A 4.4.2.1 S 4.4.2.2 F 4.4.2.3 F 4.4.2.4 E 4.4.2.5 N 4.4.2.6 C 4.4.2.7 N 4.4.2.7.2 S	Application of fault conditions Single fault conditions not covered by 4.4.2.1 to 4.4.2.12 Protective impedance Protective conductor Equipment or parts for short-term or intermittent operation Motors Capacitors Mains transformers Short circuit	Anborek Anbore	P N N N N N
4.4.2.1 \$4 4.4.2.2 \$F 4.4.2.3 \$F 4.4.2.4 \$E 4.4.2.5 \$N 4.4.2.6 \$C 4.4.2.7 \$N 4.4.2.7.2 \$E	Single fault conditions not covered by 4.4.2.1 to 4.4.2.12 Protective impedance Protective conductor Equipment or parts for short-term or intermittent operation Motors Capacitors Mains transformers Short circuit	Amborek Ambore	N N N N N
4.4.2.2 F 4.4.2.3 F 4.4.2.4 E 4.4.2.5 N 4.4.2.6 C 4.4.2.7 N 4.4.2.7 S	4.4.2.12 Protective impedance Protective conductor Equipment or parts for short-term or intermittent operation Motors Capacitors Mains transformers Short circuit	Anto Anborek Anborek A Anborek Anborek Nek Anborek Anborek Notek Anborek Anborek Anborek Anborek Anborek Anborek Anborek Anborek	N N N N N
4.4.2.3 F 4.4.2.4 E 4.4.2.5 N 4.4.2.6 C 4.4.2.7 N 4.4.2.7.2 S	Protective conductor Equipment or parts for short-term or intermittent operation Motors Capacitors Mains transformers Short circuit	Anborek Anbore	N N N N
4.4.2.4 E 4.4.2.5 N 4.4.2.6 C 4.4.2.7 N 4.4.2.7.2 S	Equipment or parts for short-term or intermittent operation Motors Capacitors Mains transformers Short circuit	nek <u>Anbotek</u> Anbo botek Anbotek Anbo Anbotek Anbotek Anbo Anbotek Anbotek An Anbotek Anbotek Anbotek Anbotek	N N N
4.4.2.5 N 4.4.2.6 C 4.4.2.7 N 4.4.2.7.2 S	operation Motors Capacitors Mains transformers Short circuit	nbotek Anbotek Anbo Anbotek Anbotek Anbo Anbotek Anbotek An Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	N N
4.4.2.6 C 4.4.2.7 N 4.4.2.7.2 S	Capacitors Mains transformers Short circuit	Anborek Anborek An Anborek Anborek An Anborek Anborek	anboten
4.4.2.7 N 4.4.2.7.2 S	Mains transformers Short circuit	Anborek Anborek Anborek Anborek	20-
4.4.2.7.2 \$	Short circuit	Anboret Anborek	AntPiek
Pri	tote And Lotek prob	ek aboter Ant	
4.4.2.7.3 0	Dverload	pir pir	Noote
	a contradu	hotek Anboten Anbo	× N
4.4.2.8	Dutputs	hotek Anboten Anbo	P A
4.4.2.9 E	Equipment for more than one supply	Ann botek Anbotek An	P
4.4.2.10	Cooling	hotek Anboten	N
4.4.2.11	Heating devices	k botek Anbotek	AND N
4.4.2.12 li	nsulation between circuits and parts	k Lotek Anbotek	P
4.4.2.13 li	nterlocks	poten Anto notek Anbote	Nanb
4.4.2.14	/oltage selectors	Anbote, And And And	pter N P
4.4.3 C	Duration of tests	Anboter Anb	nbotekP
4.4.4 0	Conformity after application of fault conditions	Anboten Anto otek	anboP ^K
Anboten	Anbo tek anbotek Anbor An	ek Anboten Anbo	nbotek
5 Anboten N	Marking and documentation	potek Anboten Anbo	P
5.1.1	General	hotek Anbotek Anbo	Р
stek anb	Required equipment markings are:	und hotek Anbotek Anb	- Mer
otek	/isible:	Anu otek anbotek P	P P
nu etek F	From the exterior; or	And otek Anbotek	Anbo P
And-	After removing a cover; or	And otek unbotek	Ň
Anos	Opening a door	oten Anbonek nabotek	Nabo
A	After removal from a rack or panel	nboten Anbo	Net N An
	Not put on parts which can be removed by an operator	Anbotek Anbotek A	nbotek N

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 755–26066440 Fax: (86) 755–26014772 Email: service@anbotek.com

Page 5 of 51

Report No. 18250SC00074401

Clause	Requirement – Test	Result - Remark	Verdict
Anbotek	Anbo, An Anbote, Anbote, And	ak Anbotek Anbo	A. botek
Anbotek	Graphic symbols (IEC 61010-1: Table 1) used	stek Anbotek Anbo	P
5.1.2	Identification	Lotek Anbotek Anbo	ok -
rek un	Equipment is identified by:	inter onbotek Anbo	P
dek	a) Manufacturer's or supplier's name or trademark	And otek anbotek A	P
ip. stek	b) Model number, name or other means	And otek unbotek	Anbo P
And	Manufacturing location identified	Anto stek Anbotek	PnAP
5.1.3	Mains supply	ten Anbo	Hupo,
Aupo	Equipment is marked as follows:	hotek Anbourtek nbo	lok - Ant
ek Ant	a) Nature of supply:	Anbotek Anbo vek	botek
potek botek	1) a.c. rated mains frequency or range of frequencies	Anborek Anborek	AnboteP
Anu	2) d.c. mark with symbol 1 of Table 1	And Lotek Anbotek	Anbo.
Anu	b) Rated supply voltage(s) or range	en Anv otek Anbotek	1P ¹⁰⁰¹
Anon	c) Max. rated power (W or VA) or input current	boten And stek anbot	P Anto
otek p	The marked value not less than 90 % of the maximum value	Anbolen Antos An	otek N
Lotek	If more than one voltage range:	An hotek Anboter	N
Anthotek	Separate values marked; or	k hotek Anbotek	Anb N stel
Ann wotal	Values differ by less than 20%	and hotek Anbotek	N
Ann	d) Operator-set for different rated supply voltages:	poter Ann wotek Anboth	Anb
Anu	Indicates the equipment set voltage	Anbote, Any Lotek Ant	o ^{tek} N P
oter A	Portable equipment indication is visible from the exterior	Anbotek Anbotek	nbotek
botek	Changing the setting changes the indication	K botek Anboten	An ^D N ntek
Anbotek	e) Accessory Mains socket-outlets accepting standard MAINS plugs are marked:	otek Anbotek Anbotek	Anbo
k Anbo	With the voltage if it is different from the mains supply voltage	unbotek Anbore Ann	Ne ^k N
ek p.	For use only with specific equipment	Anbo, tek sobotek P	N Note
hbo.	If not marked for specific equipment it is marked with:	Anborek Anborek	Anbotek
Anbotek	The maximum rated current or power; or	stek Anbotek Anbor	N
abot	Symbol 14 with full details in the documentation	stek unbotek Anbota	N
5.1.4	Fuses	nbu tek obotek Anbo	P
wotek po	Operator replaceable fuse marking (see also 5.4.5)	Anbor Anbotek A	N N

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com



Page 6 of 51

Report No. 18250SC00074401

Clause	Requirement – Test	Result - Remark	Verdict
Anbotek	Antoo A. Antores Antootes Anto	er unborek unbo	A. borek
5.1.5	Terminals, connections and operating devices	otek unbotek Anbou	P
5.1.5.1	General	otek unbotek Anbois	Р
rek Ant	Where necessary for safety, indication of purpose of TERMINALS, connectors, controls and indicators marked	Anbotek Anbotek Anb	potek P
notek	Insufficient space, symbol 14 used	hotek Anbotet	And Nek
Anbotek	Push-buttons and actuators of emergency stop devices and indicators:	tek Anbotek Anbotek	AnN
Anbore	used only to indicate a warning of danger or	abotek Anbote Am	ek N Ant
ek pup	the need for urgent action	abotek Anboten Anto	N Make
ootek p	coloured red	Anbotek Anboten Ar	N
botek	coded as specified in IEC 60073	and abotek Anboten	And Nek
Anbotek	Supplementary means of coding provided, if meaning of colour relates (see IEC 60073):	ek Anbolek Anbolo	Anbo Anbote
Aupor	to safety of persons; or	botek Anbon An	ek N _{PU} up
k Pup	safety of the environment	nbotek Anborn An	otek N
otek p	Indication of emergency stop devices	Anbotek Anbots An	wote'N
5.1.5.2	Terminals	abotek Anbota	ATT LOTOK
abotek	Mains supply terminals identified	et nbotek Anboro	AM N otel
ph. sbotek	Other terminal marking:	lek stotek Anbore	Ann
P	a) Functional earth terminals (symbol 5 used)	pot at abotek Anbot	NAME
Pre-	b) Protective conductor terminals:	Anbore An botek Ant	Р
on pi	Symbol 6 is placed close to or on the terminal;	Anbon photok	nbote P
nbor	Part of appliance inlet	Anborn ok hotek	Anbon
Anboi	c) Terminals of control circuits(symbol 7 used)	ek Anborn Ann hotek	ANOTE
Anboro	 d) Hazardous live terminals supplied from the interior 	potek Anbolis Am	Aupo
eck pro	Standard mains socket outlet; or	inbol ek abotek Anb	N
. alt	Ratings marked; or	Anbor Ak abotek	n ^{teote} N
1001	Symbol 14 used	Anbore know	Anbole
5.1.6	Switches and circuit-breakers	anborn Ant hotek	AnNotes
Anbois	If disconnecting device, off- position marked	otek Anbom Ano hotel	Nabo
Anbor	If push-button used as power supply switch:	nbotek Anbote And	N N M
ek Ant	Symbol 9 and 15 used for on-position	abotek Anboter Ario	otek N
stek	Symbol 10 and 16 used for off-position	putek unbolat A	N

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com



Page 7 of 51

Report No. 18250SC00074401

Clause	Requirement – Test	Result - Remark	Verdict
Anbotek	hatov h. abotek Antote Ant	ak Aupotek Aupo	h. aborel
Anbotek	Pair of symbols 9, 15 and 10, 16 close together	otek Anborek Anbo	N
5.1.7 Antos	Equipment protected by double insulation or reinforced insulation	nbotek Anbotek Anbo	ofe ^k N
len bi	Protected throughout (symbol 11 used)	Anbote, And otek	potek N
boten	Only partially protected (symbol 11 not used)	Amboter Amb	Nipo ^t N
5.1.8	Field-wiring terminal boxes	No such parts	nbotek
Anboten	If terminal or enclosure exceeds 60°C:	stek Anboten Anbo	K N
Anbo	Cable temperature rating marked	wotek Anbotek Anbo	N
ek pr	Marking visible before and during connection or beside terminal	Anbotek Anbotek Anb	nbotek N
5.2	Warning markings	Anbore And Notek	anboten
Anbore	Visible when ready for normal use	Anboren And	AntPreh
Anbote	Are near or on applicable parts	iek Anbole, Ant Ant	Pho
Anbot	Symbols and text correct dimensions and colour:	botek Anbote Anb	P P
K AN	a) symbols min 2,75 mm and text 1,5 mm high and contrastingin colour with background	Anbotek Anboten Ante	totek P
obotek	b) symbols and text moulded, stamped or engraved in material min. 2,0 mm high and	Anbotek Anbotek	AnboteP
Anbotek	0.5 mm depth or raised if not contrasting in colour	ek Anbotek Anbotek	Anbor
Pupper	If necessary marked with symbol 14	potek Anboi An	ek Pan
h Ant	Statement to isolate or disconnectif access byusing a tool to HAZARDOUS LIVE parts is permitted	Anbotek Anbotek An	optek P
5.3	Durability of markings	Anbotel Anbo	P
Anbotek	The required markings remain clear and legible in normal use	(see appended table)	Pote
5.4	Documentation	on Ann hotek Anbot	ant Ant
5.4.1	General	inbotor Anti-	P P
botek p	Equipment is accompanied by documentation for safety purposes for operator or responsible body	Anbotek Anbotek	Anbotek P
Anbotek	Safety documentation for service personnel authorized by the manufacturer	k Anbotek Anbotek	Ante N
Anboro	Documentation necessary for safe operation is provided in printed media or	otek Anborek Anbore	K Panto
ek p	in electronic media if available at any time	not tek notek Ant	Р
4 494	Documentation includes:	Anboy protek	ALDOTE: L
(pe)	a) Intended use	Anboi An tek	Anboren P



Page 8 of 51

Report No. 18250SC00074401

Clause	Requirement – Test	Result - Remark	Verdict
Anbore	hou hotek habote Anao	ek Anbore Ant	Anboret
Anbore	b) Technical specification	optek Anbore Ant hotel	Popotel
Anbo	c) Name and address of manufacturer or supplier	abotek Anbote And	P NOV
14 45	d) Information specified in 5.4.2 to 5.4.6	And And And	P
potek	e) Information about how to mitigate risks remaining	Anbotek Anboten A	Anbotek
Anbote,	f) accessories for safe operation of the equipment specified	Anbotek Anbotek	AniPrek
Ati- Anbol	g) guidance provided to check correct function of the equipment, if incorrect reading may cause a hazard from harmful or corrosive substances of hazardous live parts	Anbotek Anbotek Anbotek Anbotek	P ^{nbo} tek Anbo potek Ar
otek	h) Instructions for lifting and carrying (see 7.5)	Anbotek Anbo	abo ^{te} N
Inbotek	Warning statements and a clear explanation of warning symbols:	Anbotek Anbotek	AnbBlek
PLUP OF	Provided in the documentation; or	And And And Anbotek	N
Pup	Information is marked on the equipment	aboten Anto otek Anbot	N Anbo
.4.2	Equipment ratings	Anboter, Anbo	potek - An
her	Documentation includes:	Anboten Anbo	abotek
nbotek	a) Supply voltage or voltage range	DC 3V	Pok Pok
Anbotek	Frequency or frequency range	tek anbotek Anbo	Notek
anbote	Power or current rating	otek Anbotek Anbo	N bott
Aup	b) Description of all input and output connections in accordance to 6.6.1 a)	Anbotek Anbotek Anbo	ptek P Ant
botek f	c) Rating of insulation of external circuits as required by 6.6.1b)	Anbotek Anbotek	anbote ^K N
Anbotek	d) Statement of the range of environmental conditions	Ambient temperature: 5°C~40°C	Anb P Anbotek
Pupor	e) Degree of ingress protection (IP, IEC 60529)	IPX0	Panbot
And	f) Impact rating less than 5 J	unbotek Anbo tek ab	otek P Anb
er p	IK code in accordance to IEC 62262 marked or	Anboren Anbor Al	hote ^k N P
potek	symbol 14 of table 1 marked, with	Anboren Anbor-	P
anbotek	RATED energy level and test method stated	ek Anbotek Anbors	Ntek
.4.3	Equipment installation	otek Anbotek Anbore	- botel
Nabo	Documentation includes instructions for:	otek nabotek Anbore	ek hor
No. No	a) Assembly, location and mounting requirements	Anber Anbertek Anber	Р
stek	b) Protective earthing	Anover the Antorek A	N
1 ²¹	c) Connections to supply	Anipo	Anborer P

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

Page 9 of 51

Report No. 18250SC00074401

Clause	Requirement – Test	Result - Remark	Verdict
Clause			Verdict
An	d) Permanently connected equipment:	Lek abotek Anboter	
All abo	1) Supply wiring requirements	All Anbotek Anboten	N
tek pr	2) If external switch or circuit-breaker, requirements and location recommendation	Anbotek Anbotek Anbo	botek N
botek	e) ventilation requirements	Anbotek Anboi Al	abo ^t N
Anbotek	f) special services (e. g. air, cooling liquid)	unbotek Anboot	Nrek
nbotek	g) Instructions relating to sound level	hek unboten Anbour	N
5.4.4	Equipment operation	stek unbotek Anbote	- 4
ek sal	Instructions for use include:	nbo hek anbotek Anbot	- hu
potek	a) identification and description of operating controls	(see user manual)	P
nbotek	b) Positioning for disconnection	anbotek Anbote	Niek
nbotek	c) Instructions for interconnection	ek nbotek Anbots	Phote
-bote	d) Specification of intermittent operation limits	(see user manual)	Р
N N	e) Explanations of symbols used	bors all botek Anbor	PAN
-X-	f) Replacement of consumable materials	Anbors An botek Ant	o ^{ten} N
	g) Cleaning and decontamination	Anboth Ann hotek	unbote N
Anbotek	h) Listing of anypoisonous or injurious gases and quantities	Anborek Anborek	AnbN
Anbore	i) RISK reduction procedures relating to flammable liquids (see 9.5)	potek Anbotek Anbois	N
atek Anb	j) RISK reduction procedures relating burn from surfaces permitted to exceed limits of 10.1	Anborek Anborek Anb	ste ^k N p
nbotek	Additional precautions for IEC 60950 conforming equipment in regard to moistures and liquids	Anbotek Anbotek P	nbote N _k
	A statement about protection impairment if used in a manner not specified by the manufacturer	k Anbotek Anbor	An Notek
5.4.5	Equipment maintenance and service	otek Anboten Anbo	- nbc
L Anbo	Instructions for responsible body include:	hotek Anboten Anbo	ek -
stek pr	Instructions sufficient in detail permitting safe maintenance and inspectionand continued safety:	Anbotek Anbotek Anb	botekP
nbotek	Instruction against the use of detachable MAINS supply cord with inadequate rating Specific battery type of user replaceable batteries	Anbotek Anbotek	P
Anbo	aboter Ante Anton	Anbo tek nobotek	AnBoten
Anbo	Any manufacturer specified parts	otek Anbor Ar Abotek	Pabo
Anbo	Rating and characteristics of fuses	hbotek Anbor An	ek P
rek pri	Instructions include following subjects permitting safe servicing and continued safety:	Anbotek Anbote And	potek P
	 a) product specificRISKSmay affect service personnel 	Anboten Anbo stek	Anbot P

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 755–26066440 Fax: (86) 755–26014772 Email: service@anbotek.com



Page 10 of 51

		i ugo ro or or	Anbore Altope	stek hubolen	AUL
Joten	Anbo wotek Anbotek A	EN 61010-1	Anboten Anb	botek Anbot	ok
Clause	Requirement – Test	Anbor otek Anbore	Result - Remark	botek An	Verdict
Anbore	And stek subotes	Anbo	otek Anbore	Mar	aboret
Anbote	b) protective measures for	theseRISKS	Lotek Anbotek	Anbo	Pubote
K Ant	c) verification of the safe si	tate after repair	Ann Lotek Anbotek	Anbo	P
5.4.6	Integration into systems or special conditions	r effects resulting from	Anbotek Anbo	tek Anbo	N
nboter	Aspects described in docu	mentation	K Anboter Ar	in otek ant	Ň

Anbore	Ann otek Nobotek Anbo ok bote	k Anbore An	Anboten
6 Anboten	Protection against electric shock		nbotel
6.1 Anbot	General	hotek Anboten Anbo	ex - nb
6.1.1	Requirements	hotek Anboten Anbo	-10K
nbotek	Protection against electric shock maintained in NORMAL CONDITION and SINGLE FAULT CONDITION	Comply with requirement	Anboten Anboten
p. botek	ACCESSIBLE parts not HAZARDOUS LIVE	ak abotek Anbote.	AntPustek
Anbotr Iek Ant	Voltage, current, charge or energy below the limits in NORMAL CONDITION and in SINGLE FAULT CONDITION between:	botek Anbotek Anbotek	P Anbo
atek	ACCESSIBLE parts and earth	And otek Anbotek An	N
Anbotek	Two ACCESSIBLE parts on same piece of the equipment within a distance of 1,8 m	Anbotek Anbotek	Anbotek
Anbore	Conformity is checked by the determination of 6.2 and 6.3 followed by the tests of 6.4 to 6.11	ek Anbore Anborek	Poten
6.1.2	Exceptions	but tek anbotek Anbots	Ant
potek P	Following HAZARDOUS LIVE parts may be accessible to an OPERATOR:	Anbotek Anbotek Ant	obotek
Anbotek	a) parts of lamps and lamp sockets after lamp removal	Anbotek Anbotek	AnboNK
Anbotel	b) parts to be replaced by operator only by the use of tool and warning marking	otek Anbotek Anbotek	PN ^{ore}
K Anbo	Those parts not hazardous live 10 s after interruption of supply	unbotek Anbotek Anbo	otek N Ant
oto A	Capacitance test if charge is received from internal capacitor	Anbotek Anbotek P	hbote ^k N
6.2	Determination of accessible parts	k abotek Anboter	Annatek
6.2.1	General	Lek sbotek Anboten	Ann
K Anbo	Unless obviously determination of accessible parts as specified in 6.2.2 to 6.2.4	nbotek Anbotek Anbotek	P ^{nb} Anb
6.2.2	Examination	anbotek Anbots Am	notek P
botek	- with jointed test finger (as specified B.2)	abotek Anbota A	Р

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com



Page 11 of 51

Report No. 18250SC00074401

Clause	Requirement – Test	Result - Remark	Verdict
Jiause	Requirement – Test	Result - Remark	verdict
Ann	with initial test former (and the ified D 4) and a former	Ant stek photek	Aupo.
Anbor	- with rigid test finger (as specified B.1) anda force of 10 N	otek Anbor An	P
6.2.3	Openings above parts that are hazardous live	No openings	ION N P
botek An	- test pin with length of 100 mm and 4 mm in diameter applied	Anbotek Anbotek Ar	botek N
6.2.4	Openings for pre-set controls	hi hotek Anboten	Ant Nek
Anbotek	- test pin with length of 100 mm and 3mm in diameter applied	nek Anbotek Anbotek	AmN
6.3 Autom	Limit values for accessible parts	botek Anboten Ant	170 - 4s
6.3.1	Levels in normal condition	hotek Anboren Anbo	dek P
potek p	a) Voltage limits less than 33 V r.m.s. and 46,7 V peak or 70 V d.c.	Accessible enclosure voltage less than limit value	AnboteP
Anbots	for wet locations voltage limits less than 16 V r.m.s. and 22,6 V peak or 35 V d.c.	Anbontek Anborek	AntN
abotel	Voltages are not HAZARDOUS LIVE the levels of:	tek abotek Anbor	h por
otek Anbr	 b) Current less than 0,5 mA r.m.s. for sinusoidal, 0,7 mA peak non sinusoidal or mixed frequencies or 2 mA d.c. when measured with measuring circuit A.1 or A.2 if less than 100 Hz 	Anbotek Anbotek Anbot Anbotek Anbotek Ant	otek N Am
Anboren	for wet locations measuring circuit A.4 used	Anboien And And	Ň
Anboren	c) Levels of capacitive charge or energy less:	ek Anboren Anbo	Nove
Anboton	1) 45 μ C for voltages up to 15 kV peak or d.c. or line A of Figure 3	potelk Anboles Anbole	K N _{Anb}
otek Ar	2) 350 mJ stored energy for voltages above 15 kV peak or d.c.	Anborek Anborek Anb	N P
6.3.2	Levels in single fault condition	anbotek Anbor P	P.4
Anbotek	a) Voltage limits less than 33 V r.m.s. and 46,7 V peak or 70 V d.c.	Accessible enclosure voltage less than limit value	Anbotel
Anbo	for wet locations voltage limits less than 16 V r.m.s. and 22,6 V peak or 35 V d.c.	hotek Anbotek Anbotek	Ninbo
tek an	Voltages are notHAZARDOUS LIVEthe levels of:	and sotek anbotek Anbo	-ak
Anbotek	 b) Current less than 0,5 mA r.m.s. for sinusoidal, 0,7 mA peak non sinusoidal or mixed frequencies or 2 mA d.c. when measured with measuring circuit A.1 or A.2 if less than 100 Hz 	Antoniek Antoniek A	Anbotek Anbotek
Anbors	for wet locations measuring circuit A.4 used	otek Anborn Ant Lotek	Nobo
Anbot	c) Levels of capacitive charge or energy less:	abotek Anbote Ano	e ^k N _M
iek Ant	1) 45 μ C for voltages up to 15 kV peak or d.c. or line A of Figure 3	Anbotek Anboten Anbo	botek N

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com



Page 12 of 51

Report No. 18250SC00074401

Clause	Requirement – Test	Result - Remark	Verdict
Diadoc	Requirement rest		Verdict
Anbotek	2) 350 mJ stored energy for voltages above 15 kV peak or d.c.	hotek Anbotek Anbotek	K N Anbo
6.4 And	Primary means of protection	inboten Anbo stek mb	o ^{tek} P M
6.4.1	ACCESSIBLE parts prevented from being HAZARDOUS LIVE by one or more of following means:	Anbotek Anbotek A	Anbotek P
Anborek	a) ENCLOSURES or PROTECTIVE BARRIERS (see 6.4.2)	e Anbole And	AnPter
abot	b) BASIC INSULATION(see 6.4.3)	tek nbotek Anbota	Р
ak sat	c) Impedance (see 6.4.4)	photo wet abotek Anbo	N
6.4.2	Enclosures and protective barriers	Anbor An abotek A	P
- ak	- meet rigidity requirements of 8.1	Anbor All Abotek	Anboren
Anbonek	- meet requirements for BASICINSULATION, if protection is provided by insulation	Anbone Anborek Anborek	AntN
k Anbote	- meet requirements of 6.7 for CREEPAGE and CLEARANCES between ACCESSIBLE parts and HAZARDOUS live parts, if protection is provided by limited access	Albotek Anbotek Anbote	ek N Ani
6.4.3	Basic insulation	Anborn An hotek	Anbote P
nbotek	- meet CLEARANCE, CREEPAGE DISTANCE and solid insulation requirements of 6.7	Anboliek Anboliek	Anto P
6.4.4	Impedance	tek obotek Anbois	N
k Aupr	Impedance used as primary means of protection meets all of following requirements:	Anbotek Anbotek Anbot	o ^{stek} N ^{Arr}
stek A	a) limits current or voltage to level of 6.3.2	Anbotek Anbo vek	N ^{Verodo}
nbotek	b) RATED for maximum WORKINGVOLTAGE and the amount of power it will dissipate	Anbotek Anbotek	AnboNX
	c) CLEARANCE, CREEPAGE DISTANCE between terminations of the impedance meet requirements of BASICINSULATION of 6.7	notek Anbotek Anbotek Anbotek	P N Prob
6.5	Additional means of protection in case of single fault condition	unbole All	oter - P
5.5.1	ACCESSIBLE parts are prevented from becoming HAZARDOUS live by the primary means of protection and supplemented by one of:	Anbotek Anbotek Anbotek Anbotek	Anborek
Anbotek	a) PROTECTIVEBONDING(see 6.5.2)	uptek Anbotek Anbore	Р
habot	b) SUPPLEMENTARYINSULATION (see 6.5.3)	notek unbotek Anbote	Р
sk pri	c) automatic disconnection of the supply (see 6.5.5)	hobotek Anbotek Anb	N N

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 755–26066440 Fax: (86) 755–26014772 Email: service@anbotek.com



Page 13 of 51

Report No. 18250SC00074401

Clause	Requirement – Test	Result - Remark	Verdict
Anbotek	Anbo, A. hotek Anbote, An	ak unbotek unbo	hisbotek
Anbotek	Alternatively one of the single means of protection is used:	otek Anbotek Anbotek	N Anbot
Anbo	e) REINFORCED INSULATION(see 6.5.3)	nboten Anbo	I ^{ek} N An ¹
tex br	f) PROTECTIVE IMPEDANCE (see 6.5.4)	Anbotek Anbo	botek N
6.5.2	Protective bonding	Anbotet Anboy Lek	abotek
6.5.2.1	ACCESSIBLE conductive parts, may become HARZARDOUSLIVE in SINGLE FAULT CONDITION:	Anbolek Anbolek	Anbotek
Anboi	Bonded to the PROTECTIVE CONDUCTOR TERMINAL; or	botek Anboise Anbo	ek - ant
potek	Separated by conductive screen or barrier bonded to PROTECTIVE CONDUCTOR TERMINAL	Anbotek Anbotek An	pote N
6.5.2.2	Integrity of protective bonding	anbotek Anbu	historek
Anbotek Anbot	a) Protective bonding consists of directly connected structural parts or discrete conductors or both; and withstands thermal and dynamic stresses	ek Anborek Anbor potek Anborek Anborek	Anbote Anbote
at pr	b) Soldered connections:	Anbor Alt abotek An	pter p
DON'S AND	Independently secured against loosening	Anbols An botek	unbote N
Anboro	Not used for other purposes	Anboin Ann hotek	AntoN
Anboio	c) Screw connections are secured	ak Anbola Am hotek	Noter
Anbore	d) Protective bonding not interrupted	potek Anbore Ante	K Nanbo
K Anb	exempted as removable partcarries MAINS SUPPLY INPUT connection	Anbotek Anbotek Anto	otek N N
unbotek Lotek	e) Any moveable PROTECTIVE BONDING connection specifically designed, and meets 6.5.2.4	Anbotek Anbotek	nbote N Anbotek
Anbotel	f) No external metal braid of cables used (not regarded as PROTECTIVE BONDING)	otek Anbotek Anbotek	PN Note
c Anbo	g) If mains supply passes through:	hotek Anboten Anbo	tek -
tek A	Means provided for passing protective conductor	hotek Anbotek Anb	N
Lotek	Impedance meets 6.5.2.4	Ann hotek Anbotek P	100 rek
Anbotek	h) Protective conductors bare or insulated, if insulated, green-and-yellow	Anbotek Anbotek	Anbonek Anbotek
Anboten	Exceptions:	otek Anboten Anbo	n hodra
Anbo	1) earthing braids	botek Anbotes Anbo	N N
iek pr	2) internal protective conductors etc.	notek anbotek Anbo	N
N. 17	Green/yellow not used for other purposes	And woter A	N

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com



Page 14 of 51

Report No. 18250SC00074401

Clause	Requirement – Test	Result - Remark	Verdict
Clause	Requirement – Test	Result - Remark	verdict
Antotek	TERMINAL suitable for connection of a PROTECTIVE CONDUCTOR, and meets 6.5.2.3	otek Anbotek Anbotek	N Anbot
6.5.2.3	Protective conductor terminal	inbotek Anbo stek inbo	iek - Ant
ter br	a) Contact surfaces are metal	Anbotek Anbo	botek P
botet	b) Appliance inlet used	Anbotet Anco Lek	Picob
Anbotek	c) For rewireable cords and permanently connected equipment, protective conductor terminal is close to mains supply terminals	Anbotek Anbotek	Amboli
ek Anbo	d) If no mains supply is required, any protective conductor terminal:	botek Anbols An	ek - Anb
botek	Is near terminals of circuit for which protective earthing is necessary	Anbotek Anbotek An	obotek
anbotek	External if other terminals external	anbotek Anbo	Net
Anbotek	e) Equivalent current-carrying capacity to mains supply terminals	ek Anbotek Anbotek	Anbote
Ano	f) If plug-in, makes first and breaks last	poten Anb stek anbot	N Anb
otek Ant	g) If also used for other bonding purposes, protective conductor:	Anbotek Anbotek Ant	lotek - p
Lotek	Applied first	Am hotek Anbotek	N
Anny Lotek	Secured independently	k hotek Anbotek	AMON
Ann	Unlikely to be removed by servicing	k Lotek anborek	N
Ano	h) Protective conductor of measuring circuit:	poter And notek Anbote	Nanbr
otek p	1) Current RATING equivalent to measuring circuit TERMINAL;	Anbotek Anbotek Anb	ote ^k N A
notek	2) PROTECTIVE BONDING:	Anbotek Anboter P	N
hotek	Not interrupted; or	k botek Anbotet	Ant N tek
Anbotel	i) Functional earth terminals allow independent connection	otek Anbotek Anbotek	Anbo
k Aupr	j) If a binding screw used for PROTECTIVE CONDUCTOR TERMINAL:	unbotek Anbois Anb	Nek P Ar
al P	Suitable size for bond wire	Anbourget Anotek A	ibote P
nbo.	Not smaller than 4,0mm (No. 6)	Anbort Anborek	Anbole
Anbor	At least 3 turns of screw engaged	anborn Anborn	P
Anbois	Passes tightening torque test	potek Anborn Ant hotek	Panbot
ek Anbo	k) Contactpressure not capable being reduced by deformation of materials	hootek Anboliek Anbo	e ^k N _A n
6.5.2.4	Impedance of protective bonding of plug- connected equipment	Anborek Anborek Ar	noter N

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com



Page 15 of 51

Report No. 18250SC00074401

Clause	Requirement – Test	Result - Remark	Verdict
Anboten	And tek anbotek Anboit An	ak Anboten And	aboret
Anbotek Anbo	Impedance between PROTECTIVE CONDUCTOR TERMINAL and each ACCESSIBLE part where PROTECTIVE BONDING is specified, is:	otek Anbotek Anbotek Anbotek	k Anbo
, alk	less than 0,1 Ohm; or	Anborrek Abotek A	N ^{botto}
hototek	less than 0,2 Ohm if equipment is provided with non detachable cord	Anbonek Anbotek	AnboleN
6.5.2.5	Bonding impedance of PERMANENTLY CONNECTED EQUIPMENT	nek Anbotek Anbotek	Anbor
6.5.2.6	Transformer protective bonding screen	hotek Anbourtek abo	state N and
ek An	Transformer provided with screen for protective bonding:	Anbotek Anbotek A	hootek N
Anbotek	screen bonding consists of directly connected structural parts or discrete conductors or both; and withstands thermal and dynamic stresses (see6.5.2.2 a)	ek Anbotek Anbotek	Anbo N Anbotek Anbotek
Anbon ak Ant	screen bonding with soldered connection (see 6.5.2.2 b) is:	potek Anborek Anbo	of N Ant
otek	- Independently secured against loosening	And Lotek Anbotek An	N
dek	- Not used for other purposes	And otek onbotek	N N
6.5.3	Supplementary insulation and reinforced insulation	ek Anbotek Anbotek	Anbpe
Anbote	- meet CLEARANCE, CREEPAGE DISTANCE and solid insulation requirements of 6.7	potek Anboten Anbo	ek P _{Anb}
6.5.4	Protective impedance	Anbore An botek An	o ^{ster} N P
	Limits current or voltage to level of 6.3.1 in NORMAL and to level of 6.3.2 in SINGLE FAULT CONDITION	Anbotek Anbotek Anbotek Anbotek	Anbotek Anbotek
Anbo, Anbotek	CLEARANCE, CREEPAGE DISTANCE between terminations of the impedance meet requirements of DOUBLE or REINFORCE DINSULATION of 6.7	otek Anbortek Anbotek	Anbo
stek And	The protective impedance consists of one or more of the following:	unboten Anb	stek N A
nbotek	a) appropriate single component suitable for safety and reliability for protection, it is:	Anbotek Anboten I	N.
Anboro	1) RATED twice the maximum WORKING VOLTAGE	Anbortek Anborek	N
Anbo	2) resistor RATED for twice the power dissipation for maximum WORKING VOLTAGE	nbotek Anbotek Anbote	N ^{ne}
tek pr	b) combination of components	Anbotek Anbo, tak	ootek N
botek	Single electronic device not used asPROTECTIVE	Anbotek Anbor P	AnbotN

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com



Page 16 of 51

Report No. 18250SC00074401

Clause	Requirement – Test	Result - Remark	Verdict
Anboten	and tok anborek Anbor Att	ak Anboten Anb	. aborek
6.5.5	Automatic disconnection of the supply	otek Anboteh Anbo	N
Anbo	a) RATED to disconnect the load within time specified in Figure 2	nbotek Anbotek Anbo	lek N
botek Ar	b) RATED for the maximum load conditions of the equipment	Anbotek Anbotek A	bote ^k N
6.5.6	Current- or voltage-limiting device	Anbotek Anboter	Anu N _{tek}
Annotek	Device complies with all of:	An botek Anboten	N
Anbot	a) RATED to limit the current or voltage to the level of 6.3.2	hootek Anbotek Anbotek	N ^{IDC}
ek pri	b) RATED for the maximum working voltage; and	abotek Anboro Ant	otek N
potek	RATED for the maximum operational current if applicable	Anbotek Anbotek Ar	AnboteN
Anbotek Anbotek	c) CLEARANCE, CREEPAGE DISTANCE between terminations of the impedance meet requirements of SUPPLEMENTARY INSULATION of 6.7	ek Anborek Anborek	An N
6.6	Connections to external circuits	hotek Anboten Anbo	Nex P
6.6.1	Connections do not cause ACCESSIBLE parts of the following to become HAZARDOUS LIVE in NORMAL CONDITION or SINGLE FAULT CONDITION:	Anbotek Anbotek An	Anbotek
Aupo	- the external circuits	ak Anboy tek obotek	Poor
Aupor	- the equipment	potek Anben pi	PAnt
K AUP	Protection achieved by separation of circuits; or	unbotek Anbois All	ptek P
otek p	short circuit of separation does not cause a HAZARD	Anbotek Anbotek	nbotelP
new	Instructions or markings for each terminal include:	And stek anbotek	Anbor
Anbor	a) Rated conditions for terminal	Anbo yek nbotek	P
Pupor	b) Required rating of external circuit insulation	otek Anbor tek nbote	Natio
6.6.2	Terminals for external circuits	inbotek Anbo, tek nb	net - p
hbotek	TERMINALS which receive a charge from an internal capacitor are not HAZARDOUS LIVE after 10 s of interrupting supply connection	Anbotek Anbotek P	hote ^k N
6.6.3	Circuits with terminals which are hazardous live	No such hazardous live terminals	Anwote
-bol	These circuits are:	bek abotek Anbote	Pup
prove prove	Not connected to accessible conductive parts; or	nborn knotek Anbo	N
botek	Connected to accessible conductive parts, but are not mains circuits and have one terminal contact at earth potential	Anbotek Anbotek Ar	poter N



Page 17 of 51

Report No. 18250SC00074401

Clause	Requirement – Test	Result - Remark	Verdict
Anbotek	And a storek Andre And	k Anbutek Anbu	hotek
Anbotek	No accessible conductive parts are hazardous live	otek Anbotek Anbo	N
6.6.4	Accessible terminals for stranded conductors	otek unbotek Anbo	ak -
rek nr	No RISK of accidental contact because:	inbo tek unbotek Anbr	N
.tek	Located or shielded	And tek nobotek A	N
Anbotek	Self-evident or marked whether or not connected to ACCESSIBLE conductive parts	Anbotek Anbotek	AnbolN nbotek
anboten	ACCESSIBLE TERMINALS will not work loose	tek anbotek Anbo	N
6.7	Insulation requirements	notek Anbotek Anboi	at 4
6.7.1	The nature of insulation	ne otek unbotek Anbo	- 40
6.7.1.1	Insulation between ACCESSIBLE parts or between separate circuits consist of CLEARANCES, CREEPAGE DISTANCES and solid insulation if provided as protection against a HAZARD	Anbotek Anbotek An Anbotek Anbotek Anbotek Anbotek	Anbotek Anbotek
6.7.1.2	Clearances	otek unbotek Anbort	Р
ak Ant	Required CLEARANCES reflecting factors of 6.7.1.1	Anbotek Anbotek Anbo	otek P An
Anbotek k	Equipment rated for operating altitude greater than 2000 m correction factor of Table 3 of 61010- 1 applied	Anbotek Anbotek	unbote P
6.7.1.3	Creepage distances	ek Anboren Anb	Roote
k shote	Required CLEARANCES reflecting factors of 6.7.1.1	potek Anbonen Anbote	K PAND
- ak	CTI material group reflected by requirements	Anbors Ant abotek Ant	Р
ote p	CTI test performed	Anbors Ans hotek	nbote P
6.7.1.4	Solid insulation	Anbolie k hotek	Anbon
Anboten	Required CLEARANCES reflectingfactors of 6.7.1.1	ek Anbotek Anbotek	_A N ^{ote}
6.7.1.5	Requirements for insulation according to type of circuit	Anbotek Anbotek Anbote	otek p
hbotek L	a) In 6.7.2 for mains circuits of overvoltage category II with a nominal supply voltage up to 300V	Anbotek Anbotek A	hotek N
Anbotek	b) In 6.7.3 for secondary circuits separated from the circuits in a) only by means of a transformer	k Anboten Anbotek	Pret
Anbo	c) In K.1 for mains circuits of overvoltage category III or IV or for overvoltage category II over 300V	nbotek Anbotek Anbote	N ^m
re ^k Ar	d) In K.2 for secondary circuits separated from the circuits in c) only by means of a transformer	Anborek Anbor An	nootek P
10-	e) In K.3 for circuits that have one or more of:	And k hotek	AnborN



Page 18 of 51

Report No. 18250SC00074401

Clause	Requirement – Test	Result - Remark	Verdict
Anboten	And a state And a soft	ek unboten unbo	aborek
Anbotek	1) maximum TRANSIENT OVERVOLTAGE is limited to known level below the level of MAINS CIRCUIT	otek Anbotek Anbotek Anbotek	K N Anbol
tek Ar	2) maximum TRANSIENT OVERVOLTAGE above the level of MAINS CIRCUIT	Anbotek Anbotek And	sbotek N
both abotek	3) WORKING VOLTAGE is the sum of more than one circuit or a mixed voltage	Anbortek Anbortek	Anboth
Anbotek	4) WORKING VOLTAGE includes recurring peak voltage, may include non-sinusoidal or non-periodic waveform	hek Anbotek Anbotek	N Anbot
ek An	5) WORKING VOLTAGE with a frequency above 30 kHz	Anbotek Anbotek Anb	h ^{potek} N
6.7.2	Insulation for mains circuits of overvoltage II with a nominal supply voltage up to 300V	Anborotek Anborek	AnbotsN
6.7.2.1	CLEARANCES and CREEPAGE DISTANCES	ok stotek Anbore	Anna P off
p.m. note	Values for MAINS CIRCUITS of table 4 are met	ok botek Anbotes	Р
ek Ant	Coatings to achieve reduction to POLLUTION DEGREE I comply with requirements of Annex H	anbotek Anbotek Anbo	P Ant
6.7.2.2	Solid insulation	anbotek Anbots Ar	N
6.7.2.2.1	Withstands electrical and mechanical stresses in normal use and all RATED environmental conditions of 1.4	Anbotek Anbotek	Anbo
Anbote	Equipment passed voltage tests of 6.8.3 with values of Table 5	potek Anbotek Anbot	ek N Anb
Anb	Complies as applicable:	Anbores Anbo	o ^{stek} N P
otek p	a) ENCLOSUREor PROTECTIVE BARRIER Clause8	Anbotek Anbotek	Anbote ^K N
Anbotek	b) moulded and potted parts requirements of 6.7.2.2.2	ak Anbotek Anbotek	Anbor Anboret
Anbort	c) inner layers of printed wiring boards requirements of 6.7.2.2.3	otek Anboit An	N _{in} bo
Jek .	d) thin-film insulation requirements of 6.7.2.2.4	unbo tek nbotek Ant	N
6.7.2.2.2	Moulded and potted parts	Anbu stek subotek	N ^{bord}
Anbotek	Conductors between same two layers are separated by at least 0,4 mm after moulding is completed	Anborek Anborek	Anbole Anbotek
6.7.2.2.3	Inner insulation layers of printed wiring boards	pote Ant otek Anbote	N ^{abo}
tek An	Separated by at least 0,4 mm between same two layers	hbotek Anbotek Anb	olek N M
potek	REINFORCE DINSULATION have adequate electric strength; one of following methods used:	Ano hotek Anbotek	N

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com



Page 19 of 51

Report No. 18250SC00074401

You	EN 61010-1	An poter P	no
Clause	Requirement – Test	Result - Remark	Verdict
Anbo.	An Anbolte, Ann atek Anbolt	Anbo Anbotek	Anbore
Anbote	a) thickness at least 0,4 mm	otek Anbore Ant	N
	 b) insulation is assembled of minimum two separate layers, each RATED for test voltage of Table 5 for BASIC INSULATION 	nbotek Anbotek Anbo	ek N Anb
Anbotek Anbotek	 c) insulation is assembled of minimum two separate layers, where the combination is rated for test voltage of Table 5 for REINFORCED INSULATION 	Anbotek Anbotek Anbotek	Anbotek
6.7.2.2.4	Thin-film insulation	Anto otek unbotek	N
tek Anb	Conductors between same two layers are separated by applicable CLEARANCES and CREEPAGE DISTANCES	Anbotek Anbotek Anbo	o ^{sek} N Anb ^o
nbotek p	REINFORCE DINSULATION have adequate electric strength; one of following methods used:	Anbortek Anbortek	Anboten hotek
- abotek	a) thickness at least 0,4 mm	ek spotek Anbort	Notek
Anbotel Anbotel	 b) insulation is assembled of min two separate layers, each RATED for test voltage of Table 5 for BASIC INSULATION 	botek Anbotek Anbotek	K Anbo
Anbotek A	c) insulation is assembled of min three separate layers, where the combination of two layers passed voltage tests of 6.8.3 with values of Table 5 for REINFORCED INSULATION	Anbotek Anbotek An Anbotek Anbotek	Anbotek
6.7.3 And the second	Insulation for secondeary circuits derived from mains circuits of overvoltage II with a nominal supply voltage up to 300V	ek Anborek Anborek Anborek	Anbo
6.7.3.1	Secondary circuits where separation from MAINS CIRCUITS is achieved by a transformer providing:	Anbotek Anbotek Anb	otek N An
Nek	- REINFORCED INSULATION	Anti-	N
Anbo	- DOUBLE INSULATION	And tek nbotek	Anbon N
Anbotek	- screen connected to the PROTECTIVE CONDUCTOR TERMINAL	otek Anbolek Anbolek	P.N.
6.7.3.2	CLEARANCES	hotek Anbotek Anbo	× P
otek An	a) meet the values of Table 6 for BASIC INSULATION and SUPPLEMENTARY INSULATION; or	Anbotek Anbotek Anb	ibotek P
Anbotek	twice the values of Table 6 for REINFORCED	Anbotek Anbotek	Potek
Anbois	 b) pass the voltage tests of 6.8 with values of Table 6; with following adjustments: 	otek Anbor Au	Pabote ek sab
otek Ant	1) values forREINFORCED INSULATION are 1,6 times the values for BASIC INSULATION	Anbotek Anbotek Anbo	potek P

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com



Page 20 of 51

Report No. 18250SC00074401

Clause	Requirement – Test	Result - Remark	Verdict
Clause		Itesuit - Itemaik	Verdict
Anbotek Anbo	2) if operating altitude is greater than 2000 m values of CLEARANCES multiplied with factor of Table 3	otek Anbotek Anbotek Anbotek	K P Anbot Anbot
tek Ar	3) minimum CLEARANCE is 0,2 mm for POLLUTION DEGREE 2 and 0,8 mm for POLLUTION DEGREE 3	Anbotek Anbotek And	obotek N
6.7.3.3	CREEPAGE DISTANCES	- Anbotek Anbot	Prek
Anbotek	Based on WORKING VOLTAGE meets the values of Table 7 for BASIC and SUPPLEMENTARY INSULATION	hek Anbotek Anbotek	Anbott Anbott
ek pri	Values for REINFORCED INSULATION are twice the values of BASIC INSULATION	Anbotek Anbotek Anth	potek P
poter abotek	Coatings to achieve reduction to POLLUTION DEGREE I comply with requirements of Annex H	Anbolo And Anbotek	Anboten N
6.7.3.4	Solid insulation	ek abotek Anboten k	N
6.7.3.4.1	Withstands electrical and mechanical stresses in normal use and all RATED environmental conditions of 1.4	botek Anbotek Anbotek Anbote	N Ant
potek botek	a) Equipment passed voltage test of 6.8.3.1 for 5 s with VALUES of Table 6 for BASIC and SUPPLEMENTARY INSULATION	Anbotek Anbotek An	unbotel ^N
Anbotek	values for REINFORCED INSULATION are 1,6 times the values of BASIC INSULATION	ek Anbotek Anbotek	Anb N Anbote
Anbole Anbole otek Anb	b) if WORKING VOLTAGE exceeds300 V, equipment passed voltage test of 6.8.3.1 for 1 min with a test voltage of 1,5 times working voltage for BASIC or SUPPLEMENTARY INSULATION	Anbotek An	ek N _{Anb} r o ^{rek} A
nboren	value for REINFORCED INSULATION are twice the WORKING VOLTAGE	Anborotek Anborek	Anbon
Annabotel	Complies as applicable:	ok abotek Anboten	N
F Joe	1) ENCLOSURE or protective barrier Clause 8	out Anbotek Anbote	N
stek A	2) moulded and potted parts requirements of 6.7.3.4.2	anbotek Anbotek Ant	oter N A
nbotek	3) inner layers of printed wiring boards requirements of 6.7.3.4.3	Anbotek Anbot	Anbo
Anos	4) thin-film insulation requirements of 6.7.3.4.4	And atek anbotek	⊳≦N
6.7.3.4.2	Moulded and potted parts	pten Anbratek nbote	< Nabo
tek Anbo	Conductors between same two layers are separated by applicable distancesof Table 8	nbotek Anbotek Anb	o ^k N _M
6.7.3.4.3	Inner insulation layers of printed wiring boards	And k wotek b	N

Shenzhen Anbotek Compliance Laboratory Limited



Page 21 of 51

Report No. 18250SC00074401

Clause	Requirement – Test	Result - Remark	Verdict
Anboten	Anbor Antone Antone Antone Antone	ak Anboten Anbo	hotek
Anbotek	Separated by at least by applicable distances of Table 8 between same two layers	otek Anborek Anbo	N Anbo
tek An	REINFORCED INSULATION have adequate electric strength; one of following methods used:	nbotek Anbotek Anbo	N A
hotek	a) thickness at least applicable distance of Table 8	An hotek Anboter Ar	N
Anbotek	b) insulation is assembled of minimum two separate layers, each RATED for test voltage of Table 6 for BASIC INSULATION	Anbotek Anbotek	Anborek Anborek
ek Anbot	c) insulation is assembled of min two separate layers, where the combination is rated for 1,6 times the test voltage of Table 6	hotek Anbotek Anbotek Anbotek	ak N N An
6.7.3.4.4	Thin-film insulation	Arn wotek Anbotek An	N
Anbotek	Conductors between same two layers are separated by applicable CLEARANCES andCREEPAGE DISTANCES	Anbotek Anbotek	Anborek Anborek
Anbote	REINFORCED INSULATION have adequate electric strength; one of following methods used:	botek Anbotek Anbote	N
sk Ant	a) thickness at least applicable distance of Table 8	Anborek Anborr An	otek N
anbotek	b) insulation is assembled of min two separate layers, each RATEDfor test voltage of Table 6 for BASIC INSULATION	Anbotek Anbotek An	unbotek
Anboten Anbote	c) insulation is assembled of min three separate layers, where the combination of two layers passed voltage tests with 1,6 time values of Table 6:	ok Anbotek Anbotek Anbotek	Anbote Anb
. alt	a.c. test of 6.8.3.1; or	Anboy py potek Anb	N
nbotek	d.c. test of 6.8.3.2 for circuits stressed only by d.c. voltages	Anborek Anborek	nborok N
6.8	Procedure for voltage tests	K unbotek Anbou	histore
6.9 photos	Constructional requirements for protection against electric shock	otek Anbotek Anbote	P
6.9.1	If a failure could cause a HAZARD:	unboten Ante otek onbo	tek - p
ster p	a) Security of wiring connections	Anboten Anbo	hote ^k P
nbotek	b) Screws securing removable covers	Anboren Anborrek	nbo'P'
Anbotek	c) Accidental loosening	anboten Anbo	Potel
Anbotek	d) CREEPAGE and CLEARANCES not reduced below the values of basic insulation by loosening	otek Anbotek Anbotek	P
6.9.2	Material not to be used for safety relevant insulation:	nbotek Anbotek Anbo	e ^k N A
notek	Easily damaged materials not used	An botek Anbotek Ar	N
. ek	Non-impregnated hydroscopic materials not used	And tek aboten	Anton N. K



Page 22 of 51

Report No. 18250SC00074401

Clause	Requirement – Test	Result - Remark	Verdict
Anbotek	Anbor Anotek Anboren Anbo	ek hobotek hobot	An
6.9.3	Colour coding	stelk anbotek Anbote	N
Anbol	Green-and-yellow insulation shall not be used except:	nbotek Anbotek Anbor	olek Pu
ten bu	a) protective earth conductors;	Anboter Anbo	potek N
botek	b) protective bonding conductors;	Anborek Anbor	Noth
Anbotek	c) potential equilization conductors;	Anbotek Anbo	Nrek
Anbotek	d) functional earth conductors	stek anbotek Anbo	N
6.10 Anbot	Connection to mains supply source and connections between parts of equipment	botek Anbotek Anbo	Nex Au
6.10.1	Mains supply cords	Anborek Anbo	dooten
o ^{otok}	Rated for maximum equipment current	Amboliek Ambo, A	nboteP
Anbotek	Cable complies with IEC 60227 or IEC 60245	Anborek Anbor	P
Anbotek	Heat-resistant if likely to contact hot parts	ek Anbotek Anbo	Noote
Anbote	Temperature rating (cord and inlet)	Lotek Anbotek Anbo	N
sk Anb	Green-and-yellow used only for connection to protective conductor terminals	Anbotek Anbotek Anbo	hotek P
poter p	Detachable cords with IEC 60320 mains connectors:	Anbolek Anbolek	unbotek
hotek	Conform to IEC 60799; or	an botek Anbotek	Ambo N _{ot} e
horeb	Have the current rating of the mains connector	work wootek Anboren	N
6.10.2	Fitting of non-detachable mains supply cords	port hotek Anbot	And
6.10.2.1	Cord entry	Anbotte Ant hotek An	optet P
offer p	Inlet or bushing smoothly rounded; or	Anborn And And	pnbote ^N N
nbois	Insulated cord guard protruding >5D	Anbore Anto botek	AntooN
6.10.2.2	Cord anchorage:	ex Anbore Am hotek	ArtPoter
Anbore	Protective earth conductor is the last to take the strain	otek Anbote And	N _{in} bo
otek Ar	a) Cord is not clamped by direct pressure from a screw	Anbotek Anbotek Ant	N A
nbotek	b) Knots are not used	unbotek Anbote	N
Anbotek	c) Cannot push the cord into the equipment to cause a hazard	Anbotek Anbotek	Anborek
Anbo	d) No failure of cord insulation in anchorage with metal parts	otek Anbotek Anbotek	Nobo
rek no	e) Not to be loosened without a tool	untek unbotek Anb	N
botek .	f) Cord replacement does not cause a HAZARD and method of strain relief is clear	Anbotek Anbotek A	N

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com



Page 23 of 51

Clause	Requirement – Test	Result - Remark	Verdict
Clause	Requirement – Test	Result - Remark	verdict
An	Push-pull and or torque test	tek sobotek Anbotek	N
6.10.3	Plugs and connectors	or An hotek Anbotek	hav
stek An	Mains supply plugs, connectors etc., conform with relevant specifications	Anbotek Anbotek Anbo	botek N
hotek	If equipment supplied at voltages below 6.3.2.a) or from a sole source:	Anborek Anborek	AnbotN
Anbotek	Plugs of supply cords do not fit mains sockets above rated supply voltage	nek Anbolek Anbolek	Anbo Anbote
Anbon Anbon	MAINS-type plugs used only for connection to MAINS supply	nbotek Anbole An	ek N _{An} b
botek I	Plug pins which receive a charge from an internal capacitor	Anbov Anbotek An	obotek
Anbotek	Accessory MAINS socket outlets:	anbotek Anbo	Nek
Anbotek	a) Marking if accepts a standardMAINSplug (see 5.1.3e)	ek Anborek Anbor	A. N Anbotel
ek Anb	b) Input has a protective earth conductor if outlet has EARTH TERMINAL CONTACT	botek Anbotek Anbot	N And
6.11	Disconnection from supply source	An botek Anboten An	- der
6.11.1	Disconnects all current carrying conductors	Arra hotek Anbotek	Inpo.
6.11.2	Exceptions	k hotek Anbotek	Anbo
6.11.3	Requirements according to type of equipment	And otek Anbotek	Aupo
6.11.3.1	Permanently connected equipment and multi- phase equipment	potek Anbotek Anbotek	Nanb ^c
otek A	Employs switch or circuit-breaker	an botek Anboten Ant	N
Anbotek	If switch or circuit-breaker is not part of the equipment, documentation requires:	Anbotek Anbotek	Anbotek
Anbore	a) Switch or circuit-breaker must be included in the installation	tek anborek Anborek	Noter
4 mbo	b) Suitable location easily reached	tek abotek Anbore	N
ok pr	c) Marking as disconnecting for the equipment	inbo, tek subotek Anb	N
6.11.3.2	Single-phase cord-connected equipment	Anbou ek abotek A	ibote.
nbor	Equipment is provided with:	Anbors Anotek	Anboter
Anbois	a) Switch or circuit-breaker; or	k Anbors And And	N
Anboien	b) Appliance coupler (disconnectable without tool);	otek Anbote And	Nabor
Anbor	c) Separable plug (without locking device)	obotek Anboter And	et N ant
6.11.4	Disconnecting devices	abotek Anboten Anbo	otek
Hete	Electrically close to the SUPPLY	All stek Anborok Al	N

Shenzhen Anbotek Compliance Laboratory Limited



Page 24 of 51

Report No. 18250SC00074401

oter p	EN 61010-1	Anboten Anbo	nbotek
Clause	Requirement – Test	Result - Remark	Verdict
Anbore	And stek suborek Ando ak both	ak Anbote And stak	nborek
6.11.4.1	Switches and circuit-breakers	otek Anboten Anbo	Naboti
Anbo	When used as disconnection device:	Lotek Anbotek Anbo	N
Helt M	Meets IEC 60947-1 and IEC 60947-3	in otek subotek Anbo	N
stek	Marked to indicate function	And stek unbotek Ar	N
dek.	Not incorporated in MAINS cord	Anb otek Anbotek	Anbo'N
Anbotek	Does not interrupt PROTECTIVE EARTH CONDUCTOR	rek Anbotek Anbotek	An N Antone
6.11.4.2	Appliance couplers and plugs	hotek Anbotek Anbo	40 - 4s
ek An	Where an appliance coupler or separable plug is used as the disconnecting device (see 6.11.3.2):	Anbotek Anbotek Anbo	potek p
obotek.	Readily identifiable and easily reached by the operator	Ambonek Ambonek	Anbotek
Anbotek	Single-phase portable equipment cord length not more than 3 m	ek Anbotek Anbotek	Anbotek
Anbor	Protective earth conductor connected first and disconnected last	botek Anbor An	K N Anbo

7	Protection against mechanical hazards		unbu
7.1 Anbotek	Equipment does not cause a mechanical HAZARD in NORMAL nor in SINGLE FAULT CONDITION	ek Anbotek Anbotek	Anbotek Anbotek
Ann	Conformity is checked by 7.2 to 7.7	poter And wotek Anboth	PAnbo
7.2	Sharp edges	Anbote, And Antek Ant	ptek P A
Joter P	Easily-touched parts are smooth and rounded	Anbote, And And	nbotekP
Anboten	Do not cause an injury in normal use and	Anboten Anto otek	anboP ^{ik}
Anboten	Do not cause an injury in single fault condition	K Anboten Anbo	Potek
7.3 Anbole	Moving parts	otek Anbotek Anbo	- obot
7.3.1	HAZARDS from moving parts limited to a tolerable level with the conditions specified in 7.3.2 and 7.3.5	Anbotek Anbotek Anbo	tek N An
nbotek	RISK assessment in accordance with 7.3.3 carried out	Anbotek Anbotek	Anboth
7.3.2	Exceptions:	Anbo tek abotek	Arthoto
Anbo	Access to HAZARDOUS moving parts permitted under following circumstances:	otek Anborek Anbotek Anbotek	Noboli
Hek pr	a) obviously intended to operate on parts or materials outside of the equipment	Anbotek Anbotek Anbo	N Print
hoten	inadvertent touching of moving parts minimized by equipment design (e .g. guards or handles) botek Compliance Laboratory Limited	Anboten Anbo	AnbotN

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com



Page 25 of 51

Report No. 18250SC00074401

Clause	Requirement – Test	Result - Remark	Verdict
Anbotek	Anboin An hotek Anboten And	ak unbotek Anbor	Print
Anbotek	 b) If operator access is unavoidable outside normal use following precautions have been taken: 	otek Anbotek Anbotek Anbotek	N Anbot
tek pr	1) Access requires TOOL	abotek Anboten Anu	otek N
botek	2) Statement about training in the instructions	At Anbotek Anboter At	N
Anbotek	3) Warning markings on covers prohibiting access by untrained operators	Anbotek Anbotek	Anborek Anborek
Anboro	or symbol 14 with full details in documentation	tek Anbole And hotek	Nipos
7.3.3	Risk assessment for mechanical HAZARDS to body parts	obotek Anborer Anbo	et N pril
potek P	RISK is reduced to a tolerable level by protective measures as specified in Table 12	Anbotek Anbotek An	N abotek
Anbotek	Minimum protective measures:	Anbotek Anboursek	Nek
Anbotek	A. Low level measures	ek unbotek Anborrek	N
nboth	B. Moderate measures	otek unbotek Anbor	N
14 ad	C. Stringent measures	tek nbotek Anbot	N
7.3.4	Limitation of force and pressure	Anburgetek anbotek An	N
Anbotek	Following levels are met in normal and single fault condition:	Anbotek Anbotek	anbolu N
Anboten	Continuous contact pressure below 50 N / cm ² with force below 150 N	ek Anbotek Anbotek	Amborel
k Ant	Temporary force below 250 N for an area at least of 3 cm ² for a maximum duration of 0,75 s	pote And Anbotek Anbotek	NAnb ⁱ
7.3.5	Gap limitations between moving parts	An anbotek Anbote Ans	N
7.3.5.1	Access normally allowed	An Anboten I	N
	If levels of 7.3.4 exceeded and body part may be inserted minimum gap as specified in Table 13 assured in NORMAL and in SINGLE FAULT CONDITION	orek Anborek Anborek	Anbotek Anbotek
7.3.5.2	Access normally prevented	Anboten Anbo	tek N pr
hotek A	Maximum gap as specified in Table 14 assured in NORMAL and in SINGLE FAULT CONDITION	Anboten Anborek A	ibote ^k N
7.4	Stability	Ant hotek Anbotek	Anbo-
Anbotek	Equipment not secured to the building structure is physical stable	otek Anbotek Anbotek	ArP
Anbo	Stability maintained after opening of drawers, etc. by automatic means, or	nbotek Anbotek Anbo	ek N pr
otek pi	Warning marking requires the application of means	Anborn Anborak An	poter N

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com



Page 26 of 51

Report No. 18250SC00074401

Clause	Requirement – Test	Result - Remark	Verdict
Anbutek	hode hole hole hole	A subject to the subject of the subj	hotek
Anbotek	Compliance checked by following tests as applicable:	otek Anbotek Anbotek	Anbot
Pup	a) 10° tilt test for other than handheld equipment	nboter And otek Anbo	N PO
ootek Al	b) multi-directional force test for equipment exceeds height of 1 m and mass of 25 kg	Anbotek Anbotek Ar	botek N
Anbotek	c) downward force test for floor-standing equipment	Anbotek Anbotek	Anborek Anborek
Anboin	d) overload test with 4 times maximum load for castor or support that supports greatest load	ntek Anboitek Anbotek	Nibot
ok pr	e) castor or support that supports greatest load removed from equipment	Anbotek Anbotek Anbo	N Am
7.5	Provisions for lifting and carrying	Anbotek Anbo	obo ^{te} N
7.5.1	Equipment more than 18 kg:	onbotek Anbo	Nek
Anbotek	Has means for lifting or carrying; or	ek Anbotek Anbot	N
nbot	Directions in documentation	stek snbotek Anbor	N
7.5.2	Handles or grips	tek nbotek Anbor	Р
*6X	Handles or grips withstand four times weight	Anbo tek pobotek Ant	Р
7.5.3	Lifting devices and supporting parts	Anboy tek potek	unboto N
nbor	Rated for maximum load; or	Anboi tek abotek	An ^b N
Anbois	tested with four times maximum static load	ek Anbor Lek aborek	PN ^{ove}
7.6 Anbor	Wall mounting	potek Anboy At toote	K - Anb
Ank	Mounting brackets withstand four times weight	Anbotek Anbots Att	ote ^k N
7.7	Expelled parts	anbotek Anbots An	hotek-
abotek	Equipment contains or limits the energy	anbotek Anboth	N
abotek	Protection not removable without the aid of a tool	ok obotek Anboler	N _{ot} ek
ph	Anboron Ann otek Anboren Anbo	rek abotek Anboten	Press
3	Resistance to mechanical stresses	po kek sobotek Anbore	- Pup
3.1	Equipment does not cause a hazard when subjected to mechanical stresses in normal use	Anborek Anborek Anbr	No P
botek	Normal protection level is 5J	Considered 5J	P'or
Anbotek	Levels below 5 J but not less than 1 J are acceptable if all the following criteria are met	Anbotek Anbotek	Arbak
Aupo	a) lower level be justified by manufacturer	oten Anburgek abotek	Nabo
ek Anbo	b) cannot easily be touched by unauthorzed persons or the general public	nbotek Anbor Anbo	le ^k N pr
P	c) only occasional access during NORMAL USE	Anbo' An otek	poter N

Shenzhen Anbotek Compliance Laboratory Limited

Anbo

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com



Page 27 of 51

Report No. 18250SC00074401

Clause	Requirement – Test	Result - Remark	Verdict
abotek	Anbor Ar hotek Anboter And	k spotek kopo.	P. Notek
Anbotek	d) IK code in accordance to IEC 62262 marked or symbol 14 used with full information in the documentation	otek Anbotek Anbotek Anbotek	N Anbo
ek An	For non-metallic ENCLOSURES rated below 2 °C ambient temperature value chosen for minimum rated temperature	Anbotek Anbotek Anbo	N ^{All}
porek	Impact energies between IK values, the IK code marked for nearest lower value	Anboir Ain Anbotek	AnbotN
Anu	Conformity is checked by performing following tests:	tek nbotek Anbotek	Anbo
h	1) the static test of 8.2.1	tok botek Anbote	Р
ok pro	2) impact test of 8.2.2 with 5J except for hand- held equipment	hotek Anbotek Anbot	P An
otek	If impact energy not selected to 5J alternate method of IEC 62262 used	Anbotek Anbotek An	obotek
Anbotek	3) drop test of 8.3.1 or 8.3.2 except for fixed and equipment with mass over 100kg	Anbotek Anboic	Ann Pek
Anboten	Equipment rated with an impact rating of Ik 08 by that clearly meets the criteria	tek Anboten Anor	Anbot
	After the tests inspection with following results:	potek Anbo, At both	K - pro
K AUD	- Hazardous live parts above the limits of 6.3.2 not accessible	Anbotek Anboto And	otek N
pter p	- insulation pass the voltage tests of 6.8	Anbole, Ann otek	nboteN
nbotek	i) no leaks of corrosive and harmful substances	Anbotek Anbor	AnbPak
	ii) Enclosure shows no cracks resulting in hazard	ek Anbore Ani	Pote
Anbote	iii) CLEARANCES not less than their permitted values	potek Anboten Anb	P
Anbr	iv) the insulation of internal wiring remains undamaged;	Anbotek Anbo, A.	otek P
No. A	V) Protective barriers necessary for safety have not been damaged or loosened	Anbote Ane Anbotek A	nbote ^t N
botek	vi) No moving parts exposed, except permitted by 7.3	Anbo	Anbon
AI. botek	vii) no damage which could cause spread of fire	ak botek Anboten	₽°P
.2	Enclosure rigidity tests	or An hotek Anbote	Pint
.2.1	Static test	unbu h botek Anbr	P
- ps	- 30N with 12mm rod to each part of enclosure	Anbor All hotek A	ibotek P
oote botek	- in case of doubt test conducted at maximum rated ambient temperature	Anborek Anborek	AnbolN
.2.2 Anbotek	Impact test	Applied to enclosure with acceptable results	Anbo
Anboi	Impact applied to any part of enclosure causing a hazard if damaged	nbotek Anbon dek Anbo	e [⊁] P _P

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com



Page 28 of 51

Report No. 18250SC00074401

Yo.	EN 61010-1	Ant lok shotek A	nbo
Clause	Requirement – Test	Result - Remark	Verdict
Anboie	hin tek aboter Anto ak hot	er Anbore Ant	nboret
	Non-metallic enclosure cooled to minimum rated ambient temperature if below $2^{\circ}C$	otek Anbotek Anbo	P
8.3	Drop test	Inbolt An hotek Anbo	N An
8.3.1	Equipment other than HAND-HELD EQUIPMENT and DIRECT PLUG-IN EQUIPMENT	Anborek Anbotek Ar	boter N
notek	Test conducted with a drop height or angle of:	An hotek Anboten	Ano Nek
8.3.2	HAND-HELD EQUIPMENT and DIRECT PLUG-IN EQUIPMENT	tek Anbotek Anbotek	AnP
Anbo	Non-metallic ENCLOSURES cooled to minimum RATED ambient temperature if below 2 °C	botek Anbotek Anbo	ek P prit
PL PL	Drop test conducted with an height of 1 m	Anboten Ant	botek P

9 nboter	Protection against the spread of fire		nbotek
9.1 100 100 100 100 100 100 100 100 100 1	No spread of fire in normal and single fault condition	ek Anborek Anbol	PAnbot
ak Ant	Mains supplied equipment meets requirement of 9.6 additionally	bore And Anborek Anbor	otek
potek	Conformity for each source of HAZARD or area of the equipment is checked by one of the following:	Anbotek Anbotek An	AnboteiP
Anbor	a) Fault test of 4.4; or	Anbor An hotek	AnbP
Anbore	b) Application of 9.2 (eliminating or reducing the sources of ignition); or	ek Anbohek Anbotek	Not
k Aup	c) Application of 9.3 (containment of fire within the equipment)	Anbotek Anbotek Anbot	P ^{hil}
9.2	Eliminating or reducing the sources of ignition within the equipment	Anbotek Anbotek	hbotek.
unu otek	a) 1) Limited-energy circuit (see 9.4); or	And otek Anbotek	AnboN
Antotel	2) Insulation meets the requirements for BASIC INSULATION; OR	otek Anbotek Anbotek	A N Anto
K Anbr	Bridging the insulation does not cause ignition	hotek Anboten Ant	tek N
otek p	b) Any ignition HAZARD related to flammable liquids (see 9.5)	No liquids used	nbotek N
nboit	c) No ignition in circuits designed to produce heat	Anborn An hotek	Anboh
9.3	Containment of the fire within the equipment, should it occur	tek polotek Anbotek	Antrote
Anbo	a) Energizing of the equipment is controlled by an operator held switch	nbotek Anbotek Anbote	N ^{nu} A
tek Ar	b) ENCLOSURE is conform with constructional requirements of 9.3.1; and	Anbotek Anbotek A	botek P
10-	Requirements of 9.5 are met	And k sotek	Anbo'N



Page 29 of 51

Report No. 18250SC00074401

Clause	Requirement – Test	Result - Remark	Verdict
Anbote	And antek anbolek Anboo	ek Anbote Anb Lotek	Anborek
9.3.1	Constructional requirements	otek Anboten Anbo	- abo
	a) Connectors and insulating material have flammability classification V-2 or better	Fire enclosure is made of metal and plastic flame rated V-0	iek P Af
botek	 b) Insulated wires and cables are flame retardant (VW-1 or equivalent) 	Anbotek Anbotek A	Anboh
Anboi	c) ENCLOSURE meets following requirements:	Anborn An borek	P
Anbois	1) Bottom and sides in arc of 5 ° (see Figure 13) to non-limited circuits (9.4) meets:	otek Anborek Anborek	N too
ek 14	i) no openings; or	Anboi vek Anboitek Anboi	Р
-ok	ii) perforated as specified in Table 16; or	Anbor tek abotek An	N
ber ber	iii) metal screen with a mesh; or	Anbo tek sobotek	Anboren K
Anborrok	iv) baffles as specified in Figure 12	Anbor Att abotek	AntoN
Anbor	2) Material of ENCLOSURE and any baffle or flame barrier is made of:	Fire enclosure is made of plastic flame rated V-0	Root
y nd	Metal (except magnesium); or	otek Anbotek Anbot	N
otek	Non-metallic materials have flammability classification V-1 or better	Anbotek Anbotek Ant	P
Anbotek	3) ENCLOSURE and any baffle or flame barrier have adequate rigidity	Anbotek Anbo	AnbeRek
9.4	Limited-energy circuit	And Lotek Anbotek	Pupo.
Ant Ant	a) Potential not more than 30 r.m.s. and 42.4 V peak, or 60 V dc	abotek Anbotek Anbotek	NAnt
stek	b) Current limited by one of following means:	And Anbotek Anbote And	-otek-
botek	1) Inherently or by impedance;	An botek Anboter P	N
botek	2) Over current protective device;	Al abotek Anboten	And N
Anbote	3) A regulating network limits also in SINGLE FAULT CONDITION	hotek Anbotek Anboten	PN Anb
Anb	c) Is separated by at least BASIC INSULATION	nbotek Anboto An	N York
tek p	Fuse or a nonadjustable electromechanical device is used	Anbotek Anbote An	botek
9.5	Requirements for equipment containing or using flammable liquids	No flammable liquids used	Anbol
Anbotel	Flammable liquids contained in or specified for use with equipment do not cause spread of fire	optek Anbotek Anbotek	N Anbr
Aup	Risk is reduced to a tolerable level :	Anbotek Anboy Att	юк <u>-</u> р
er A	a) The temperature of surface or parts in contact with flammable liquids is 25 °C below fire point	Anbotek Anbotek Ar	pote ^k N
pro k	b) The quantity of liquid is limited	No such liquid used	Anbote N. v



Page 30 of 51

Report No. 18250SC00074401

Clause	Requirement – Test	Result - Remark	Verdict
Anbote	And stek subotek Andor At soft	ak Anbute And Adv	nborek
Anboter	c) Flames are contained within the equipment	otek Anboten Anbo	N
4 anbo	Detailed instructions for risk-reduction provided	Lotek Anborek Anbu	N
9.6	Overcurrent protection	hover anbotek Anbo	N
9.6.1	Mains supplied equipment protected	And atek Anbotek Ar	N
Anbotek	Basic insulation between mains parts of opposite polarity provided	Anbotek Anbotek	AnborN Anbotek
Anboten	Devices not in the protective conductor	stek Anboten Anbo	Nipote
Anbo	Fuses or single pole circuit-breakers not fitted in neutral (multi-phase)	botek Anbotek Anbot	ek N Anb
9.6.2	Permanently connected equipment	Anbore And Lotek An	pot ^{er} N P
hoter	Overcurrent device:	Anboten Ano otek	anboten
Anboto	Fitted within the equipment; or	Anboren Anbo	antoN ^{ek}
Anboten	Specified in manufacturer's instructions	ek Anboret Anbo	Nootek
9.6.3	Other equipment	notek Anboten Anbo	× N spo
ek d	Protection within the equipment	to tak pototek Anbor	N

10	Equipment temperature limits and resistance to	heat	And rek
10.1	Surface temperature limits for protection against burns	ek Anbotek Anbotek	Anbor
Anbore	Easily touched surfaces within the limits in NORMAL and in SINGLE FAULT CONDITION:	(see appended table)	P P Ant
All All	- at an specified ambient temperature of 40 °C	Anbon ok botek Anb	N
nbotek	- for equipment rated above 40 °C ambient temperature limits not exceeded raised by the difference to 40 °C	Anbotek Anbotek	Anbotek
Anbote	Heated surfaces necessary for functional reasons exceeding specified values:	otek Anbotek Anbotek	And And
k Anb	Are recognizable as such by appearance or function; or	unbotek Anbotek Anbo	N N
ster p	Are marked with symbol 13	Anbote & And hotek A	Notek N
hbote.	Guards are not removable without TOOL	Anbote, And And	Anbo'N
10.2	Temperatures of windings	ek Anbore Anu otek	noote
Anboter	Limits not exceeded in:	otek Anboten Anb	da
Anbo	NORMAL CONDITION	hotek Anboten Anbo	P P
rek al	SINGLE FAULT CONDITION	hotek Anbotek Anbo	atek P
10.3	Other temperature measurements	(see appended table)	P
wotek.	Following measurements conducted if applicable: nbotek Compliance Laboratory Limited	Ann otek anbotek	Aupor

Page 31 of 51

Report No. 18250SC00074401

Clause	Requirement – Test	Result - Remark	Verdict
Anbote	And stek anbotek Anbo, his bote	ik Anboite know stek	nbotek
Anbotek	a) Value of 60 °C of field-wiring terminal box not exceeded	otek Anbotek Anbo	Anbot
Anbo	 b) Surface of flammable liquids and parts in contact with this liquids 	nbotek Anbolt An	lek N An
	c) Surface of non-metallic enclosures	Anboten Another	botek P
botek rek	d) Parts made of insulating material supporting parts connected to mains supply	Anbotek Anbo	AnbotN
10.4	Conduct of temperature test	Anbor Ar botek	Pres
10.4.1	Tests conducted under reference test conditions and manufacturer's instructions	tek Anbone And Anbotek	Pubor
10.4.2	Temperature measurement of heating equipment	aboter Anu otek Anbo	ek N An
er An	Tests conducted in test corner	Anboten And tek	potek N
10.4.3	Equipment intended for installation in a cabinet or wall	Anbotek Anboi	AnboteN
Anbo, hotek	Equipment built in as specified in installation instructions	Anborrek Anborrek	AntoN
10.5	Resistance to heat	to Ant otek Anbotek	Ploor
10.5.1	Integrity of CLEARANCE and CREEPAGE DISTANCES	botek Anbotek Anbot	Pant
10.5.2	Non-metallic ENCLOSURES	All hotek Anboter An	P
otek	Within 10 min after treatment:	And wotek Anbotek	Pak
10.5.3	Insulating material	And stek Anbotek	AnDP
Anbotel	a) Parts supporting parts connected to MAINS supply	potek Anbotek Anbotek	P
k anb	b) TERMINALS carrying a current more than 0.5 A	botek Anboten Anbo	, e× P
otek p	Examination of material data; or	hotek Anborek Anb	Р
wotek	in case of doubt::	Ant hotek Anbotek	Tupo.
unu-	1) Ball pressure test; or	k wotek Anbotek	Ant P .ek
prion vel	2) Vicat softening testof ISO 306	prot wek abotet.	P

11	Protection against hazards from fluids	Anbois An hotek Anbo	ter And
11.1	Protection to OPERATORS and surrounding area provided by EQUIPMENT	Anbotek Anbotek A	ibote ^K N P
abotek	All fluids specified by manufacturer considered	ek sobotek Anbote	Nitek
11.2	Cleaning	lek abotek Anbote	^A N stek
11.3	Spillage	bothek Anbotek	N
11.4	Overflow	Anboin at hotek Anbo	N And
11.5	Battery electrolyte	Anborn ak borak Ar	poten A
nbore	Battery electrolyte leakage presents no hazard	Anbolu Anti Lotek	anbot N

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

Page 32 of 51

Report No. 18250SC00074401

Clause	Requirement – Test	Result - Remark	Verdict
Anbote	And tek unbotek Andor At	ak Anborte And	anborek
11.6	Specially protected equipment	otek Anboten Anbo	N
11.7	Fluid pressure and leakage	Lotek Anbotek Anbo	ek -
11.7.1	Maximum pressure	inter inbotek Anb	with the second
botek	Maximum pressure of any part does not exceed P_{RATED}	Anbotek Anbotek A	N Nuboten
11.7.2	Leakage and rupture at high pressure	Anboten Anto	Ntek
Anboren	Fluid containing parts subjected to hydraulic test if:	otek Anbotek Anbotek	N Anbote
ek pr	a) product of pressure and volume > 200 kPal; and	sporek Anborek Anbo	Notek N Ant
ootek	b) pressure > 50 kPa	abotek Anbote A	N
Anbotek	Parts of refrigerating systems meets pressure- related requirements of IEC 60335-24 or IEC 60335-24	Anbotek Anbotek	Anborek Anborek
11.7.3	Leakage from low-pressure parts	stek unbotek Anbo	N
11.7.4	Overpressure safety device	otek pobotek Anbo	- pri
494	Does not operate in NORMAL USE	And tek anbotek An	N
Anbotek	a) Connected as close as possible to parts intended to be protected	Anbotek Anbotek	unbol N
Anbotek	b) Easy access for inspection, maintenance and repair	ek Anborek Anbo	Amborek
Pur	c) Adjustment only with TOOL	pote Ant otek Anbot	NAUD
PUL	d) No discharge towards person	Anboten And otek And	o ^{xek} N N
o ^{ten} I	e) No HAZARD from deposit of discharged material	Anbotet Anbo	nbote ^K N
nboten	f) Adequate discharge capacity	Anboten Anbo	NK
Anbotek	No shut-off valve between overpressure safety device and protected parts	ok Anbotek Anbo	Notek

12	Protection against radiation, including laser sou ultrasonic pressure	urces, and against sonic and	itek Anb
12.1	Equipment provides protection	An hotek Anboten A	N
12.2	Equipment producing ionizing radiation	Ann hotek Anbotek	AND N
12.2.1	Ionizing radiation	k sotek anbotek	P N
12.2.1.1	Equipment meets the following requirements:	oren And sotek Anborek	Nabo
otek An	a) if intended to emit radiation meets requirements of 12.2.1.2; or	nbotek Anbotek Anbo	ek N Anbo
nbotek	tested, classified and marked in accordance to IEC 60405	Anbotek Anbotek Ar	AnboreN

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 755–26066440 Fax: (86) 755–26014772 Email: service@anbotek.com



Page 33 of 51

Report No. 18250SC00074401

Clause	Requirement – Test	Result - Remark	Verdict
Anboten	Ander Antoniek Antonie Alli	ak Anboten Anbo	nbotek
Anbotek	b) if only emits stray radiation meets requirements of 12.2.1.3	otek Anborek Anbo	N Anbo
12.2.1.2	Equipment intended to emit radiation	nboter And	N P
len bu	Effective dose rate of radiation measured	Anbotet Anbo	botek N
boten	If dose rate exceeds 5 µSv/h marked with the following:	Anbotek Anbotek	AnbotN
Annotek	a) Symbol 17 (ISO 361)	ak botek Anboten	N
Acres	b) Abbreviations of the radionuclides	and Annotek Anbotek	N
P.C.	c) With maximum dose at 1 m;or	hborter Anno Anno	N A
potek An	with dose rate value between 1 µSv/h and 5 µSv/h in m	Anbotek Anbotek An	poten N
12.2.1.3	Equipment not intended to emit radiation	abotek Anboten	And Nek
Anbotek	Limit for unintended stray radiation of 1 µSv/h at any easily reached point kept	iek Anbotek Anbotek	Anbot
12.2.2	Accelerated electrons	botek Anbort Alt	M N pr
K Ant	Compartments opened only by the use of aTOOL	nbotek Anbors An	ote ^k N
12.3	Ultra-violet (UV) radiation	Conformity test under consideration	unbotek-
Anbotek	No unintentional and HAZARDOUS escape of UV radiation:	Anborek Anbotek	An ^b N
Anbote	- checked by inspection; and	otek Anbotek Anbo	N
4 anb	- evaluation of RISK assessment documentation	notek Anbotek Anbo.	N
12.4	Microwave radiation	Ann otek Anbotek Anb	- A
stek	Power density does not exceed 10 W/m ² :	And otek Anbotek	nbor N
2.5	Sonic and ultrasonic pressure	And otek anboliek	Anboi
12.5.1	Sound level	Anbo stek anbotek	Ň
Anbo	No HAZARDOUS sound emission	oten Anbo	Noto
tek Ar	Maximum sound pressure level measured and calculated for maximum sound power level as specified in ISO 3746 or ISO 9614-1	Anbotek Anbo	hek N p
botes	Instruction describes measures for protection	Anbotek Anbo	N N
2.5.2	Ultrasonic pressure	k Anboten Anbo	Nte
Anbotek Anbot	Equipment not intended to emit ultrasound does not exceed limit of 110 dB between 20 kHz and 100 kHz	obotek Anbotek Anbotek	N Anbo
ek pr	Equipment intended to emit ultrasound:	anbotek Anboter Ano	otek N
potek	Outside useful beam does not exceed limit of 110 dB between 20 kHz and 100 kHz	Anbotek Anboten A	N

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

Page 34 of 51

Report No. 18250SC00074401

Clause	Requirement – Test	Result - Remark	Verdict
Anbo	An stek inbote. And sk inot	er Anbor An arek	nbore
	If inside useful beam above values exceeded:	otek Anbotek Anbo	N
anbr	Marked with Symbol 14 of Table 1	untek anbotek Anbo	N
ek k	and following information in the documentation:	And stek unbotek Anbo	N
tek	a) dimensions of useful beam	And stek anbotek Ar	N
yek.	b) area where ultrasonic pressure exceed 110 dB	Anbutek	AnboiN
Anbo	c) maximum sound pressure inside beam area	Anbo yek hotek	N
12.6	Laser sources	otek Anbor At botek	Nioos
Anbo	Equipment meets requirements of IEC 60825-1	botek Anbor An	× N d

13	Protection against liberated gases, explosion a	nd implosion	abotek	
13.1	Poisonous and injurious gases and substances	No injurious gases	N	lek.
Anbotek	No poisonous or injurious gases or substances liberated in NORMAL CONDITION	ek Anbotek Anbotek	N P	hote
Pup	Attached data/test reports demonstrate conformity	pore And stek Anbot	N	Pupp
13.2	Explosion and implosion	Anbotet And otek on	otek -	-
13.2.1	Components	Anboten Anbo	nbotek	_
Anboten	Components liable to explode:	Anboten Anbo	- nbot	ek
Anboten	Pressure release device provided; or	lek Anboten Anbo	N	pote
Anbote	Apparatus incorporates OPERATOR protection (see also 7.7)	potek Anbotek Anbo	Ν	Anb
Ann	Pressure release device:	Anbote Ant Lotek Anb	otek -	- 7
oter p	Discharge without danger	Anbote, And otek	nbotek	1
nboten	Cannot be obstructed	Anboten Ante otek	Nodia	PK-
13.2.2	Batteries and battery charging	ok Anboten And atek	10	otel
Anbote	If explosion or fire hazard could occur:	otek Anboten Anbo		nb
4 Anbr	Protection incorporated in the equipment; or	botek Anboten Anbo	N Mer	i i
stek p	Instructions specify batteries with built-in protection	Anbotek Anbotek Anb	nbotek	1
nbote.	In case of wrong type of battery used:	Anbore And And	Anbote	N.
Anborer	No HAZARD; or	Anboren Anne Anter	And	pte ^v
Anboter	Warning by marking and within instructions	otek Anboter And	N	nbo
Anbo	Equipment with means to charge rechargeable batteries:	nbotek Anbotek Anbo	let -	P
botek Al	Warning against the charging of non-rechargeable batteries; and	Anborek Anborek Ar	poten N	4

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 755–26066440 Fax: (86) 755–26014772 Email: service@anbotek.com

Page 35 of 51

Report No. 18250SC00074401

	EN 61010-1		
Clause	Requirement – Test	Result - Remark	Verdict
Anbois	And stek sobores Ane at both	ar Anbour An atek	poter
	Type of rechargeable battery indicated; or	otek Anboten Anbo	Nubote
4 Anbo	Symbol 14 used	wotek Anbotek Anbo	N
stek ar	Battery compartment design	nu votek anbotek Anbo	N
otek	Single component failure	Ant otek Anbotek Ar	N
nuntek	Polarity reversal test	Anto otek onbotek	Anbo N
13.2.3	Implosion of cathode ray tubes	No such device used	Anbor
Anbo	If maximum face dimensions > 160 mm:	ten Anbo stek unbotek	Hupor
Anbo	Intrinsically protected and correctly mounted; or	hooten Anboutek abot	ek N Anbo
tor An	ENCLOSURE provides protection:	Anbotek Anbo tek	DOTEK N AT
hotek	If non-intrinsically protected:	anbotek Anbo	oborek
anbotek	Screen not removable without TOOL	anbotek Anboursek	Net
anbotek	If glass screen, not in contact with surface of tube	ek unbotek Anbot	Notek

14	Components and subassemblies		P
14.1	Where safety is involved, components meet relevant requirements	Anbotek Anbotek An	P
14.2	Motors	Anbotek Anbo	abovek
14.2.1	Motor temperatures	ek anbotek Anbo	a botek
Anbote	Does not present a HAZARD when stopped or prevented form starting; or	potek Anbotek Anbot	K N Anbot
botek Ani	Protected by overtemperature or thermal protection device conform with 14.3	Ambotek Ambotek Ant	otek N An
14.2.2	Series excitation motors	An hotek Anboten	and stek
Anbotek	Connected direct to device, if overspeeding causes a HAZARD	K Anbotek Anbotek	Anbonek Anbotek
14.3 Mbol	Overtemperature protection devices	otek Anborn Art	 Nanbote
ick Anb	Devices operating in a SINGLE FAULT CONDITION	abotek Anbore And	net N ant
votek p	a) Reliable function is ensured	abotek Anbote And	Wote N
Anbotek	b) RATED to interrupt maximum current and voltage	Arrbotek Anbote P	Anboth
Anbo	c) Does not operate in NORMAL USE	Anbo, ak abotek	A. Notes
Anbois ek Anbo	If self-resetting device used to prevent aHAZARD, protected part requires intervention before restarting	otek Anbou An nbotek Anbotek Anbotek	Nhbote lek Anb
14.4	Fuse holders	Anboten Anburgek	potek N P
nbotek	No access to HAZARDOUS LIVE parts	unbotek Anbour	Ň

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com



Page 36 of 51

Report No. 18250SC00074401

with Pr	EN 61010-1	Anbo ok botek A	nbore
Clause	Requirement – Test	Result - Remark	Verdict
Anbore	Antek notores Ante K not	ak Anboic Ant	anboret
14.5 hotel	Mains voltage selecting devices	otek Anboten Anbo	N
Anbot	Accidental change not possible	hotek Anbotek Anbo	N
14.6	Mains transformers tested outside equipment	in wotek anbotek Anbo	N
14.7	Printed wiring boards	And otek anbotek Ar	N
Anbotek	Data shows conformity with V-1 of IEC 60695-11- 10 or better; or	Anbotek Anbotek	AnborN
Anboten	Test shows conformity with V-1 of IEC 60695-11- 10 or better	otek Anbotek Anbotek	N Anbote
iek Ant	Not applicable for printed wiring boards with limited-energy circuits (9.4)	nbotek Anbotek Anbo	N Anb
14.8	Circuits or components used as TRANSIENT OVERVOLTAGE limiting devices	Anbotek Anbote An	AnboteN
Anbor	Test conducted between each pair of MAINS SUPPLY TERMINALS	ek Anbotek Anbotek	AntN
Anbote	No HAZARD resulting from rupture or overheating of the component:	potek Anbotek Anbot	× N
en Anb	- no bridging of safety relevant insulation	Anboten Anbo	ote ^k N N
potek p	- no heat to other parts above the self-ignition points	Anbotek Anbotek	unbote ^N N

15	Protection by interlocks		Anbo.
15.1	Interlocks are designed to remove a hazard before OPERATOR exposed	botek Anbotek Anbot	htek nat
15.2	Prevention of reactivating	Anthotek Anboten Ant	N
15.3	Reliability	An hotek Anboten	pinb ^o
Ann Lotek	Single fault unlikely to occur; or	Ann sotek Anbotek	AND N tek
Ano	Cannot cause a HAZARD	Anno otek anbotek	N

16	HAZARDS resulting from application	Anbote, And And Anb	ntek P Anb
16.1	REASONABLY FORESEEABLE MISUSE	Anboren Anon otek	Noote ^k N P
Inboten	No hazards arising from setting not intended and not described in the instructions	Anbolen Anbolek	AnboNK
Anbotel	Other cases of reasonable foreseeable misues addressed by risk assessment	otek Anbotek Anboten	Anbotel
16.2	Ergonomic aspects	abotek Anboin Am	ek P Anbr
otek A	Factors giving rise to a HAZARD the RISK assessment is reflecting those aspects:	Anbotek Anbote And	potek P
nboter	a) Limitation of body dimensions	Anboten Anbo	P

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 755–26066440 Fax: (86) 755–26014772 Email: service@anbotek.com

Page 37 of 51

Report No. 18250SC00074401

joten I	EN 61010-1	Anbotek Anbo	Anbotek
Clause	Requirement – Test	Result - Remark	Verdict
Anbore	And stek subotek Anbo ak bo	tek Anbote And tek	nborek
	b) Displays and indicators	uptek Anbotek Anbo	P
r anb	c) Accessibility and conventions of controls	notek unbotek Anbo	P
yek.	d) Arrangements of TERMINALS	Inbo tek nbotek Anb	Р

17	Risk assessment		Anbo ak
Anbo	Rish assessment conducted, if hazard might arise and not covered by claused 6 to 16	Fully covered by clauses 6 to 16	AnN
Anboth	Tolerable rish achieved by iterative documented process covering the following:	hbotek Anbotek Anbo	ek N Anbo
te. An	a) RISK analysis	Anbore And otek An	poter N P
boter	identify HAZARDS and estimate RISKS	Anboter And otek	nboteN
Anboten	b) RISK evaluation	Anboten Anbo	ant Nek
Anboten	plan to judge acceptability of resulting risk level based on the estimated severity and likelihood of a rish	ek Anbolen Anbo bolek Anbolek Anbolek	Anbotek Anbot
ek Anb	c) Rish reduction	abotek Anbots An	otek N An
potek p	Initial risk reduced by counter measures:	An Anbotek Anbote An	N
Anbotek	Repeated risk evalution without new risks introduced	Anbotek Anbotet	Anbolsk
Anborn	Risks remaining after risk assessment addressed in instruction to responsible body:	ek Anborek Anborek	Noten
at ab	Information contained how to mitigate these rishs	potek potek Anbor	N
potek A	Following principles in methods of risk reduction applied by manufactuer in giver order:	Anbotek Anbotek Ant	N Am
nbotek	1) RISKS eliminated or reduced as far as possible	Anbotek Anbo	N
Anbotek	2) Protective measures taken for risks that cannot be eliminated	ok Anbotek Anbotek	Anbotek
k Anbo	3) User information about residual risk due to any defect of the protective measure	botek Anbotek Anbote	Nunboli tek
otek ar	Indication of particular training is required	Anti- hotek Anbotek And	N
nbotek	Specification of the need for personal protective equipment	Anbotek Anbotek A	N Anboten
Anboten	Conformity checked by evaluation of the risk assessment documentation	k Anbolen Anbolek	Niek

ANNEX F	ROUTINE TESTS	Anbotek	Anbor	An	Anbolt	- Al	66
obro pr	Manufacturer's declaration	k abotek	Anboit	pin wotek	Ant	oter N	P

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

Page 38 of 51

Report No. 18250SC00074401

4.4.2	Table: Summary of single fault condtions			stek substek P
Subclause	Titel	Not apply	Carried out	Comments
4.4.2.1	Single fault conditions not covered by 4.4.2.1 to 4.4.2.12	Mer X	Anbotek	Anboten Anbo
4.4.2.2	Protective impedance	X	Anbore	Ann work
4.4.2.3	Protective conductor	botek	Xinbo	Ann-otek
4.4.2.4	Equipment or parts for short-term or intermittent operation	X	A AL	botek Anbotek
4.4.2.5	Motors	X pol	,01°	Ann hotek - Anbotek
4.4.2.6	Capacitors	×X	Anboro	Ann hotek Anbo
4.4.2.7	Mains transformers	botek	X	k sorek ar
4.4.2.8	Outputs	Anbotek	X	Short-circuit were applied to all outputs No hazard.
4.4.2.9	Equipment for more than one supply	anb	X	Anbo rek abotek
4.4.2.10	Cooling	×X	nbotek	Anbour Anton
4.4.2.11	Heating devices	х	Anbotek	Anbor An
4.4.2.12	Insulation between circuits and parts	X	wote	k Anbor An

5.1.3 c)	TABLE: M	TABLE: MAINS supply							
Anboten	Marked rati	Marked rating (V)							
Anbote	Number of phases								
Ant	Frequency	(Hz)	ek pupor	Al botek	Antroten	Anos			
tek I	Current (m/	۹)	ratek nabor	All hotel	K Anboten	Ant			
wotek	Power (W).	Anbu	and the second	ore Ant	otek - Anboth	Sec. 1			
nu wotek	Power (VA)	Anbo	and the second second	nbole: And	Lotek - Ant	potek			
Test No	Voltage (V)	Frequency (Hz)	Current (A)	Power in (W)	Power in (VA)	Comments			
	-V	Pur	NON	NUD0	of	por pr			

5.3	TABLE: Durability of markings	P
	Marking method (see note)	Agent
1) Adhes	sive label A W	Vater Month Market Market
2) Ink pri	inted B Is	sopropyl alcohol 70%
3) Laser	marked C (s	specify agent)
4) Filmco	Dated (plastic foil control panel)	specify agent)

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 755–26066440 Fax: (86) 755–26014772 Email: service@anbotek.com



Page 39 of 51

N/	100	astic (moulded in)	rint method, label m	10°	pecify agent) aint type, fixing meth	od, adhesive and
		marking is fixed.	k notek	Anbor	tek soboti	Anor
		Marki	ing location		Marking method (see above)
Aupo.	- Ide	entification (5.1.2)	ole Ann		Anbo	abotek Anbot
Anbr	- Ma	ains supply (5.1.3).	Anna Anna	at: 1001et	Anbounder	abotek An
rek A	- Fu	ses (5.1.4)	Anto Anto		tek Anborrek	Anobotek
botek			ns and operating dev		hbotek Anbo	k Anbotek
Anu	- Sw	vitches and circuit-	oreakers (5.1.6)	Anbote	And otek Anb	otek Anbo
Anb	J - Do	ouble/reinforced eq	uipment (5.1.7)		And	inbotek Anbor
Anbo	- Fie	eld-wiring TERMIN	AL boxes (5.1.8)	ak inboter	Anti	anbotek Ant
er Ar	- Wa	arning markings (5.	.2)		en Anboutek	abotek
Meth	od	Test agent	Remains legible Verdict	Label loose Verdict	Curled edges Verdict	Comments
Anbo'	br.	A, B	P	po ^t P	P P	tek Ribote

6	Т	TABLE: Protection against electric shock								otek N Ant	
potek	BI	ock diagram	of the sys	tem	Anb		- abotek	Anbo	in bi		
abotek	Po	ollution degre	ee	unbotet	An		3	iek Ar	bore.		
abotek	0	vervoltage ir	stallation	category	stek	Anboi	Ш	botek	Anborom		
Location or		Insulation type	Max. working	Cree	epage dist	ance (no	te 3)	Clearan ce (note	Test voltage	Comments	
descripti	on	(note 1)	voltage (note 2)	PWB	СТІ	Other	CTI	- 3) mm	(note 2)		
otek I	upor.	-K P.1.	hotek-	Anboten	Pup.	Net-	anbetek	Aupon		hotek.	
BI = BASIDI = DOUPI = PRORI = Reinf	C IN: BLE TECT orce	e of insulation SULATION INSULATIO FIVE IMPED d INSULATI Intary INSUL	N ANCE ON	NOTE 2 – ⁻ Peak impu		oltage (p	ulse) C C L s	ATEGORI	ES (OVER ES) or PO which diffe hown unde	VOLTAGE LLUTION r from these	

6.2	TABLE: Deter	mination of accessible	e parts	Р
	Item	Description	Determination method	Exception under 6.2.1
Anbotek	Anbotet Anbotek	Examination	The jointed test finger (see figure B.2) is applied in every possible position	Anbole P And

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

Page 40 of 51

Report No. 18250SC00074401

p.c.	atek anboter	Ann	otek Anbo	A. otek	Anbore And
6.5.2.4	TABLE: Impedane	ce of protective bondi	ing of plug-conne	cted equipment	Note ^K N P
ACCESSIB	LE part under test	Test current (A)	Voltage attained 1 min (V)	lafter	Result
Anboi	Au abotek Ar	poten Ant	Anbotek - Ar	bor Ar	ootek - Anboten
Note(s):	K spotek	Anboten Anbo	K pobotek	Anborn An	abotek Anbote

6.5.2.5	TABLE: Impedance equipment	ce of protective bondi	ng of permanently connect	ed point N
ACCESSIB	LE part under test	Voltage attained (s)	Time for voltage to drop below allowable levels(s)	Result
Annhotek	-Anboten An	otek - nobotek	Anbor All hotek	Anboten _ Anbo
Note(s):	Anboten	Anbo tek Anbotek	Anbore Anthotek	Anboten Anbo

6.7 TABLE: Insulation requirements			ents		poten N P		
8 Resistance to mec			nanical stre	sses	abotek Anbot	Ant	AnboteN
10.5.1 Integrity of CLEARA			ICES and C	REEPAGE DI	STANCES	poter And	K ant Nek
	Location			EEPAGE CE (mm)	Initial CLEARANCE (mm)	Maximum working voltage (V)	Comments
ek an	potek A	nbu.	h. botek	- Anbore	Ann	Anbotek.	unbu hak
Note(s):	Anbotek	Anbor	Pin bol	ok Ant	ore Anu	k photek	Anbour
Mechani force		Static	[Dynamic	Drop test, normal	Drop test, hand- held	Comments
w	Anboth	Ann	otek	Antotek	Anbo	botek - Anbote	Anne
Note(s):	anbo	le. Pi	Le K	abotek	Anbor	Lotek anb	oton And

6.8 TA	BLE: D	electric strength	tests for protection	against the sprea	ad of fire P
Location		Working voltage (V)	Test voltage (V)	Result	Comments
Input to access part	ible	K Anbotek	DC 500V	otek PAnbotek	Anborek P Anborek

6.10.2	TABLE: Cord	l anchora	ge tests	*01		р		N Mater
Lo	cation	Mass kg	Pull N	Verdict	Torque Nm	Verdict	Co	omments
Anbotek	- Anbu tek		pup	510. A	Lotek An	potek - Anbu	.ex	- abotek
Note(s): No	cord provided	m.	lek p	nbote	Ann	anbotek Anb	, at	hotel

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 755–26066440 Fax: (86) 755–26014772 Email: service@anbotek.com



8	TABLE	E: Resistance	e to mechanica	al stresses			P
Llocat	tion	Static	Dynamic	Drop test, normal	Drop test, hand-held	Result	Comments
Enclos	sure	nbotek -	Pass	botek p	poro An	Pass	botek Anbo
2). 3).	50mm d dropped	liameter steel	sphere with a r	mass of 500g i	l of 12 mm dian mpact from pos mm thick hardv	ition of 1m heig	ght ving a density of

9	TABLE: Protection against the spread of fire							
ltem	Source of hazard or area of the equipment considered (circuit, component, liquid etc.)	Protection method (9a, 9b, 9c)	method (9a, details					
Plastic parts	of ek Anbore Ant Lotek Anborer	9a	nbotek	Anbore A				
Note(s):	anotek Anbore And wotek Anborer	Anbo	abotek	Anboro				

9.3.1	TABLE: Containment of fire within the equipmer	nt	Noore
14.7 🔊	Printed wiring boards	hbotek Anbor Ar botek	N prob
k Aupo	Material tested:	hnbotek Anbor ek Al	
otek A	Generic name:	Anbotek Anboi Al	
nbotek	Material manufacturer:	Anbotek Anbots	
anbotek	Type designation:	ek anbotek Anboro	
nbotek	Colour:	stek nbotek Anbore	
- nbo	Conditioning details:	ou sek anbotek Anbot	
h ^{botek} Ar	Thickness (mm):	1 - 2 - 3 -	
Anbotek	Duration of flaming after first application (s):	1 – 2 – 3 -	
ek Ant	Duration of flaming plus glowing after second application (s):	1 2	
Anbotek Anbotek	Specimen burns to holding clamp (Yes/No):	1 – 2 – 3 -	
Anborr sk Ant	Cotton ignited (Yes/No):	1 - 2 - 3 -	

Note(s):

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com



Page 42 of 51

9.4	TABLE: Limited-energy circuit							
Anborek	Test details: 1 –Lo current (A); 4 – ma circuit separation;	aximum power	r(VA); 4 – overload	protection a		K Anboten		
1	2	3	4	5	6	7		
ter - Ant	- utel	an bor	Arr.	abeter	AND	wotek-		
Note(s):	Anboten Anu	ek anbote	Anbo, wak	Anotek	Anbote	Anu		

9.5	TABLE:	TABLE: Requirements for equipment containing or using flammable liquids							
Anbo		Test details: 1 –Type of liquid; 2 –flammable liquids (b. quantity); 3 – flammable liquids (containment); 4 – comments							
1		2		3		4			
-tek	Anbore	An- rok	aboten Anb		ik anbore	Am			

10	TABLE: 1	Temperature r	neasurements						Р
10.1	Surface to	emperature lim	nits – NORMAL CON	DITION and	d / or sig	INLE FAU		DITION	PAno
10.2	Temperat	ture of winding	S- NORMAL CONDIT	ION and /	or SIGNL	E FAULT	CONDITI	ON pol	oter N AP
10.3	Other tem	nperature mea	surements	abotek	Anbo	-No	Pro	iek I	nb ^{oten} P
Operating	conditions:	Normal worki	ng Ano tek	nbotek	pr	boi	Pro	hotek-	
Anboro	Frequenc	y (Hz)	And	b ¹	Cert.	Aupolo	r Þr	Lotek	
Anbore	Duration	(h, min)	otek Anber	i	potek	hour	50	min	
k Aup	Voltage (age (V)							
otek I	1000	nbient temperature Ta (°C): 28°C							
Anbotek	maximum	nents: 1 – part i temperature T esult; 6 – comr	/location; 2 – mea: īm + 40°C – Ta (°0 nents	sured tem C); 4 – ma	perature ximum a	Tm (°C) allowed to	; 3 – co empera	rrected ture	Anbotek
	1	2	3	4	4		5		6
PCB M	blen An	abotek- A	54.9	dek 10	00	Anb	P	PUD	nek- Anb
Terminal	nborek	Anbotek	53.7	botek 12	20 probate	est b	P	N P	nbotek p
Enclosure	Anbotek	Anboten	44.5	Anbotek 12	20	Lotek	PAnto	otek	Anboren
Note(s):	- botte	Aupo.	Y wotek	anboi	1	Vie vie		-boter-	Anbo

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

Page 43 of 51

10.2	TABLE: Ten	nperature of res	istance met	hod temper	ature measur	ements	botek N
4.4.2.7	MAINS Trans	formers	hpore I	~otek	Anboten	Anot	Nob
14.2.1	Motor tempe	eratures	Anboro	Ann Lotek	Anbotek	Anboursek	N
Operating of	conditions:	K abotek	Anbore	Ann	anboret	Aupo	e¥-
Anboth	Frequency (I	Hz)	photo	Ann	otek anb	Hek Anbo	
stek ant	Duration (h,	min)	e ^{je} opio	· P ···	hour	nbotek minan	00
wołek		n ^{bo}			-otek	Anbotek	Þ.r
ho tek		perature Ta₁ /Ta		100	Any hotek	°C(initial/final)	
Anbotek		nts: 1 – part/desig 7 – result; 8 – co		$R_{cold} \Omega; 3 - R$	$\Omega_{warm} \Omega; 4 - Tr$	(K); 5 – T _c (°C)	Anbu Anbotel
1	2	3	4	5	6	7	8
iek - Anb	on Prin	otek - anbot	er Anbe		botek - pi	por Pr.	- otek-
(Tc= Tr - { Note(s): 2 -	Ta2 – Ta1} + - Indicate insu - Record value	al resistance; Rw [40 °C or max ra lation class (IEC es for normal cor	ted ambient] 85) under c); Tmax = m omments (op	aximum perm ptional)	itted temperate	urenborek

10.5.2	TABLE: Resistance to	heat of non-metallic encl	osures	otek P		
otek p	Test method used:	Anboten Anbo	See below			
nbotek	Non operative treatmen	t	. [√] motek Anbou	Rek		
nbotek	Empty ENCLOSURE	k Anbolen Anbo	[V] subotek Anbolt	P		
abotek	Operative treatment	nak Anber	. [tel nbotek Anboit	Pur		
	Part	Test temperature (°C)	Duration (h, min)	Verdic		
rok	Enclosure	125	Anbor th hotek Anb	Р		
of p	Dielectric strength test ((6.8)	. 500 V r.m.s./peak/d.c	nbote P		
Note(s): No	hazardous live parts shall	l be accessible	Anborn Anbotek	Anboten		
10.5.3	TABLE: Insulating mater		P			
10.5.3a) Ball pressure test						
Ann	Max. allowed impression	n diameter	2 mm	Her		
	Part	Test temperature (°C)	Impression Diameter (mm)	Verdic		
iboten.	Terminal	125	I.0 March	onbo'PK		
Anboten	PCB	125	Antone 1.0 Anto mek	Bote		
Anboten	Enclosure	125	prek pho 1.4 And and	P		
Note(s): No	hazardous live parts shall	l be accessible	anbotek Anboter Anbo	tek p		
10.5.3	TABLE: Insulating mater	ials		notek N		
10.5.3b)	Vicat softening test (ISC	0 306)	Anbotek Anbote Al	N		
	Part	Vicat temperature (°C)	Thickness of sample (mm)	Verdic		

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com



Page 44 of 51

poter .	And	Anbotek	Anbor	hotek	Anboten	Anb. otek	habotek - P
Note(s):							

11	TABLE: P	TABLE: Protection against hazards from fluids							
ak an	Measurements: 1 – location; 2 – cleaning; 3 – spillage; 4 – overflow; 5 – equipment plus liquid; 6 – working voltage (V); 7 – test voltage (V); 8 – result; 9 – comments								
1	2	3	4	5	6	7	8	9	
, , , , , ,	betek	Aupo.	p"- oter	- onbote	Pur	- M	-botek	Anbo	

Note(s): No such fluid used.

11.7.2	TABLE: Leaka	ge and rupture at	high pressure	!		ek N Anb
Part	Maximum permissible working pressure (Mpa)	Test pressure (Mpa)	Leakage test Yes / No	Burst test Yes / No	Cor	nments
Ann	anbotek	Anbo	abotek pr	poto. Anu	otek - anb	otek -Anbo
Note(s):	tek unbotek	Anbo	An	Anboten Ar	in otek	nbotek Anbo
11.7.3	TABLE: Leaka	ge from low-pres	sure parts			o ^{tek} N A
oter pr	Measurements:	1 - ; 2 – (Pa); 3 –;	4 - Lotek	Anboter	Ann	abotek
						2.1
84 	Part	Test press	ure Leak	kage (Yes/No)	Co	nments
Anboten	Part	Test press	ure Leak	kage (Yes/No)	Со	mments

12.2.1	TABLE: Ioniz	ing radiation					N
Location Me		Measur	ed values µSv/h	Verdict		Comments	
In otek	anbotek	Anbor	h abotek	Anbote A	nu	Anbotek	- Anbor
Note(s):	Anbotek	Aupor	Lek abotek	Anboten	Annotek	anbotel	Aupo
12.5.1	TABLE: Sou	nd level m	neasurements				Nabo
Location		Measured	Calculated maximum sound pressure level				
hotek	Anboten Ar	10 stok	Anbotek	Hupor Ar.	wofek.	Anbote	Ann
Note(s):	Anboten	Anno stek	Anbotek	Anborn An	botek	Anboten	And
12.5.2	TABLE: Ultra	asonic pre	essure measurer	nents			Ň
Location		Measured va	lues	Comments		ts	
			dB kHz				
K Pu.	Lotek An	poten	-Aupo	abotek Anbo	Pu,	notek	Anboten
Note(s):	tun stek	nbotek	Anbo	botek An	poter	Annatek	nbotek

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 755–26066440 Fax: (86) 755–26014772 Email: service@anbotek.com



Page 45 of 51

13.2.2	TABLE: Batteries te	sts			NK
Anbotek	Battery load and char	ging circuit diagram::	K- D	mbotek Anbo	
Anbotek	Battery type	outet And	Note H	Anbotek Anbo	
Anbo	Battery manufacturer	popole An	untek.	Anbotek Anbo.	
rek N	Battery model	put public territer	unu-	Anbotek Anbo	
otek	Battery catalogue No.		Ano	tek nobotek Al	
notek	Battery ratings	A" poter :	Aup	stek subotek	
Anb	Reverse polarity insta	Iment test	P	nbo stek nbotek	P. N.
Single	e component failures		Ver	rdict	
	Component	Open circuit, result		Short circuit, re	sult
ler An	be het sobotek	Hinbore Ann hotek	Anbotek	Anbu tek -	potek p
Note(s):	Anbo. ak botek	Anboren Anto stek	Anbo	tek Anbour An	botek

TABL	E: Components			Publick
rt No.	Manufac- turer/trademark	Type/model	Technical data	Mark(s) of conformity
.tek	nbotek Al	bor Ar hotek	Anboten Anu Atek	potek Ar
nbor	s abotek	Anborn ok And hotel	Anboten Anboutek	abotek
Aupo	tek abotek	Anbora An	rek Anbotek Anbo	abotek
	TABL		rt No Manufac- Type/model	rt No. Manufac- Type/model Technical data

Note(s): 1) an asterisk indicates a mark which assures the agreed level of surveillance

Reliability test:

Component		Type(see note)		Verdict		Comments	
And wotek	- anbotek	Anbo, vok	A. abotek	Anbore	- Anv wotek	Anbotek	- Anbo,
Note(s):	abotek	Anbo	A. Lotek	Anboten	Ann	obotek	Anbo

NSR = non-self-resetting (10 times)

NR = non-resetting (1 time)

SR = self-resetting (200 times)

14.6	TABLE: Mains transformers tested outside equipment				
Anbo	Туре:				
Anuso	Manufacturer				
tek p	Temperature protection class of the lowest RATED winding (class or maximum RATED temperature) :	c			
botek	Winding identification				

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 755–26066440 Fax: (86) 755–26014772 Email: service@anbotek.com Hotline 400-003-0500 www.anbotek.com

Ν



Page 46 of 51

Report No. 18250SC00074401

	Type of protector for winding:		lek b
		Short circuit	Over load
Anbore	Elapsed time:	1s	Lotek 1s Anbotek
Anbore	Current, primary (A):	otek protein	And otek Anbote
Anbor	Current, secondary (A):	abotek -Anboten	And antest
tek Ant	Winding temperature, primary (°C):	abotek Anbote	Ant
botek	Winding temperature, secondary (°C):	Anbotek Anbot	Ant
botek	Tissue paper/cheesecloth test:	k borsk An	poten And otek
An hotek	Voltage test:	A hotek	Anboten Anbo
Note(s): No	any transformer used.	k hotek	Anboten Anbo

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 755–26066440 Fax: (86) 755–26014772 Email: service@anbotek.com



Page 47 of 51

Report No. 18250SC00074401

PHOTO DOCUMENTATION





Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 755–26066440 Fax: (86) 755–26014772 Email: service@anbotek.com

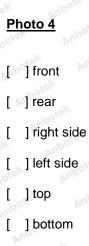


Page 48 of 51

Report No. 18250SC00074401

PHOTO DOCUMENTATION





[] partial



Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 755–26066440 Fax: (86) 755–26014772 Email: service@anbotek.com



Page 49 of 51

Report No. 18250SC00074401

PHOTO DOCUMENTATION





Shenzhen Anbotek Compliance Laboratory Limited

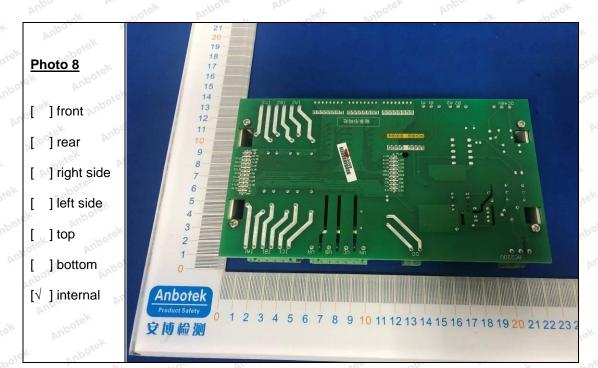
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 755–26066440 Fax: (86) 755–26014772 Email: service@anbotek.com

Page 50 of 51

Report No. 18250SC00074401

PHOTO DOCUMENTATION





Shenzhen Anbotek Compliance Laboratory Limited

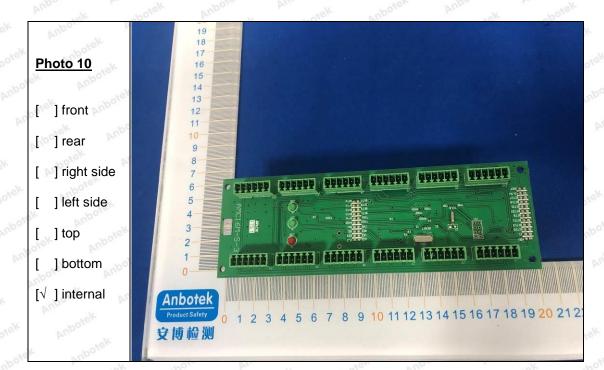
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 755–26066440 Fax: (86) 755–26014772 Email: service@anbotek.com

Page 51 of 51

Report No. 18250SC00074401

PHOTO DOCUMENTATION





***** End of Report ***

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 755–26066440 Fax: (86) 755–26014772 Email: service@anbotek.com