



## **TEST REPORT**

Reference No:	WTX23D10218936Z001
Applicant	GlobTek, Inc.
Address	186 Veterans Dr. Northvale, NJ 07647 USA
Manufacturer:	GlobTek, Inc.
Address:	186 Veterans Dr. Northvale, NJ 07647 USA
Product Name:	Blades-R
Model No:	R-NA-2
Total pages:	42 Pages
Standards	<ul> <li>☑ IEC 60320-1: 2021</li> <li>Appliance couplers for household and similar general purposes - Part 1: General requirements</li> </ul>
Date of Receipt sample :	2023-10-18
Date of Test:	2023-10-18 to 2023-11-15
Date of Issue:	2023-11-30

#### Remarks:

Test Result.....

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

**Pass** 

# Prepared By: Waltek Testing Group Co., Ltd.

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Compiled by:	Approved by:
Dave Ferg	Sam di
Dave Feng / Project Engineer	Sam Qi / Designated Reviewer



Reference No.: WTX23D10218936Z001 Page 2 of 42

Test item description:	Blades-R
Trade Mark(s)::	GlobTek, Inc.
Model/Type reference:	R-NA-2
Ratings:	250V~, 50-60Hz,2.5A

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

The product with models R-NA-2 is Power supply with detachable US plug and connector The maximum ambient temperature specified by manufacturer is 40°C.

#### Summary of testing:

From the result of our examination and tests in the submitted samples, conclude they comply with the requirements of the standard IEC 60320-1:2021

Copy of marking plate:

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

Reference No.: WTX23D10218936Z001 Page 3 of 42

Test item particulars	WILL MITT MITT MINE MINE AND AND THE PERSON
Classification of installation and use: Supply Connection:	AC Mains
Construction:	<ul><li>□ Standard sheet according to IEC 60320-3</li><li>☑ Non-standardized construction</li></ul>
Rated voltage:	⊠ AC 250 V Others:
Rated current:	2.5 A
Maximum pin temperature:	<ul> <li> ☐ 70 °C Cold conditions </li> <li>☐ 120 °C Hot conditions </li> <li>☐ 155 °C Very hot conditions </li> </ul>
Ambient temperature:	<ul> <li>         ☐ max. +40 °C, but max. 35 °C over a period of 24 h     </li> <li>         ☐ Use in ambient temperatures above +35 °C up to and including +90 °C according to Annex E     </li> </ul>
Type of equipment to be connected	<ul><li>☑ Class I equipment</li><li>☐ Class II equipment</li></ul>
Appliance inlets and appliance outlets	THE WITE WALL MALL WALL WAY AND
Method of mounting:	<ul> <li>☐ Flange mounting</li> <li>☐ Snap-in mounting</li> <li>☐ Inlay mounting</li> <li>☑ Others:</li> </ul>
Type of terminal::	<ul><li>□ Screw</li><li>□ Screwless</li><li>□ Pillar</li><li>☑ Others:</li></ul>
Type of terminations:	<ul> <li>Solder termination</li> <li>□ PCB-termination with additional solder terminal for earthing contact</li> <li>□ PCB-termination</li> <li>□ Flat-quick tab-termination 2,8 x 0,8 mm</li> <li>□ Flat-quick tab-termination 4,8 x 0,8 mm</li> <li>□ Flat-quick tab-termination 6,3 x 0,8 mm</li> <li>□ Others:</li> </ul>
Connectors and plug connectors	LITE WALTE WALL WALL WAS THE WALL WALL THE WALL WALL WALL WALL WALL WALL WALL WAL
Method of connecting the cord:	<ul> <li>Non-rewirable</li> <li>         □ Crimped □ Others:</li> <li>rewirable</li> <li>□ Screw terminals □ Others:</li> </ul>
Construction of cable entry:	<ul><li>Straight</li><li>☐ Angled</li></ul>



Reference No.: WTX23D10218936Z001 Page 4 of 42

Possible test case verdicts:	WILL MILL MALL MALL MILL MILL MILL
- test case does not apply to the test object:	: N/A
- test object does meet the requirement	P (Pass)
- test object does not meet the requirement	F (Fail)
Testing:	White Man And And And And And And And And And An
Date of receipt of test item	2023-10-18
Date (s) of performance of tests	2023-10-18 to 2023-11-15
General remarks:	write with war were an an a
"(See Enclosure #)" refers to additional information a large "(See appended table)" refers to a table appended to the suppose the suppose that the suppose the suppose the suppose that the suppose the suppose that the suppose the suppose the suppose the suppose the suppose that the suppose the suppo	he report.
Manufacturer's Declaration per sub-clause 4.2.5 of	IECEE 02:
The application for obtaining a CB Test Certificate includes more than one factory location and a declaration from the Manufacturer stating that the sample(s) submitted for evaluation is (are) representative of the products from each factory has been provided.	☐ Yes ☑ Not applicable
When differences exist; they shall be identified in t	the General product information section.
Name and address of factory (ies)	: 1.GlobTek, Inc.
	186 Veterans Dr. Northvale, NJ 07647 USA
	2. GlobTek (Suzhou) Co., Ltd
	Building 4, No. 76, Jin Ling East Rd., Suzhou Industrial Park, Suzhou, JiangSu 215021, China
General product information and other remarks:	a st set the state state of
Products covered by this test report are Connector The product Rating(s):250V~,50-60Hz, 2.5A	



Reference No.: WTX23D10218936Z001 Page 5 of 42

Nic minist	My My My M	IEC 60320-1	LIER WIFE WHITE WA	right August
Clause	Requirement + Test	Mur. M. M.	Result - Remark	Verdict

8	MARKING	Р
8.1	General Company of the last with the last wi	Р
TEX .	Appliance couplers are marked with:	TE P
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- name, trademark or identification mark of the manufacturer or responsible vendor	Р
m	- type reference R-NA-2	Р
3.2	Additional markings	Р
"Cit	Standardized connectors/plug connectors in accordance with IEC 60320-3 and all non-standardized appliance couplers are additionally marked with:	P
100	- rated current (A) (except 0,2 A connectors) 2.5A	Р
d.	- rated voltage (V)	P
100	- symbol for nature of supply ~	P
k NALTE	- marking to identify the type of conductors suitable for screwless terminal	N/A
3.3	Appliance couplers for class II equipment	P
MEL	Appliance couplers for class II:  Not marked with the symbol for class II construction	n P
3.4	Symbol or alphanumeric notations	Р
L	Correct symbols are used	, P
MUL	Marking for the nature of supply placed next to the marking for rated current and rated voltage	Р
8.5	Legibility of marking	Р
TEX	Connectors/plug connectors: Marking according to 8.1, is still easily discernible	P
3.6	Terminal markings and wiring instructions	N/A
TEX UN	Terminals, in rewirable non-reversible connectors/plug connectors, are indicated as follow:	N/A
y Mili	- earthing terminal: [earth symbol, earth symbol in circle or PE]:	N/A
	- neutral terminal: N:	N/A
WALL	Conductor, in non-rewirable polarized connectors/plug connectors are connected as specified in 22.1	N/A
ek war	Appliance inlets/appliance outlets, other than those integrated or incorporated in an appliance or equipment, have terminal markings to correspond with this subclause	N/A
· NITE	Rewirable connectors/plug connectors are supplied with the following instruction:	N/A
20,	- method of connection of the conductors:	N/A
A EFF	- method of the operation of the cord anchorage:	N/A



Reference No.: WTX23D10218936Z001 Page 6 of 42

Clause	Requirement + Test	Result - Remark	Verdic
2/62	Leady of the site	10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
TEX.	- length of sleeving and insulation to be stripped back	in in the	N/A
n n	- sizes and types of cable or cords suitable:	WILL MUEL MULL A	N/A
8.7	Durability	at at let i	CENT CENT
20	Marking is easily legible and durable	i we me	Р
White	Marking are not placed on screw or other removable parts	- MITER WALTER WALTE	WILL BY
8.8	Test and inspection	at the left	P.
20/2 1	Test: 15 s with water, 15 s with petroleum spirit	WILL MULL MULL	z <sub>II</sub> . b
Clerk C	Marking made by moulding, pressing or engraving	at at at	THE TOP
9	DIMENSIONS AND COMPATIBILITY		Р
9.1	General	at at all s	P.
t TEX	Appliance couplers are designed that unintended or improper connection is prevented	MUT AND AND	P
9.2	Single-pole connection	WHILE MULL MAN	7/L 2/L
WALLEY O	Single-pole connections between connectors/ appliance outlets and appliance inlets/plug connectors are not possible	NUTER WALTER WALTER	NITER MALE
9.3	Compatibility	ALTER OF	The Part Part
	It shall not be possible to engage (using a force of 60	N for 60 s):	Р
MULL	- connectors for class II equipment in appliance inlets/plug connectors for class I equipment	MILIE MILLE WALLE	P
MALTE.	- plug connectors for devices of protection class I in connectors/appliance outlets for devices of protection class II	WALTER WALTER WALTER	WALTE WAR
ineria di	- connectors for cold conditions in appliance inlets/plug connectors for hot or very hot conditions	LIET WALTER WALTER W	Р
iter whit	- plug connectors for cold conditions in appliance outlets for hot or very hot conditions	EX MUTER MUTER MIT	Pi
WALTER	- connectors for hot conditions in appliance inlets/plug connectors for very hot conditions	MALIER MILIER WHITE	White Mr.
MALTEK	- plug connectors for hot conditions in appliance outlets for very hot conditions	LIET WITH WITH	INLIEK UNLE
SLIEK NA	- connectors in appliance inlets/plug connectors having a higher rated current than the connector	TEX SEX SEX	TEK NITEP
iek ite	- plug connectors in appliance outlets having a lower rated current than the plug connector	+ 12 74 75 T	Р
- 15th	Test: Engagement of a connector or plug connector with a force of 60 N for min. 60 s	mer mer me	THE P
ano	During the test: no contact of the pins	UNLIER WALTE WALTE	Mr. MA
9.4	Dimensions for standardized appliance couplers	3	N/A



Reference No.: WTX23D10218936Z001 Page 7 of 42

	IEC 60320-1		ur au
Clause	Requirement + Test	Result - Remark	Verdict
NINETEK VII	Standardized appliance couplers shall comply with the relevant standard sheets according to IEC 60320-3	White whit will white	N/A
9.5	Dimensions for non-standardized appliance coup	lers	P
EK TER	Non-standardized appliance couplers are acceptable if do not adversely affect the purpose and safety of standardized appliance couplers	THE WALTE WALTE WALE	un Pun
WALTER V	There are no small deviations from the dimensions as specified in the standard sheets which give the impression of a standardized coupler which could lead to it being mistaken for a standardized appliance coupler	united united united unit	P
ik in	No changes which adversely affect the contact- making ability	The Marie Marie Marie	Р
	It is not possible to engage a part of a non- standardized appliance coupler with a complementary part of a standardized appliance coupler complying with the standard sheets in any part of IEC 60320	MUTER MUTER WITER ON	IN PIN
MULTER W	It is not possible to engage a part of a non- standardized appliance coupler with a complementary part of a standardized appliance coupler for direct current	NITER WHITE WHITE WHITE	WALTER AND
HEL WALTE	It is not possible within a given system to make connections other than in the intended position or to make partial connections causing deformation which can impair the further use of the appliance for:		NI EX P
t Ket	- a connector and associated appliance inlet	at at at a	P
All .	- an appliance outlet with the associated plug connector	MULTE MILL WAY VIN	P
10	PROTECTION AGAINST ELECTRIC SHOCK		Р
10.1	Accessibility of live parts		P
'F 'NU.	Live parts of appliance couplers are not accessible when in partial or complete engagement	the white white	M PM
MULL	Live parts of connectors/appliance outlets are not accessible	Whitek whiteh white wh	P
	Connectors with enclosures or bodies of elastomeric or thermoplastic material: test made with the standard test probe B of IEC 61032 applied for min. 30 s with a force of 20 N	INTEX MILITA WALTER WALE	Р
10.2	Protection against single pole connection	in the the the	Р
Y WILEY	Connection between a pin of an appliance inlet/plug connector and a contact of a connector/appliance outlet is not possible as long as any of the pins is accessible	HUNTER WATER WATER AND	ni Par IP-muitex
10.3	Protection against access to live parts	2115 211 25 2	P



Reference No.: WTX23D10218936Z001 Page 8 of 42

Clause	Dominimonal Land	Decult Demont	\/o.rdiol
Clause	Requirement + Test	Result - Remark	Verdic
TEL.	It is not possible to remove parts preventing access to live parts without the aid of a tool	AND THE THE THE	P
un w	Bushes are adequately fixed, and it is not possible to remove them without dismantling the connector/appliance outlet	ter tex other miter of	P
10.4	External parts	Mr. Mr. A.	Р
MULL	Insulating material for external parts of connectors, appliance outlets and plug connectors	white white white	P
10.5	Shrouds	the text of the states	N/A
UNITER VIL	Insulating material for shroud and base of appliance inlets without earthing contact and those of 2,5 A appliance inlets/appliance outlets with earthing contact	THE MUTTER WITTER	N/A
11	PROVISION FOR EARTHING		Р
WINLIEK	Appliance couplers with protective earthing contact: constructed that the protective earthing contact is first make and last break relative to any other contact	While while while while	P
12	TERMINAL AND TERMINATIONS		Р
12.1	General	91 July 20 1	Р
NITE WAL	Requirements in the appropriate IEC standard apply for the terminal and terminations	THE WALLEY WALLEY	Р
WALTE	Clamping means of terminals do not serve to fix any other components	WALLEY WALLEY WAL	P
12.2	Rewirable appliance couplers	at at the test tres	N/A
On TELL	They are provided with screw-type clamping units or screwless clamping units according to IEC 60999-1	men men in the	N/A
12.3	Non-rewirable appliance couplers	WILL MULL MULL AND A	Р
TEX MUT	They are provided with soldered, welded, crimped or equally effective screwless connections:		TEK P
EK WILEK	The possibility to disconnect the conductor is not allowed	let list wiset will	P NALT
13	CONSTRUCTION		Р
13.1	Risk of accidental contact	THE LIFE WITH WITH	Р
NITEK WA	There is no risk of accidental contact between earthing contact of appliance inlet/plug connector and current-carrying contacts of the connector/appliance outlet	TEX MULTER MULTER MULTER	P W
13.2	Contact positions	EX OLITER WILLE WILL MAN	Р
t mitest	In non-reversible connectors/plug connectors the con looking at the engagement face as shown in the standard control of the co		N/A
7	Position shall be set out as in Table 1:	The Mr. In M.	N/A
250	Connectors:	LET THE THE JEE	N/A

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Reference No.: WTX23D10218936Z001 Page 9 of 42

01	IEC 60320-1		
Clause	Requirement + Test	Result - Remark	Verdic
20	- earthing contact: in a symmetrical arrangement	Mr. Mr. M. M.	N/A
ur <sup>lier</sup> .ur	- line contact: lower right-hand position	TEX LIEK SLIEK MATE	N/A
·	- neutral contact: lower left-hand position	he me me	N/A
LTE MALT	Plug connectors:	TEX LIEK NITER WITE	N/A
4 4	- earthing contact: in a symmetrical arrangement	An In The	N/A
" UNIT	- line contact: lower left-hand position	E STEE OLIER WHILE SU	N/A
- CK	- neutral contact: lower right-hand position	211 211	N/A
Mr. 1	In non-reversible appliance couplers not complying w IEC 60320-3:	vith the standard sheets of	Р
المال المالي	- Verification of the correct polarization	TEX LIER NITER INLIER	Р
13.3	Parts covering live parts	by the the	Р
TE MALT	Adequately locked against loosening	CA STEP STEP SOUTH	m Bu
L 3+	Test: Inspection and tests of Clause 18, 20 and 23	20, 20,	L P
13.4	Pin construction	* LITER INLIER WILLER WA	Р
13.4.1	Prevention of rotation	The sure of	- P-
MUT M	Pins and contacts adequately locked against rotation	White Milies White White	M. P
13.4.2	Pin retention	ALTE MITE	Pu
4 0	Pins of appliance inlets/plug connectors:	_1 / m	Р
WALL	- are securely retained	E LIE WITH WITH W	n' P
· it	- have adequate mechanical strength	The state of	P
Why.	- it is not possible to remove them without the aid of a tool	WALTER WALTER WALTE WAL	Р
Wille M	- are surrounded by a shroud	THE LIER NITER WITE	P P
	- are not protrude beyond the rim of the shroud	1 11 11 11	Р
ile, with	Test for security of pin retention	TEX LIFE OLIFE MITE.	an Bu
et ciet	- heating of the sample 60 +5/0 min, test temperature (°C)	70°C;60min	<u> </u>
W.	- each pin subjected to a force of 60 N ± 0,6 N for 60 s + 3/0 s	60N;60s	Р
war w	- force applied in direction away from the base	WILL MILLE MALLE WALL	III. B
, t	- force applied in direction towards the base		Р
Vr. Mu	During the test on any pin there is no movement exceeding 2,5 mm	0.3mm	y P
المارية	5 min. after removal of test force, pins remain within:	et tet tet ater.	P
- JEX	- for standardized appliance couplers, the tolerances of the standard sheet	THE THE THE	N/A
24.	- for non-standardized appliance couplers, as specified by the manufacturer	MIT, MIT, MIT, MI	Р



Reference No.: WTX23D10218936Z001 Page 10 of 42

01	IEC 60320-1	No selici
Clause	Requirement + Test Result - Remark	Verdict
13.4.3	Non-solid pins	Р
White W	Test for non-solid pins	P
iek "ii	A force of 100 N applied for 60 s + 3/0 s by means of a steel rod having a diameter of 4,8 mm	P
	After the test: - no significant alteration in the shape of the pin	Р
13.4.4	Pins for appliance couplers for higher ambient temperatures up to +90 °C	N/A
WALTER	Pins for plug connectors or appliance inlets made of solid material	N/A
13.5	Contact pressure	Р
TEK MITE	Contacts of connectors/appliance outlets are self- adjusting so as to provide adequate contact pressure	Р
* WALTER	Self-adjustment of the contacts in connectors/ appliance outlets other than 0,2 A, does not depend upon the resiliency of insulating material	P
13.6	Enclosure	P.
13.6.1	General	W. P
NITEK WAL	Parts of the body of connectors/plug connectors are reliably fixed to one another	LITE P
13.6.2	Rewirable connectors and rewirable plug connectors	N/A
AUC	It is not possible to dismantle the connector/plug connector without the aid of a tool	N/A
WALTE.	Terminals and the ends of cord - completely enclosed by the enclosure	N/A
LITER OF	Construction is such that conductors can be properly connected and is unlikely that:	N/A
264 - 21 M 20.	- cores are not pressed against each other causing damage	N/A
* 2h	- cores of live conductor not pressed against accessible metal parts	N/A
Whi	- core of earthing conductor not pressed against live parts	N/A
WILLE W	It is not possible to assemble the rewirable connector in such a way that terminals are enclosed and contacts accessible	N/A
EK MU	Separate independent means for fixing and locating parts of the body with respect to each other are present in rewirable connectors/plugs connectors	N/A
10,	Thread-cutting screws are not used	N/A
WILLER	Resiliency of the contacts does not depend upon the assembly of the parts of the body	N/A



Reference No.: WTX23D10218936Z001 Page 11 of 42

Clause	Reguirement + Test Result - Remark	Verdic
Clause	Requirement + Test Result - Remark	verdic
MULIEK M	Partial loosening of assembly screws does not allow the detachment of parts providing protection against electric shock	N/A
13.6.3	Non-rewirable connectors and non-rewirable plug connectors	Р
in mer	Accessories are such that:	P
ek waitek	- flexible cable cannot be separated from the accessory without making it permanently useless	P P
ALTEK.	- accessory cannot be opened by hand or by using a general purpose tool	PER
13.7	Earth connection	Р
nlier wh	Earthing contact/earthing pin of connector/plug connector is fixed to the body	P.
	Various parts of earthing contact/earthing pin and earthing terminal which are not in one piece are fixed together by riveting, welding or similar reliable manner	Р
TEX.	Metal part of appliance coupler, designed that corrosion do not impair safety	P
NICE W	Connection between earthing contact/earthing pin and earthing terminal is of metal resistant to corrosion	P
13.8	Location of terminals and terminations	Р
13.8.1	General	P
WALTER.	Terminals of rewirable accessories and terminations of non-rewirable accessories are so located or shielded that loose wires will not present a risk of electric shock	N/A
irex mir	Non-rewirable moulded-on accessories are provided with means to prevent loose wires of a conductor from reducing the minimum isolation distance requirements	P
13.8.2	Free wire test for rewirable accessories	N/A
Merr	Test with 6 mm free wire of in every possible direction	N/A
WILLIEK W	Free wire of a conductor connected to a live terminal does not touch any accessible metal part or is not able to emerge from the enclosure	N/A
NLTER WIN	Free wire of a conductor connected to an earthing terminal does not touch a live part	N/A
13.8.3	Free wire test for non-rewirable non-moulded-on accessories	N/A
Mes	Test with a free wire of length equivalent to the maximum designed stripping length declared by the manufacturer plus 2 mm	N/A



Reference No.: WTX23D10218936Z001 Page 12 of 42

97	IEC 60320-1	The Mr M. 2	
Clause	Requirement + Test	Result - Remark	Verdict
MUNITER MY	Free wire of a conductor connected to a live termination does not touch any accessible metal part or does not reduce creepage distance and clearance below 1,5 mm to the external surface	White milited writes white	N/A
LIE WAL	Free wire of a conductor connected to an earth termination does not touch any live part	TEX WILLER WALTER	N/A
13.8.4	Free wire verification for non-rewirable moulded-	on accessories	N/A
WUTER A	Verification of means to prevent stray wires reducing the minimum distance through insulation to external accessible surface below 1,5 mm	THE MILE WILLIAM ON	N/A
13.9	Connectors/plug connectors without earthing cor	ntact	N/A
iver antie	Connectors/plug connectors without earthing contact and 2,5 A connectors/plug connectors with earthing contact are part of a cord set or an interconnection cord set	the writer writer writer	N/A
13.10	Fuses, relays, thermostats, thermal cut-outs and	switches	N/A
WAL	Fuses, relays, thermostats and thermal cut-outs are not incorporated in connectors and plug connectors complying with the standard sheets of IEC 60320-3	white white white wh	N/A
nifek whi	Fuses, relays, thermostats and thermal cut-outs incorporated in appliance inlets and appliance outlet comply with the relevant IEC standards	neit with white with	N/A
. L	Switches comply with IEC 61058-1 (all parts)	_1	N/A
MULL	Energy regulators comply with IEC 60730-2-11	CLIE WITH WHITE W	N/A
14	MOISTURE RESISTANCE		Р
Mr. 1	Test samples kept in a humidity cabinet containing air with relative humidity maintained between 91 % and 95 % for:		₩P
write our	- 168 h (seven days) for appliance coupler with earthing contacts	LIER WHITER WHITER WHITE	P
أثاران فللماثان	- 48 h (two days) in all other cases	EH TEH LIEK LITER	N/A
	After this treatment the test sample show no damage	and any any	P
15	INSULATING RESISTANCE AND ELECTRIC STRE	NGTH	Р
15.1	General	at alt alt of	P
The The	Adequate insulation resistance and dielectric strength for appliance coupler	mer me m	P
15.2	Insulation resistance	THE MUTTER MUTTER MUTTER	A P
TEX WHITE	The insulation resistance measured 60 s ± 5 s after application of 500 + 50 V d.c.	see appended Table 15.2	NI EK PI
15.3	Dielectric strength	a de de	e Pe
ans.	Electric strength: a.c. test voltage applied for 60 s ± 5 s	see appended Table 15.3	P



Reference No.: WTX23D10218936Z001 Page 13 of 42

Clause	Requirement + Test	Result - Remark	Verdic
Clause	Requirement + Test	Nesult - Nelliaik	veruic
16	FORCES NECESSARY TO INSERT AND TO WITH CONNECTOR/APPLIANCE OUTLET	DRAW THE	Р
16.1	General	write mury mury mury	Р
itek mit	The construction of appliance couplers shall allow the of the connector/appliance outlet and prevent from we inlet/plug connector in normal use		Р
16.2	Verification of the maximum withdrawal force	F ITER SLIFE WITE SOUTH	Р
	For standardized appliance couplers: gauge is used	74 24 24 24 24	_
MULL A	For non-standardized types: the counterpart as specified by the manufacturer is used	WHITE WHITE WHITE WHITE	_
NITES WA	The connector/appliance outlet shall disengage within 3 s from the appliance inlet/plug connector	see appended Table 16	nti P
16.3	Verification of the minimum withdrawal force	at left test steet as	P
22	For standardized types: test pin gauge is used	Mrs. Mrs. Mr. An.	_
WALTER	For non-standardized types: test pin with minimum dimensions as specified by the manufacturer is used	Whitek Whitek Whitek White	_
UNLIEK W	The test pin did not fall from the contact assembly within 3 s	see appended Table 16	MALPI
17	OPERATION OF CONTACTS		Р
	Contacts and pins of appliance couplers make connection with a sliding action	The function with an	Р
White	Contacts of connectors/appliance outlets provide adequate contact pressure and do not deteriorate in normal use	White white white whi	P
untiex on	Effectiveness of pressure between contacts and pins and earthing contacts and earthing pins does not depend upon the resiliency of the insulating material	MUNITER MULTER MULTER	INLITER .
TEX WALT	Test: Inspection and tests of Clause 16, 19, 20 and 21	Et NIET WILLER WILLER WI	TELP
18	RESISTANCE TO HEATING OF APPLIANCE COUR CONDITIONS OR VERY HOT CONDITIONS	PLERS FOR HOT	N/A
18.1	General	20 20 2 X	N/A
WILL W	Appliance couplers as classified according to 7.1 shall withstand the heating to which they may be subjected	INLIER WHITE WHITE WHITE	N/A
iek mile	Connectors/plug connectors so constructed that the insulation of the conductors is not subjected to excessive heating	the military with which wi	N/A
MALTER	The spring contacts of appliance outlets and connectors shall not be negatively affected by thermal relaxation due to excessive heating	WILLER WILLER WHILE	N/A
18.2	Heating test for connectors/plug connectors	20, 20	N/A



Reference No.: WTX23D10218936Z001 Page 14 of 42

	IEC 60320-1		
Clause	Requirement + Test	Result - Remark	Verdict
MVFLEK AN	Connector/plug connector is inserted in a suitable appliance inlet/appliance outlet of an appropriate test apparatus for 96 h at a temperature of (°C)	White whit will will w	MITER MITER
. ot 1	After this test:	N. A. A.	N/A
T 1/4	- Plug connectors inserted and withdrawn from the appliance outlet 10 times	life white white his	N/A
MALITA	- Connectors subjected to the test of Clause 16	E LIER NITER MILE	N/A
	After this test the test sample show:	211 211 21	N/A
WILL A	- no damage	SLIFE WITE MITE	N/A
INLIEK WA	- no loosening of electrical or mechanical connections	THE THE STILL O	N/A
·	- no cracks	4 24 24 24 24	N/A
18.3	Heating test for appliance inlets/appliance outlets		N/A
K NITEK	Appliance inlets/appliance outlets kept in a heating cabinet for 96 h at a temperature of (°C):	A LEK LIEK LIEK	NUTE -
STEP	- Appliance outlets subjected to the test of Clause 16	THE THE THE	N/A
2115 21	After this test the test sample show:	WALLE WALL WALL A	N/A
itek si	- no damage	at a let	N/A
EL JE	- no loosening of electrical or mechanical connections	a line in	N/A
" In	- no cracks	e mit with while	N/A

19	BREAKING CAPACITY		Р
MITEH.	Appliance couplers shall have adequate breaking capacity	THE STEEL MITTER SPLITTER	P-
	Compliance checked by testing	see appended Table 19	Р
ire w	During the test: no flashover and any sustained arcing	ILER MULTER MULTER MULTER WIL	Pur
الله المال	After the test, the test sample show no damage	e- Tex Tex Tex Str	Р
20	NORMAL OPERATION		Р
WALTER IN	Appliance couplers withstand without excessive wear or other harmful effect, the mechanical, electrical and thermal stresses occurring in normal use	JUNITER WHITER WHITE	nn P
	Compliance checked by testing	see appended Table 20	P
16	After the test, the specimens withstand an electric strength test as specified in 15.3 with the test voltage reduced to 50 % of the value of Table 4	see appended Table 15.3 (Dielectric strength - Repetition after Clause 19 + 20)	RAL
10/2	Test sample does not show any:	White white white white	₹ <sub>0</sub> P
All Later	- wear impairing its further use	at the set of	Р



Reference No.: WTX23D10218936Z001 Page 15 of 42

	IEC 60320-1	11/2 11/2 21 2	
Clause	Requirement + Test	Result - Remark	Verdic
2,,	- deterioration of enclosures or barriers	mer me me	Р
WITE OF	- damage to the entry holes for the pins	THE THE STEE OUT	n P
	- loosening of electrical or mechanical connections	V. 24. 24. 2	Р
LIE MALI	- seepage of sealing compound	TEX LIEK NITER MITE	N/A
4 24	The electrical safety is not impaired	711 711 27	Р
21	TEMPERATURE RISE		Р
MALTER	Contacts and other current-carrying parts shall be so designed as to prevent excessive temperature rise due to the passage of current	WHITEK WHITEK WHITEK WHI	PAR
ULLEK MU	Compliance checked for connectors/appliance outlets and plug connectors by testing	see appended Table 21	JALTP J
TEX WILL	After the test, the test samples withstand the test of clause 16	et stet stret milet	IN THE P
22	CORDS AND THEIR CONNECTION		Р
22.1	Cords for non-rewirable connector/plug connector	ors it with the we	, NP
	Non-rewirable connectors/plug connectors are provided with cord complying with Table 9 or equivalent	NUTER WHITER WHITE	y P.
LIEK WIL	Type of cord complying with standard indicated in Table 9)	see appended Table 22.1	W ITEP W
ek "Nalte	Cords have a nominal cross-sectional area not less than that specified in Table 9 (mm²)	see appended Table 22.1	ALIEK P
CLIEK	Non-rewirable connectors/plug connectors with earthing contact are provided with a three-core cord	see appended Table 22.1	P
TEK	Connections to the contacts in non-rewirable, non-reversible connectors/plug connectors:	with the the	P
n a	- green/yellow core: to the earthing contact	The More Mure Mure	Р
TEN SI	- brown core: to the line contact	at at let telt	P
7,1	- light blue core: to the neutral contact	in much much much	Р
22.2	Cord anchorage	- LEK TEK TEK	C PC
22.2.1	General	mr. mr. m. m.	Р
MV CLEEN A	Connectors/plug connectors are provided with a cord anchorage	INTEX MILES WILLES MILE	P
VILLER MU	Cord anchorages of the "labyrinth" type: - withstand the relevant tests	TEX MITER WAITER WAITER	N/A
22.2.2	Additional requirements for rewirable connectors and rewirable plug connectors		N/A
25	Additional requirements are:	Mr. M. 2.	N/A
WILL.	- it is clear how to relief from strain and prevention of twisting is intended to be effected	MITER MILIER MALTER WAY	N/A



Reference No.: WTX23D10218936Z001 Page 16 of 42

Clause	Requirement + Test	Result - Remark	Verdic
Clause	requirement i rest	Tresuit - Tremain	Verdic
TEX.	- it is integral with or fixed to the connector/plug connector	WAY THE THE	N/A
m m	- makeshift methods is not used	Will Mury Mury Mur	N/A
	- cord anchorage is suitable for the different types of cord and its effectiveness does not depend upon the assembly	TEX WHITEK WHITEK	N/A
MULT	- cord anchorage is of insulating material or provided with insulating lining	white white white wh	N/A
MULTER	- it is not possible for the cord to touch the clamping screws, if accessible	MILER WHITER WHITE WHITE	N/A
All I	- its metal parts are insulated from earthing circuit	at the fifth	N/A
22.2.3	Pull test for cable anchorage	WITE WALL WALL WALL	N/A
TEX WALL	Non rewirable connectors/plug connectors: - tested with the cord as delivered	see appended Table 22.2.3	N/A
* WALTER	Rewirable connectors/plug connectors: - tested first with one and then with the other type of cord, as specified in Table 10	see appended Table 22.2.3	N/A
CLIER I	During the tests: cord not damaged	THE THE LIER NITE	N/A
20	After the test:	aver any any	N/A
THE WAL	- cord not displaced by more than 2 mm	ALTER MITER	N/A
EK WALTE	- rewirable connectors/plug connectors: ends of conductors have not moved noticeably in the terminals	THE MILITER WILLIER WI	N/A
MITEK	- non-rewirable connectors/plug connectors there was no break in the electrical connections	STEEL STEEL MITEL SINCE	N/A
22.3	Flexing test	an an are	N/A
nuria da	Guards are of insulating material and are fixed in reliable manner	LIER WHITE WHITE WHITE	N/A
TEX WAL	During the test: no interruption of the current and no short-circuit between conductors	see appended Table 22.3	N/A
H JIEN	After the test:	t get get get i	N/A
n,	- test sample show no damage	men men men men	N/A
NUTER .	- guard, if any, not separated from the body	let let let litt	N/A
70° 7	- insulation of the cord show no sign of abrasion or wear	The Man was the	N/A
iek wile	- non-rewirable connectors/plug connectors: broken strands have not pierced the insulation as to become accessible	et tex itex artex	N/A
23	MECHANICAL STRENGTH		Р
23.1	General	· THE STEE OUTER MAI	Р
LE*	Appliance couplers have adequate mechanical strength	THE THE THE	P



Reference No.: WTX23D10218936Z001 Page 17 of 42

Clause	Requirement + Test	Result - Remark	Verdict
		Tresuit Tremain	1000
23.2	Free fall test	1/1, 1/1, 1/2,	Р
الى سىلى	Free fall test procedure 2 of IEC 60068-2-31 for c	onnectors and plug connectors	III. P
	Number of falls	: 100	Р
The MULL	After the test:	THE LIFE WHEN WITH A	P. Par
* c*	- test sample show no damage	Mr. M. M.	Р
WALL	- no part become detached or loosened	LIE SLIER WILLER WHILE WAS	Р
23.3	Lateral pull test for contacts		P
When 4	Lateral pull test for connectors with rating exceeding 0,2 A and appliance outlets		W.P
et.	- rated current (A)	: 2.5A	_
100, 10	- pull (N)	: 6N	s
LET LE	After the test:		Ø P
" alise.	- connector/plug connector show no damage	CLIER WILLE WILL MILL MI	Р
y whitek	- test sample comply with test of 16.3	only for connectors see appended Table 23.3	Р
23.4	Impact test		Р
WILL W	Impact test by means of vertical hammer or spring hammer according to IEC 60068-2-75 (12 blows at 0,5 J ± 0,05 J) are subjected to - all accessible surfaces covering live parts of appliance outlets		NI P
	- shrouds of appliance inlets for surface mounting - shrouds of plug connectors		CEX NAL
	After the test, the test sample show no damage	see appended Table 23.4	Р
23.5	Deformation test	et the lift offer outer	N/A
NATIEK W	2,5 A connectors class II equipment, standard sheet C7: Deformation test with blades according to Figure 9 of IEC 60320-3 at 70 °C ± 2 °C for 2 h		N/A
26th 55	- blade A (10 N)		_
211	- blade B (5 N)	"": regulating many many m	_
WALTER	Difference between thickness values measured a the point of impression before and after the test is not more than 0,2 mm		N/A
23.6	Pull test for connectors/plug connectors with	a separate front part	N/A
23.6.1	General	241 24 25 3 X	N/A
VEL MU	External parts of connectors/plug connectors with separate front part are reliably fixed to one another		N/A
23.6.2	Straight pull test	TEX TEX STEX WITE W	N/A
	Compliance checked by the following test:	by the my me	N/A
MULLEY	A pull force according to Table 13 is applied in direction of the axes of the pins/contacts for 60 s+5 /0 s		N/A



Reference No.: WTX23D10218936Z001 Page 18 of 42

20,	IEC 60320-1	wer, were my an	100
Clause	Requirement + Test	Result - Remark	Verdict
7/2	- straight pull (N):	Multi Mil Mil Mil	N/A
23.6.3	Lateral pull test	TEX TEX LIER NITE	N/A
in a	Compliance checked by the following test:	ing my my m	N/A
er rer	A lateral pull force according to Table 13, in parallel wapplied to the cable of the connectors/plug connector 90° +/- 5°		N/A
71/2	- rated current (A):	WILL WILL MULT MU	N/A
The	- lateral pull (N)		N/A
20/2 1	After the test:	WHILE MILL MULL AND	N/A
TEN N	- the two parts are not detached	IN SHE SET SET	N/A
	- parts providing protection against electric shock not loosened	the me and the	N/A
M	- live parts not become accessible	THE WILL WALL WE	N/A
24	RESISTANCE TO HEAT AND AGEING		Р
24.1	Resistance to heat	White were were we	√S <sup>1</sup> P
C. C.	Ball pressure test according to IEC 60695-10-2	at let tet tet	Р
in i	After the test: diameter of impression ≤ 2 mm	see appended Table 24.1	ZIII P
24.2	Resistance to ageing		ITE P
24.2.1	General	2 24 24 2	Р
EK WALTE	Appliance couplers of elastomeric material or thermoplastic material shall be sufficient resistant to ageing	White white white an	Р
24.2.2	Ageing test for elastomeric materials	CLIEB WIFE WALL WALL	N/A
JUNITEK JUN	Appliance couplers of elastomeric material are kept for 240 h (10 days) in a heating cabinet at 70 °C $\pm$ 2 °C	strek unitek waitek waitek	N/A
24.2.3	Ageing test for thermoplastic materials	at let let liter	P
EK WITEK	Appliance couplers of thermoplastic material are kept for 168 h (7 days) in a heating cabinet at 80 °C ± 2 °C	TEX STIER WILEY AND	P
24.2.4	Ageing test assessment	Jil Jil Jil Jil	P
WELL W	After the tests, samples show:	THE MITE MALIE WALTE	ul P
et .	- no crack visible	The state of the s	P
Ver The	- no sticky or greasy material	LIET MILIER MILIE MILIE	Р
CEL TE	- no trace of cloth (forefinger pressed with 5 N)	e st st set	P
211	- no damage	" WITH MUTT MEN ME	Р
25	SCREWS, CURRENT-CARRYING PARTS AND CO	NNECTIONS	Р
25.1	General	Mury Mur Mur M.	Р
All the	Connections withstand mechanical stresses	at at let tet	P



Reference No.: WTX23D10218936Z001 Page 19 of 42

900	IEC 60320-1	24/2 24/2 24 24	
Clause	Requirement + Test	Result - Remark	Verdict
TEX.	Screws and nuts for connection of conductor: in engagement with a metal thread	and and and and	N/A
10. 1 10. 1	Screws for mounting parts of appliance coupler are not of the thread-cutting type	WILL MUST MUST MUST	N/A
er ville	Screws or nut for fixing the base of appliance inlet/appliance outlet on an appliance: any type is possible	TEX WHITE ANTITY WHITE	N/A
An LEK	Screws of insulating material: not used if they could impair insulation	mer are are an	N/A
Mr.	Threaded parts tightened and loosened:	White Whit Whi Whi	N/A
NLTEK W	- one of threaded parts non-metallic material: 10 times	LIER BLIEF MITER WHITER	N/A
it i	- both parts of metallic material: 5 times		N/A
MUL	Threaded part torque test	see appended Table 25	N/A
t TEX	During the test:	and the state of	N/A
Me	- not work loose	WILL MILL MULL MA	N/A
JE*	- no damage	A ST ST ST	N/A
25.2	Electrical connections	WALLE WALL WALL WALL	Р
THE WAY	Contact pressure is not transmitted via the insulating material other than ceramic, or pure mica unless there is sufficient resiliency in the metallic parts	Whitek whitek	WILL P
25.3	Securement connections	E. LIE ALTE MITE M	P
CLIEK	Screws and rivets are locked against loosening or turning	The left that will	N/A
JU TEF	Connections between terminals and other parts do not work loose in normal use	Must must any an	P
25.4	Metallic parts	Notice Mary Mary Mary	Р
	Current-carrying parts and earthing contacts: metal having adequate mechanical strength and resistance to corrosion	CER WHITEK WHITEK WHITEK	TEP N
MULL	Parts subjected to mechanical wear are not made of steel with electroplated coating	White white white wh	Р
MUTE.	Under moist conditions, metals having a great difference of electro-chemical potential are not used in contact with each other	WALLER MALLER WALLER WALLE	NA P
in an	Material used:	NITER WALLS WALL WALL	y Pul
Et 1	- copper	and the set	N/A
. W.	- alloy with at least 58 % copper for cold worked parts or at least 50 % copper for other parts	The man was an	Р
MULL	- stainless steel with at least 13 % chromium and not more than 0,09 % carbon	WHITE WHITE WHITE WHI	N/A
720.7			



Reference No.: WTX23D10218936Z001 Page 20 of 42

IEC 60320-1			
Clause	Requirement + Test	Result - Remark	Verdict
MUTEK M	- steel with electroplated coating of zinc (ISO 2081); coating thickness at least 5 μm (ISO Service Condition No. 1); thickness [μm]	White was writed white	N/A
LIEK WILL	- steel with electroplated coating of nickel and chromium (ISO 1456); coating thickness at least 20 µm (ISO Service Condition No. 2); thickness [µm]	THE WALTER WALTER	N/A
ek Waliek	- steel with electroplated coating of tin (ISO 2093); coating thickness at least 12 µm (ISO Service Condition No. 2); thickness [µm]	WALTER WALTER WALTER WAS	N/A
MITTE	Checked by inspection or by chemical analysis	TEX STEX WITH WITH	N/P
26	CLEARANCES, CREEPAGE DISTANCES AND SO	LID INSULATION	Р
26.2	Clearances	LIER SLIER WILL WHILE	JO P S
26.2.1	Dimensioning	1. m m	J.←P
T WILL	Clearances: dimensioned to withstand the minimum rated impulse voltage of 2500 V	see appended Table 26	Р
26.2.2	Minimum values for clearances	THE STEEL STEEL STEEL STORY	Р
WALLEY W	Clearances for basic, supplementary and functional insulation: not less than the value specified in Table 16	see appended Table 26	PA
ek je	Clearance for reinforced insulation: not less the value specified for basic insulation, using the next higher step for rated impulse withstand voltage in Table 16	see appended Table 26	VIII P
26.3	Creepage distances	e with any and an	Р
26.3.1	Dimensioning		P
Whitek wh	Creepage distances: dimensioned for the voltage, taking into account pollution degree 2 and the material group	see appended Table 26	P
26.3.2	Minimum creepage distances	The same of	Р
ek rek	Creepage distances for basic, supplementary and functional insulation: not less than the value specified in Table 17	see appended Table 26	r St. St.
Whitek s	Creepage distances for reinforced insulation: not less than double than the values specified for basic insulation in Table 17	see appended Table 26	P
26.4	Solid insulation	me me m	Р
Vrie Mu	Solid insulation: capable of durably withstanding electrical and mechanical stresses	LIER WHITER WHITE.	NIT P.N
IEK WALTE	Distance through accessible supplementary solid insulation: ≥ 0,8 mm	see appended Table 26	Pol
t The	Distance through accessible reinforced solid insulation:		P
21/2	- ≥ 0,8 mm for rated impulse voltage 1500 V	While Mrs. Mrs. Mrs.	N/A
LEX.	- ≥ 1,5 mm for rated impulse voltage 2500 V	4 4 1 10	Р



Reference No.: WTX23D10218936Z001 Page 21 of 42

	IEC 60320-1		
Clause	Requirement + Test	Result - Remark	Verdict
27	RESISTANCE OF INSULATING MATERIAL TO HE	AT, FIRE AND TRACKING	Р
27.1	Resistance to heat and fire	THE THE LIFE WITE	P
27.1.1	General 11th 11th 11th 11th 11th 11th 11th 11t	Les Alles Alles Alles	Р
EX LEY	Parts made of insulating material of accessories with a rated current exceeding 0,2 A subjected to glowwire test according to IEC 60695-2-11	see appended Table 27.1	P
27.2	Resistance to tracking	MULLE MULL MULL M	N/A
WALTER	Insulating parts supporting, or in contact with, live parts of appliance couplers for hot and very hot conditions, are of material resistant to tracking with a minimum PTI of 175 V (according to Annex A)	see appended Table 27.2	N/A
28	RESISTANCE TO RUSTING		Р
itek wait Katek	No sign of rust on ferrous parts after 10 min in 10 % solution of ammonium chloride, 10 min in box with air saturated with moisture and 10 min at 100 °C ± 2 °C	et whitet whitet whitet w	N SEE PAR
29	ELECTROMAGNETIC COMPATIBILITY (EMC) REC	QUIREMENTS	N/A
29.1	Immunity - Accessories not incorporating electronic components		N/A
VILLEX AND	These accessories are not sensitive to normal electromagnetic disturbances and therefore no immunity tests are required	THE WALLET WHITE	N/A
29.2	Emission - Accessories not incorporating electronic components		N/A
t with	These accessories do not generate electromagnetic disturbances; consequently, no emission tests are necessary	until until until ul	N/A



Reference No.: WTX23D10218936Z001 Page 22 of 42

Vie Min	Aug Aug Aug aug	IEC 60320-1	Aury Aury
Clause	Requirement + Test	Result - Remark	Verdict

	ANNEX E		N/A
	Additional test and requirements for appliance cou ambient temperatures above +35 °C up to and incl		N/A
E.1 3000	General	TER MITE WALL WALL OF	N/A
EK MUTEK	Appliance couplers according to this Annex E are suitable for ambient temperatures above +35 °C up to and including +90 °C	united whitek whitek	N/A
E.2	General requirements on tests	Let Litt Little William	N/A
E.2.1	General	mr. m. m. m.	N/A
NLTER NA	Corresponding counterparts have.	TEX TEX STEX STEET	N/A
	- identical ratings (as per Clause 6)	is the sur in	N/A
ie. write	- identical classification (as per Clause 7)	et jet liet mile in	N/A
E.3	Markings	The sur and	N/A
MULITER	Appliance couplers, except standardized appliance inlet, in compliance with this Annex E shall be marked with tavalue as defined in Clause E.4 if the value of ta is +40 °C or higher [°C]	Marking: t <sub>a</sub> °C	N/A
E.4	Determination of t <sub>a</sub> and the rated and derated current in relation to the ambient temperature	tet surfer surfer of	N/A
E.4.1	Determination of the maximum ambient temperature (t <sub>a</sub> ) for operation of the accessory at the rated current	Measured t <sub>a</sub>	N/A
E.4.2	Determination of the derated operating currents for ambient temperatures	see appended Table E.4.2	N/A
E.5	Test to evaluate the long-term behaviour of the ap temperatures above 35 °C up to and including +90		N/A
E.5.1	Resistance to heat	ir, mr. m. m.	N/A
ITE WALT	Appliance couplers shall be sufficient resistant to heat	EX WHITEX WHITEX WA	N/A
THE THEF	Ball pressure test according to IEC 60695-10-2 at 125	°C , t	N/A
	After the test: diameter of impression ≤ 2 mm	see appended Table E.5.1	N/A
E.5.2	Resistance to ageing	LEK TEK TEK NITER	N/A
E.5.2.1	General	up my m	N/A
NITER WIN	Appliance couplers shall be sufficient resistant to ageing	LIER WALTER WALTER WALTER	N/A
E.5.2.2	Ageing test for connectors/appliance outlets	t at alt out s	N/A
t Cliffy	Connectors/appliance outlets are kept for 336 h (14 days) in a heating cabinet at 100 °C ± 2 °C	THE THE THE WIFE	N/A
	The connectors/appliance outlets are in engagement with a corresponding appliance inlet/plug connector	muer mer mer mi	
E.5.2.3	Ageing test for appliance inlets/plug connectors	THE THE LITTLE STATE	N/A



Reference No.: WTX23D10218936Z001 Page 23 of 42

Clause	Requirement + Test	Result - Remark	Verdict
- Photos	Appliance inlets/plug connectors are kept for 336 h (14 days) in a heating cabinet at 100 °C ± 2 °C	MULL MULL MULL MULL	N/A
E.5.2.4	Ageing test assessment	CITE WITE WITE WITE	N/A
LITEK WAL	After the tests of E.5.2.2 and E.5.2.3 the specimens are taken out of the cabinet and kept at room temperature in a relative humidity between 45 % and 55 % for at least 96 h	THE WATER WHITER WHITER W	N/A
10,	After the tests, samples show:	mer mer my m	N/A
CLITER.	- no crack visible	Tet Tet Tet Nich	N/A
20.	- no sticky or greasy material	mer me me m	N/A
RLTE. NA	- no trace of cloth (forefinger pressed with 5 N)	TEX STER SITER OUTER	N/A
	- no damage	in the the	N/A
The Whitek	Then an appliance inlet/plug connector with the same rated current as the connector/appliance outlet is fully inserted and withdrawn 3 times, any lid is opened and closed each time	THE STEET WITE WALLE ON	N/A
at-	After the tests, samples show:	Mr. Mr. At 24	N/A
West a	- no damage	SLIEF WILL MILE MILE	N/A
E.5.3	Resistance to tracking		
ek wate	Insulating parts supporting, or in contact with, live parts of appliance couplers for use in ambient temperatures above +35 °C up to and including+90 °C, are of material resistant to tracking, with a minimum PTI of 175 V (according to Annex A)	see appended Table E.5.3	N/A
E.6	Cords and their connection	THE LIFE OUTER AND	N/A
	For standardized appliance couplers:	Mr. Mr. Mr.	N/A
area an	Type of cord:	THE STEE MITE WALL	N/A
ITEH MILI	- according to the requirements of Table 9 and Table 10	et tet stet stet stet	N/A
ek altek	- but shall be of rubber or an equivalent elastomeric type	Me the the	N/A
Zu Zu	- rated for a maximum conductor insulation temperature of +90 °C	Must Aug My Aug	N/A
11/25 1	For non-standardized appliance couplers:	WILL MILL MILL MILL	N/A
TEN .	Type of cord:	at at at all	N/A
ek e	- shall be of PVC, rubber or an equivalent elastomeric type	The water water	N/A
Mer	- rated for a maximum conductor insulation temperature of +90 °C	White Write White W	N/A



Reference No.: WTX23D10218936Z001 Page 24 of 42

Vie Min	Aug Aug Aug aug	IEC 60320-1	Aury Aury
Clause	Requirement + Test	Result - Remark	Verdict

15.2	TABLE: Insulation resistance	4 3		of OP
Insul	ation resistance tested	Type of insulation	Required [MΩ]	Measured [MΩ]
a)	for appliance inlets with a connector in engagement, between the current-carrying contacts connected together and the body	R	≥7	710 - 710 716 - 717
b)	for appliance inlets with a connector in engagement, between each pin in turn and the others connected together	unti F unt	≥ 2	74 764 12 74
c) (S	for appliance outlets with a plug connector in engagement, between the current-carrying contacts connected together and the body	R	we≥7 we	NAL LIEK
d)	for appliance outlets without a plug connector in engagement, between the current carrying contacts connected together and the body	R	10° ≥ 7,10° (Et	WEEK W
e)	for appliance outlets with a plug connector in engagement, between each pin in turn and the others connected together	mF m	≥ 2	78*
f) 🧬	for connectors, between the current-carrying contacts connected together and the body	mit R <sub>int</sub> i	27 √	>100 MΩ
g)	for connectors, between each contact in turn and the others connected together	TEK FITEK	≥ 2	>100 MΩ
h)	for plug connectors, between the current-carrying contacts connected together and the body	R	TIE ≥ 7	WATER W
i)	for plug connectors, between each contact in turn and the others connected together.	F	≥2	MITEX-
Addit	ional test for rewirable connectors and plug connectors:	mr. m	70,	
j) Uni	for rewirable connectors, between any metal part of the cord anchorage, including clamping screws, and the earthing contact or earthing terminal	NITE B NATE	≥ 2	TER WITTE
k)	for rewirable connectors, between any metal part of the cord anchorage, excluding clamping screws, and a metal rod, of the maximum diameter of the cord as specified in Table 2, inserted in its place	B.TE.	unti≥2 noties	MUTER MU
I)	for rewirable plug connectors, between any metal part of the cord anchorage, including clamping screws, and the earthing contact or earthing terminal	B B	≥ 2	NITER WALTE
m)	for rewirable plug connectors, between any metal part of the cord anchorage, excluding clamping screws, and a metal rod, of the maximum diameter of the cord as specified in Table 2, inserted in its place	TIEL BUTTER	≥ 2	TEX WAITER

Type of insulation: **F** (Functional); **B** (Basic); **S** (Supplementary); **R** (Reinforced)



Reference No.: WTX23D10218936Z001 Page 25 of 42

Viet men	All the All the	IEC 60320-1	MITER WALLER WALTER WA	- ani
Clause	Requirement + Test	Mur, M. M.	Result - Remark	Verdict

15.3	TABLE: Dielectric strength	* #		EF P
Insul	ation or disconnection tested	Type of insulation	Test voltage [V]	Flashover / breakdown (Yes/No)
a)	for appliance inlets with a connector in engagement, between the current-carrying contacts connected together and the body	WR W	3000	WALTER WANTE
b)	for appliance inlets with a connector in engagement, between each pin in turn and the others connected together	F TEL	1500	SIEK IEK
c)	for appliance outlets with a plug connector in engagement, between the current-carrying contacts connected together and the body	R R	3000	WALTEK W
d)	for appliance outlets without a plug connector in engagement, between the current carrying contacts connected together and the body	R	3000	WALTER WALT
e)	for appliance outlets with a plug connector in engagement, between each pin in turn and the others connected together	THE STE	1500	NITER - NITER
f)	for connectors, between the current-carrying contacts connected together and the body	R	3000	No
g)	for connectors, between each contact in turn and the others connected together	F	1500	No
h)	for plug connectors, between the current-carrying contacts connected together and the body	R	3000	mr - m
i)	for plug connectors, between each contact in turn and the others connected together.	MLIF WILL	1500	ourie nuri
Addit	ional test for rewirable connectors and plug connectors:	at at	Alt.	TEX TEX
j) <sup>50</sup>	for rewirable connectors, between any metal part of the cord anchorage, including clamping screws, and the earthing contact or earthing terminal	BACK BACK	1500	et mitet m
k)	for rewirable connectors, between any metal part of the cord anchorage, excluding clamping screws, and a metal rod, of the maximum diameter of the cord as specified in Table 2, inserted in its place	VB VI	1500	unifek uni
l)	for rewirable plug connectors, between any metal part of the cord anchorage, including clamping screws, and the earthing contact or earthing terminal	MULTE B WALL	1500	OF TEX
m)	for rewirable plug connectors, between any metal part of the cord anchorage, excluding clamping screws, and a metal rod, of the maximum diameter of the cord as specified in Table 2, inserted in its place	THE BUTTER	1500	MULLER ON

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Reference No.: WTX23D10218936Z001 Page 26 of 42

Nic minist	My My My M	IEC 60320-1	LIER WIFE WHITE WA	right August
Clause	Requirement + Test	Mur. M. M.	Result - Remark	Verdict

16	TABLE: Force necessary to withdraw	w the connec	ctor / appliance outlet	P
111 211	Type of connector / appliance outlet	[A]:	Non-rewirable connectors/plug	—
LIEK WALTE	Standard sheet	:	Dimensions for non- standardized	_
16.2	Verification of the maximum withdraw	cation of the maximum withdrawal force		P
Sample N°	Maximum withdrawal force (multi-pin gauge) [N]		nector / appliance outlet did not n in the appliance inlet / plug connector (Y/N)	JULI EN
	50 (1)	Lie MALL	an A an an	Р
NLTE - UNLT	un 50 m	**	ALL Y'S STOR STOR	P
+	50 110 110	Were a	A A	Р
16.3	Verification of the minimum withdray	val force	EL LIER SLIER WILL AND	P
Sample N°	Minimum withdrawal force (single-pin gauge) [N]		e pin gauge did not fall from the ct assembly within 3 s (Y/N)	- INLIE
	1.5	ALT WALL	The August Augus	Р
WITE WI	1.5	A	THE YES STEEL OUTER	P
· - ·	1.5	7000	The All And	Р

19	TABLE: Breaking capacity					P
. 3	Rated current [A]		:	2.5A		_
- INTER	Rated voltage [V]	•••••	:	250V	TEX STEE MITE	_
Sample N°	Test voltage [V]	Test current [A]		wer factor [cos Φ]	Number of strokes	
in 2.	Test con	ditions for connectors a	nd appli	ance outlets >	0,2 A	4
LIER - NIFE	275	3.125	· /+	0.6	100	I P
	275	3.125	Marie al	0.6	100	Р
A	275	3.125		0.6	100	Р



Reference No.: WTX23D10218936Z001 Page 27 of 42

View MUITE	Min Mr. Aug My	IEC 60320-1	ier witer walter walt	MILL MILL
Clause	Requirement + Test	Mr. M. M.	Result - Remark	Verdict

20	TABLE: Normal or	peration			at let let	P
m, m	Rated current [A]		2.5A		Mer. Mer.	
LIEK MITE	Rated voltage [V]	•••••	:	250V	TEK STEK	
Sample N°	[V] [A]					
Mr.	In The	Test conditions for	0,2 A con	nectors	WE MUE MUE	20
The s	WIER WILL MILL	Muri Alur An	722		4000	
14 14.		ALT THE MITT	MILTE	The The	4000	100
راري <u>د المالي</u>	is miting	ner ner n		of 10	4000	NUTE T
1. 1.	Test con	ditions for connectors a	and applia	ance outlets >	0,2 A	
JEK -NIE	250	2.5	*	0.6	2000	Р
, <u> </u>		H CIENTER SCIENCE	Les M	er were	6000	Р
1/21/E	250	2.5	j+ 1	0.6	2000	Р
Ţ.	A 7 1	LITER WITER WAY	MUL	-94, 24	6000	Р
Write Wh	250	2.5	t Alt	0.6	2000	N P
		At All all	71/2	ar an	6000	Р



Reference No.: WTX23D10218936Z001 Page 28 of 42

Nic minist	My My My M	IEC 60320-1	LIER WIFE WHITE WA	right August
Clause	Requirement + Test	Mur. M. M.	Result - Remark	Verdict

Insul	ation or disconnection tested	Type of insulation	Test voltage [V]	Flashover breakdown (Yes/No)
c)	for appliance outlets with a plug connector in engagement, between the current-carrying contacts connected together and the body	unit R unit	1500	nie mi
d) (**)	for appliance outlets without a plug connector in engagement, between the current carrying contacts connected together and the body	R	1500	3 - TEH
e)	for appliance outlets with a plug connector in engagement, between each pin in turn and the others connected together	"(F	750	2112 211
f)	for connectors, between the current-carrying contacts connected together and the body	R	1500	No
g)	for connectors, between each contact in turn and the others connected together	NITE TO	750	No
Additi	onal test for rewirable connectors and plug connectors:	it it	JEK J	IEK NITEK
j)	for rewirable connectors, between any metal part of the cord anchorage, including clamping screws, and the earthing contact or earthing terminal	В	750	t white wh
k)	for rewirable connectors, between any metal part of the cord anchorage, excluding clamping screws, and a metal rod, of the maximum diameter of the cord as specified in Table 2, inserted in its place	B mir uni	750	MITEX-WITE



Reference No.: WTX23D10218936Z001 Page 29 of 42

Victor Muri	Mur Aug Aug on	IEC 60320-1	LIES WALTER WALTER WALTE	Mury Mury
Clause	Requirement + Test	MUT, MI M.	Result - Remark	Verdict

21	TABLE: Temperatur	e rise		of the text	Р	
" " " " " " " " " " " " " " " " " " "	Non-rewirable connectas delivered	ctors/plug connecto	rs are fitted with cords	Non-rewirable	_	
Rewirable connectors/plug connectors are fitted with cords according to Table 9 and a cross sectional according to Table 8						
in the	alifer mile and	_				
NUTER OF	Torque applied on cla Table 13) [N m]			TEX TEX STE	_	
Sample N°	Test circuit (L-N)	Test current [A]	allowed dT [K]	measured dT [K]	P	
an	L-N	1.25*2.5	45	10.7	Р	
CEN - LIER	L-N	1.25*2.5	45	6.9	Р	
1,,	1 -4 1	TEX - CIEX	With Mile Mile	Mr. Mr. Mr.		
CONTENT OF	LITE WALL WILL	111, 111,	at the title	TEK TIEK OUTS	10-27	
Sample N°	Test circuit (L-PE)	Test current [A]	allowed dT [K]	measured dT [K]	Р	
n n	L-PE	1.25*2.5	45	10.5	n	
JEH JTG	L-PE	1.25*2.5	45	6.8	5EF-	
70)	- /	A TE - SLIE	LITE - O	mr -m n	-	
EK -UEK	<u></u>			1 - 11th 11	÷	
Supplement	ary information:	TEX SUTE	MITE WILL WILL	an an	2,,	
16 Miles	TABLE: Force nece		the connector/applian	ice outlet -	P	
LIFE SLI	Type of connector /	appliance outlet /	rated current:	2.5A		
12 - 211 -	Standard sheet:			mr - m		
16.2	Verification of the m	aximum withdraw	al force	TER STEEL OF	Р	
Sample N°	Maximum wit (multi-pin		The connector / ap not remain in the ap connect	pliance inlet / plug		
A COLOR	(th _ (th _ (th' 5	0 m. n. n	Y	at at at	Р	
245 - 24	5	0 /L /	te alter alter alter ancie		Р	
16th- 15th	5	0	Y	t ret ret	P	
16.3	Verification of the m	inimum withdrawa	al force	Mur Mur A	Р	
Sample N°	Minimum witl (single-pin		The single pin gaug			
- 76t	JEK SIET MITT	5,000 000	Y	at at at	Р	
241 11	_ 1	5	Y The Market Y	KLI WILL WILL	√nP	
	A 15 15	5	Y		P	



Reference No.: WTX23D10218936Z001 Page 30 of 42

AV AV	<u> </u>	7/1		165 J	CV SV
in the		IEC 60320-1			
Clause	Requirement + Test	mur, m. m.	Result - Remark	* (E	Verdict

Supplementary information:

22.1	TABLE: List of c	ords connecte	ed to non-rewirable co	nnectors/plug	connectors	N/A
	Type of cord	Nominal cross- sectional area [mm²]	Manufacturer / Marking on cord	Approval No.	Type of approval (HAR or others)	Date of issue
	TEK STEK- NITER MI	" " " " " " " " " " " " " " " " " " "	77. 24 - 24	* - x	. o+ . 4	Et -JEK
1	14, 14, 24,		16 18 18 18 18 18 18 18 18 18 18 18 18 18	J	16 - 16	2/12

22.2.3	TABLE: Pull test for ca	ble anchoraç	nchorage				
e une	Torque applied on clamp anchorage (2/3 of Table (only for rewirable constr	13) [N m]	cord	ter while while while an		_	
Sample N°	Type of cord	Nominal cross- sectional area [mm²]	Pull (100 times) [N]	Torque (1 min) [N m]	Displace- ment of cord [mm]	MILIER S	
in The	V Y A Y J A	ل - ایر∖	Eth Later	The suntil	11/2 1	-10	
CEL -CEL		( - ra)	- C		, <del>(24</del> )	5EX - 15E	
Supplement	ary information:	JEK JUE	CLIEF SINLY	MULL WALL	alex ale	1,,	
Connectors + Plug connector		Cords:	≤ 0,5 mm² 2x 0,75 mm all others	→ 0,1 Nm (oth → 0,15 Nm → 0,25 Nm	er than flat tins	el cords)	



Reference No.: WTX23D10218936Z001 Page 31 of 42

THE WATER	Merch Merch Aren All	IEC 60320-1	IEF WILE MULIEF MA	ier wi	in in
Clause	Requirement + Test	Three Mr. M.	Result - Remark	+ (6)	Verdict

22.3	TABLE: Flexing test						
ur urit	Before the test: Ageing for rewirable connectors/plug connectors according to 24.2.2 (70 °C ±2 °C / 240 h) or 24.2.3 (80 °C ± 2 °C / 168 h)					_	
Sample N°	Type of cord	Nominal cross- sectional area [mm²]	Test current [A]	F	orce [N]	Number of flexings	EK WILL
4, - 4,	1 N - N 6	t <del>alle</del>	nite - mit	MUL	- mr	14 - 24	
200	Constitution of the same	2/1,		20		1th - 1th	J. J. C.

23.3	TABLE: Lateral pull test		Р		
- Cliff	After the test: comply with 16.3	a se st set set s	_		
16.3	/erification of the minimum withdrawal force				
Sample N°	Minimum withdrawal force (single-pin gauge) [N]	The single pin gauge did not fall from the contact assembly within 3 s (Y/N)	WALTE		
	1.5	V	P		

23.4	TABLE: Imp	pact resistance	LIE NITE MILL WHILL WHILL	Р
Surfac	e tested	Impacts per surface	Impact energy [J]	
Shroud (4)	places)	3x	0,5	√P.
Supplemen	ntary information	on: fer out out of	the state of the s	18th

24.1 TABLE: Resistance to heat – Ball pressure test						Р
is and	Allowed impression diameter [mm]		ļ	: max	_	
Part und	er test	Material designation	Colour	Test temperature [°C]	Impression diameter [mm]	
Inlet live s part	upport	SABIC JAPAN L L C	Biack	125	1.0 mile	n P
Connector support pa	100	SABIC JAPAN L L C	Black	125	1.1 1.1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	P
	<u>. ا</u>	- LEK TEK NITE IN		The The	20, 70,	



Reference No.: WTX23D10218936Z001 Page 32 of 42

Victor Muri	Mur Aug Aug on	IEC 60320-1	LIES WALTER WALTER WALTE	Mury Mury
Clause	Requirement + Test	MUT, MI M.	Result - Remark	Verdict

TABLE: Screws, current-currying parts and connections - Threaded part torque test						N/A
	nreaded part lentification	Diameter of thread [mm)	Column number (I or II)	Applied torque [N m]	Number of operations (5 / 10)	
- White	Mrr. Mrr.	11, 21,	18th 18th	- 1,178 <del>1</del> 0,1,17	in ii ii ani	John
<b>-</b>		CH CLE LIE	Mrs Mrs	4/1 - 411		,

26	TABLE: Clearance, creepage distance and solid insulation  Requirements clearance, creepage distance met			
CIE OF	Rated voltage [V]:	AC 250	_	
٠.	Overvoltage category:	1, 1, 1	_	
MALT	Rated impulse voltage [V]:	2500	_	
. t	Pollution degree:	2	_	
MULL	Material group:	White White White White	_	

### Table 26.2 + 26.3 Clearances and creepage distances

Type of inculation	26.2 Cleara	nce CI [mm]	26.3 Creepage distance Cd [mm]		
Type of insulation	Required	Measured	Required	Measured	
Functional insulation Between L + N contacts	et unit	>5.0	2.5	>5.0	
Basic insulation L-N- Contact Earthing contact	1.5, 17	3.0	2.5	3.0	
Supplementary insulation L-N-Contact  Accessible surface (unearthed)	nite 1.50 th w	LIEK WILLER WILLY	1.8	ant unit of	
Reinforced insulation L-N-Contact  Accessible surface (unearthed)	3.0 mi	>5.0	5.0	>5.0	

#### **Table 26.4 Solid insulation**

	26.4 Solid reinf	orced insulation [mm]	The state of the s
Type of insulation	Required	Measured	alient unlie wall wall we
L-N-Contact Accessible surface (unearthed)	0.8	1.1	
Supplementary information:	TEK WITE WI	is were more my	70 A



Reference No.: WTX23D10218936Z001 Page 33 of 42

Vie Min	Aug Aug Aug aug	IEC 60320-1	Aury Aury
Clause	Requirement + Test	Result - Remark	Verdict

27.1 TABLE: Resistance to heat and fire – Glow-wire test					P	
Part under test	Material designation	Test temperature [°C]	Visible flame and sustained glowing (Y/N)	Flame and glowing extinction time [s]	Ignition of the tissue paper (Y/N)	
Inlet live support part	SABIC JAPAN L L C	750	MALTE NOVICE	mrg w	N	P
Inlet Body	SABIC JAPAN L L C	650	ALL NORTH	JU 0 JU	N	n P
Connector live part	SABIC JAPAN L L C	750	N	0	N	P
Connector Body	SABIC JAPAN L L C	650	N	JE 0, JE	, N	No B M
Supplementary info	rmation:	Mir Mr.	7/1 /1/		, t	et :

27.2	ABLE: Resistance to tracking			7	L P
antitud 1	lumber of drops	of drops: 50 (5x)			When
Part under to	est Material designatio	Test n voltage [V]	Flashover / breakdown (Yes/No)	Material group	
Insert	Let - Let . July	175	No	et - et	JEE .
Moulding ma	terial	175	No	1 10 1	20

#### Supplementary information:

Material group I 600 ≤ CTI

Material group II  $400 \le CTI < 600$ Material group IIIa  $175 \le CTI < 400$ Material group IIIb  $100 \le CTI < 175$ 



Reference No.: WTX23D10218936Z001 Page 34 of 42

Victor Marie	Auri Aur Aug an	IEC 60320-1	LIEK WITER WHITE WHI	in Marie Auti
Clause	Requirement + Test	AUTS MILL IN	Result - Remark	Verdict

E.4.2		E: Determination of the determ	rated operat	ing curren	ts for ambie	nt-	N/A
		current [A]		:	4/2 4/1	t et	_
		Temperature at terminals [°C]		e measure t rated curr	d at heating ent t <sub>a</sub> [°C]	Rated ci	
Maria	Me	90	L LEX	JE 3	TER OLITER	WILL WILL	. The
Tempera termina		Temperature of heating cabinet t <sub>a</sub> + steps of 5 °C		e measure t rated curr	d at heating ent t <sub>a</sub> [°C]	Measured [A]	
· .	- J+ .	Et TEX TEXT		Sample-No	)		. +
NETE W	CL. MILL	m. n.	1	2	3	ET WITE -	inin.
90	00	t <sub>a</sub> + 5°C	WrWr.	21/2	7, -2,	- J	st
90	0 4/2	t <sub>a</sub> + 10°C	A - A	Salt .	LIER - OLIE	Maria Mari	10
90	0	t <sub>a</sub> + 15°C	570	n - n	4	* 7	<i>t</i> .
90	0 1/2	t <sub>a</sub> + 20°C	- <del>5</del> 6*	. LT EXT LT	ST WILL S	Will MUST	m
<u></u> 20 90	0 👫	t <sub>a</sub> + 30°C	1/15 1		7.	et et	C.E.
90	0 4	t <sub>a</sub> + 35°C	J (2 )	18 11 11 15 15 15 15 15 15 15 15 15 15 15	Write M	11/12	211.
90	0 0	t <sub>a</sub> + 45°C	2		54/2	* TE*	CIEK
90	0	t <sub>a</sub> + 50°C	17 EK 17 E	,	-100	1415 14	
90	0	t <sub>a</sub> + 55°C	<u> </u>		7-76	TEX T	EK C
90	0	t <sub>a</sub> + 60°C	er aller	aneri - an	, m,	211. 211.	4,



Reference No.: WTX23D10218936Z001 Page 35 of 42

100		IEC 60320-1	
Clause	Requirement + Test	Result - Remark	Verdict

object/part No.	manufacturer/ trademark	type/model	technical data	standard	Mark
Enclosure for Appliance inlet	SABIC JAPAN L L C	945(GG)	V-1,105°C, Min. thickness 2.0mm	UL94,UL746	Tested with appliance UL 207780
Plug lateral contacts	Dongguan Yuci Hardware Electron Co.,Ltd.	H65	Cu>85%	IEC 60320-1	Tested with appliance
alternative	FOSHANG GUANGLONG copper and metal manufacture CO.,Ltd	H65	Cu>85%	IEC 60320-1	Tested with appliance
alternative	Yuyao Yonghai Hardware product Co.,Ltd	H65	Cu>85%	IEC 60320-1	Tested with appliance
Enclosure for Connector	SABIC JAPAN L L C	945(GG)	V-1,105°C, Min. thickness 2.0mm	UL94,UL746	Tested with appliance UL 207780
Contact for Connector	FOSHANG GUANGLONG copper and metal manufacture CO.,Ltd	H65	Cu>85%	IEC 60320-1	Tested with appliance
alternative	Dongguan Yuci Hardware Electron Co.,Ltd.	H65	Cu>85%	IEC 60320-1	Tested with appliance
alternative	Yuyao Yonghai Hardware product Co.,Ltd	H65	Cu>85%	IEC 60320-1	Tested with appliance



Reference No.: WTX23D10218936Z001 Page 36 of 42

ie. Writ	No.: WTX23D10218936Z001 Page 36 of 4 AS/NZS 60320.1	THE THE STEE STEE S	VILL WAR
Clause	Requirement + Test	Result - Remark	Verdict
AS/NZS 6	0320.1:2012	TE' NITE WITE WATE WAS	ano.
APPENDI NEW ZEA	X ZZ - VARIATIONS TO IEC 60320-1, Ed.2.1 (2007) LAND	FOR APPLICATION IN AUSTRAL	IA AND
16.1	In the first dash point, add the following to the first line after '16.2':		
e. Me	or by the test of 16.201	RETER MILIE MILIT WILL	me m
16.2.201	The following test is considered to be a suitable alternative to the test of Clause 16.2:		
WALTER	By manual means, the connector shall be fully inserted into and withdrawn 10 times from an appliance inlet complying with the appropriate standard sheet of this Standard.	Et WHITEK WHITEK WHI	EK PEEK VIII.
ine un Tiek until Karik	Manually align the connector in the appliance inlet to minimize the effect of misalignment between mating components and any other friction increasing factors, so as to attain the best practical position for minimum resistance to withdrawal.	White white whitek whitek	Wir P Winds
whitek w	The connector is then fully reinserted and a withdrawal force gradually applied by any suitable means until the connector is withdrawn. The withdrawal force during three consecutive disengagements shall be measured.	MAX 49N	P
EX WALLE	Connectors for hot conditions and those for very hot conditions are tested twice, once at ambient temperature and once after the temperature at the base of the pins of the appliance inlet has been raised to—	A TEL WALTER WALTER	nr N/A w
"NITE"	(a) 120 ±2°C for connectors for hot conditions; and	1st Test Test STEET ON	N/A
- L	(b) 155 ±2°C for connectors for very hot conditions	me me m	N/A
17	Add the following sentence at the end of the third paragraph		
LIEK WAL	The 'Test of Earthing Connection' in AS/NZS 3100 may be applied as an alternative to the test of Clause 21.	MITER WHITER WHITER	N/A
19	Add the words 'or brass pins' after the words 'hardened steel pins' in second line of third paragraph.		
VINETER W	Delete last sentence of third paragraph.		
	Insert the following new paragraph after the third paragraph:		
ULIEK WILLE	In the case of a connector failure using an appliance inlet with brass pins, the test may be repeated using an appliance inlet with hardened steel pins (and compliance with hardened steel pins shall override a failure when using an appliance inlet with brass pins).	MILIER WHITER WHITER WHITER	WALTER WAL
21	Add the following sentence at the end of the fourth paragraph:		TEN STE
All the	Alternatively, the connector is inserted into an appliance inlet complying with this Standard.	Mr. Mr. Mr. W.	N/A



Reference No.: WTX23D10218936Z001 Page 37 of 42

Clause	Requirement + Test Result - Remark	Verdict
Olddoc	regularient Fest Remain	VCIGIO
20,	Add the following text to the end of both the fifth and sixth paragraphs:	45.
JEE .	until the temperature is stabilized.	
22.4	Table 6 Add the following new Note:	
iter whi	NOTE Cross linked elastomeric insulated braided cords, complying with AS/NZS 3191, may be used to test connectors for hot conditions and very hot conditions.	N/A
	Delete the words 'for non-rewirable connections' from the last paragraph.	
23.2	Delete the last sentence from the fifth paragraph.	
	Insert the following new paragraph before the Note:	7+
uric an	In particular, the following shall be checked by inspection:	on P
TEK WALT	(a) Live parts shall not be exposed so as to impair compliance with Clause 10.	ntie P <sub>M</sub>
et white	(b) For each contact, compliance with Clause 21 is maintained and the resistance of the appliance coupler circuit is such that compliance with Clause 17 is maintained.	P
7E. 7	(c) Any other function affecting safety shall not be impaired.	P
nt wh sex acti	(d) No part shall have become detached or loosened to the extent that a hazardous situation is created.	Р
27.1	Delete the words 'with a rated current exceeding 0,2 A' from the second paragraph.	
MITE	In the first dash point add the following text after 'in position':	
TEX.	for accessories with a rated current exceeding 0.2 A;	P

AS/NZS	60320.1:2012		
APPENI	DIX ZA - ADDITIONAL REQUIREMENTS FOR GROUP	2 APPLIANCE COUPLERS	d
ZA1	INTRODUCTION		Р
WALTER WALTER	This Appendix sets out additional requirements for appliance couplers classified as Group 2. The clauses listed in paragraph ZA2 supplement or modify particular clauses contained in the body of the Standard including the variations of Appendix ZZ.	MULTER MULTER MULTER MULTER MULTER	PEK V
LTE WAS	Where there is no Clause reference in Paragraph ZA2, the clauses contained in the body of the Standard apply without change. Where Paragraph ZA2 states 'Addition' or 'Replacement' or the like, the particular clauses contained in the body of the Standard shall be adapted accordingly.	TEK MILIEK MILIEK MILIEK MILIER MILIEK MILIE	WINEY INLIEK ITEK

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Reference No.: WTX23D10218936Z001 Page 38 of 42

- ch	AS/NZS 60320.1	the other and and	" " " " " " " " " " " " " " " " " " "
Clause	Requirement + Test	Result - Remark	Verdict
ZA2	ADDITIONAL REQUIREMENTS	it write write mail	W P
Scope	Appendix ZA is applicable to appliance couplers classified as Group 2 with	SLIER WILLER WHILER	WILLE WILL DE
	rated voltage not exceeding 250 V and for a current rating not exceeding 63 A.	NITER WHITEK WHITEK	LIEK MALIEK W
3.202	Group 1 appliance coupler	at ant and	N/A
MITEK	An appliance coupler that complies with the Standard Sheets C1 to C24	t get iget alget	N/A
3.203	contained in the body of the Standard.	The Mr. M.	P
3.203	Group 2 appliance coupler	THE STEEL MITTER	P
	An appliance coupler in which the shroud of the appliance inlet differs in dimensions, or the pins differ in number, shape, dimensions or spacing, from those of appliance inlets of Group 1	and whilet whilet wh	TEK DUTEK W
WALTER	NOTE Typical applications for a Group 2 appliance coupler is with frying pans where the connector has an in built thermal control.	EX WHITEX WHITEX WHITE	N/A
6.201	Group 2—Couplers are rated at any value not exceeding 63 A This Clause applies with the following addition:	MALTER WALTER WALTER	WHET WIP
7.1.1	Add the following dash point	The main w	P V
EK WALTE	The temperature class assigned by the manufacturer, with a minimum of 70°C for Group 2 appliance couplers.	TE WHILE WHILE WHI	EF WITH PAI
8.1	Add the following dash point:	A TEN TEN WITE	P
huriek m	The temperature class assigned by the manufacturer, for Group 2 connectors having a temperature classification above 70°C.	WILLER WILLER	MUNITED WINLIES
8.2	Add the following paragraph:	at at at	A CP
ek whitek	Group 2 appliance inlets other than those integrated with or incorporated in an appliance or equipment shall be marked with the same marking required for connectors in Clause 8.1.	it while while whi	N/A
9.1	Delete existing text and replace with the following:	- at alt alt	U P
veres mi	A Group 2 appliance inlet shall be of such form or dimensions that a connector of Group 1 cannot be inserted in such a manner that the spring contacts of the connector will connect with any pins of the appliance inlet.	Maries maries averes	NUTER WALLEY
ynlifix	This, however shall not apply if the live contacts and any earthing contacts of the connector and appliance inlet can make effective contact without impairing the effectiveness of any part of the connector or appliance inlet.	I'E WHITE WHITE WHITE	W PW



Reference No.: WTX23D10218936Z001 Page 39 of 42

. ale	AS/NZS 60320.1	THE STATE STATE STATE	ales alls
Clause	Requirement + Test	Result - Remark	Verdict
White W	NOTE Particular attention is drawn to the possibility of damage through cracking of connector bodies and permanent distortion of spring contacts and earthing contacts.	White white white whi	P
	A Group 2 connector, if it is provided with an earthing contact or external metal casing, shall be of such form or dimensions that it cannot be inserted into an appliance inlet of Group 1 in such a manner that the spring contacts of the connector connect with the pins of the appliance inlet.	ALTER WALTER WALTER WALTER	WALTER WALT
MULLER AND	The foregoing requirements do not apply where a connector and appliance inlet are of such form or dimensions that they are obviously not intended to be used with one another.	White white white wh	MP MILITER
TEK WALTER	A Group 2 connector and its associated appliance inlet shall be designed so that the connector cannot be inserted into the appliance inlet in such a manner that live and earth connections are transposed. In addition, there shall be no possibility of interconnection of connectors. Compliance is checked by inspection and measurement.	Light while while while w	A TEX WATER
9.4	Add the following dash point	which the the	P
	Group 2 connectors with appliance inlets having a temperature class greater than that of the connector.	Intifer white	MALL P W
9.5	Add the following paragraph	LIE WILL MILL MILL	Р
	Group 2 appliance inlets shall be arranged so that the pin ends do not, under any circumstances, protrude beyond the limiting surface of the shroud.	* Whitek muitek muitek un	LEF PLE
9.6	Add the following paragraph:	TEK TEK NITEK MIT	N/A
itek wni K wnitek	A Group 2 appliance inlet shall not be of dimensions such that it will fit a cord extension socket complying with AS/NZS 3120, Approval and test specifications — Cord extensions sockets NOTE This type of "appliance inlet" is an "inlet plug" with requirements as specified in AS/NZS 3120.	whitek whitek whitek	N/A
10.1	Add the following after the second paragraph:	THE WALL WHITE WAS	N/A
VILLER AND	Group 2 connectors may have an accessible earthing facility provided that no earthed part is held during insertion or withdrawal.	UNITER WHITER WHITER WHITE	N/A
10.4	Replace the first sentence with the following:	ret tel tel till still	N/A
y whitek	External parts of connectors accessible to the standard test finger, except for earth facilities for Group 2 connectors as allowed by Clause 10.1, shall be insulated from live parts by either double insulation or reinforced insulation.	A THE WILLER WILLER W	N/A



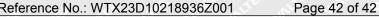
Reference No.: WTX23D10218936Z001 Page 40 of 42

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Clause	Requirement + Test	Result - Remark	Verdict
13.12	Replace the first paragraph with the following	White will will	N/A
unliek vi	Fuses shall not be incorporated in Group 2 connectors.	ALTER MALIER MALIER	N/A
15.3	Add the following after the third paragraph:	An A	N/A
er wiley	When a Group 2 connector has an automatic temperature control and the control has an 'off' position marked, the following test shall be applied.	NITE WILL WILL W	N/A
	The switching device shall be turned to the 'off' position. The connector shall then be subjected to a temperature of 0°C for a period of 1 h. Immediately following this procedure, a high voltage test of 1000 V a.c. shall be applied across the open contacts and there shall be no failure or arcing over.	SUNTER MUTER MUTER	N/A
16.201	Group 2 connectors, having a temperature classification above 70°C, are tested twice;	LIEK WALTER WALTER WA	N/A
WALTER	once at ambient temperature and once after the temperature at the base of the pins of the appliance inlet has been raised to its marked temperature classification ±2°C.	est owners which	N/A
18.2	Add the following to the first paragraph:	Mur Mur	N/A
ite <sub>vin</sub> i	Group 2 rewirable connectors are fitted with the appropriate flexible cord specified by the manufacturer.	The state of	N/A
MUT	The temperature class assigned by the manufacturer ±2°C for Group 2 connectors;	TE WALLE WILL MAY	N/A
18.3	Add the following to the first paragraph:	the little writer write	N/A
nettek ou	The temperature class assigned by the manufacturer ±2°C for Group 2 appliance inlets;	All All STEEL	N/A
22.1	Add the following after Table 4:	mr. mr. m.	Р
TER MILT	For Group 2 non-rewirable connectors, the flexible cord shall—	NIFEK WALTER WALTER OUT	Tree Murie P.M.
	<ul> <li>(a) be not lighter than light-duty type for connectors rated at ≤7.5 A;</li> <li>(b) be not lighter t han ordinary type for connectors rated at &gt;7.5 A;</li> </ul>	<7.5A	EX TEX PLI
	(c) have a nominal cross-sectional area appropriate for the rating and length of the cord; and	MATER MATER MATER	INLIER WHILER
22.3	(d) be of the appropriate temperature class.  Add the following after Table 5:	at at all	N/A
LUNLIEL	Group 2 rewirable connectors are fitted with the appropriate flexible cord specified by the manufacturer, and complying with AS/NZS 3191, Electrical flexible cords.	the market market market	N/A N/A



Reference No.: WTX23D10218936Z001 Page 41 of 42

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Clause	Requirement + Test	Result - Remark	Verdict
WILLER OF	Where two types of cords are specified, the connector shall be tested twice, firstly with one and secondly with the other type of specified cord.	WALL WILL WALL	N/A
LIEK WIL	Where a range of flexible cords is specified, the connector shall be tested with the smallest and the largest flexible cord of the specified range.	TITEL WILLEY WILLEY	N/A
22.4	Add the following after Table 6:		N/A
MILIER	Group 2 rewirable connectors are fitted with the lightest duty flexible cord recommended by the manufacturer.	t et iet iet	N/A
NITEK VII	Group 2 rewirable connectors are fitted with the lightest duty flexible cord recommended by the manufacturer.	WILL WILL WILLIES	N/A
TEX WILT	For Group 2, the smallest and largest nominal cross-sectional area conductors, as recommended by the manufacturer, are used.	LIER WALLER WALLER ON	N/A
k alter	This Clause applies with the following addition:	at at all of	N/A
WATER O	However, for Group 2 connectors incorporating switches, relays, thermostats, thermal cut-outs or energy regulators, the creepage distance and clearance of 4 mm between parts of earthing circuit and live parts need not be complied with,	wint whitek whitek	N/A
et white	providing the appropriate values given in the Table 'Creepage Distances and Clearances' stated in AS/NZS 3100, Approval and test specifications — General requirements for electrical equipment are satisfied.	TE MILTE MILITANI	N/A
27.1.2	Replace the last paragraph with:	A WILL WILL MALL	N/A
MALTER ON	NOTE Decorative trims, wiring insulation, knobs and other small parts unlikely to be ignited or to propagate flames are not tested.	MULTER MULTER MULTER	WA WA



Reference N	No.: WTX23D10218936Z001	Page 42 of 42		
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Clause	Requirement + Test	Result -	Remark Verdi	ict



Photo 1 External View



====End of Report=====