



TEST REPORT

Reference No	WTX23D10218933Z001
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-EU-3
Total pages:	42 Pages
Standards:	 IEC 60320-1: 2021 Appliance couplers for household and similar general purposes − Part 1: General requirements
Date of Receipt sample	2023-10-18
Date of Test	2023-10-18 to 2023-11-15
Date of Issue:	2023-11-30
Test Result	Pass State Link Link
reproduced, except in full, with	eport refer only to the sample(s) tested, this test report cannot be out prior written permission of the company. The report would be invalid stitute and the signatures of compiler and approver.

Prepared By: Waltek Testing Group Co., Ltd.

Address: No. 77, Houjie Section, Guantai Road, Houjie Town, Dongguan City, Guangdong, China
Tel:+86-769-2267 6998
Fax:+86-769-2267 6828

Compiled by:

Approved by:

Sam Qi / Designated Reviewer



Reference No.: WTX23D10218933Z001 Page 2 of 42

Test item description:	Blades-R
Trade Mark(s)::	GlobTek, Inc.
Model/Type reference::	R-EU-3
Ratings:	250V~, 50-60Hz,2.5A

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

The product with models R-EU-3 is Power supply with detachable EU 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.: WTX23D10218933Z001 Page 3 of 42

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



Reference No.: WTX23D10218933Z001 Page 4 of 42

- 'M' - An	
Possible test case verdicts:	
- test case does not apply to the test object	: N/A
- test object does meet the requirement	: P (Pass)
- test object does not meet the requirement	: F (Fail)
Testing	The same and same and same
Date of receipt of test item	: 2023-10-18
Date (s) of performance of tests	: 2023-10-18 to 2023-11-15
General remarks:	WHITE WHITE WALL WALL WITH WITH
"(See Enclosure #)" refers to additional information "(See appended table)" refers to a table appended to Throughout this report a ⊠ comma / □ point is	o the report.
"(See appended table)" refers to a table appended to	s used as the decimal separator.
"(See appended table)" refers to a table appended to Throughout this report a comma / point is Manufacturer's Declaration per sub-clause 4.2.5. 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	o the report. s used as the decimal separator. of IECEE 02:
"(See appended table)" refers to a table appended to Throughout this report a ⊠ comma / □ point is Manufacturer's Declaration per sub-clause 4.2.5	o the report. s used as the decimal separator. of IECEE 02:
"(See appended table)" refers to a table appended to Throughout this report a comma / point is Manufacturer's Declaration per sub-clause 4.2.5. 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.	the report. s used as the decimal separator. of IECEE 02: Yes Not applicable n the General product information section.



Reference No.: WTX23D10218933Z001 Page 5 of 42

Š	THE WAITE	Mary Aug Aug M.	IEC 60320-1	iet alter ander white	ancie ancie
×.	Clause	Requirement + Test	MUTLE ME MIL	Result - Remark	Verdict

8	MARKING	Р
8.1	General General	Р
THE .	Appliance couplers are marked with:	TEP TEP
(H (- name, trademark or identification mark of the manufacturer or responsible vendor	P
The same	- type reference	July P
8.2	Additional markings	P.
'ny	Standardized connectors/plug connectors in accordance with IEC 60320-3 are non-standardized appliance couplers are additionally marked with:	nd all P
11. 12. 14.	- rated current (A) (except 0,2 A connectors) 2.5A	√ y (* P \
at .	- rated voltage (V) 250V	# P
100	- symbol for nature of supply ~	7/1/2 P/1
k white	- marking to identify the type of conductors suitable for screwless terminal	N/A
8.3	Appliance couplers for class II equipment	P+
Mrs.	Appliance couplers for class II: Not marked with the symbol for class II construction	In P
8.4	Symbol or alphanumeric notations	it P
	Correct symbols are used	Р
MULL	Marking for the nature of supply placed next to the marking for rated current and rated voltage	uni P
8.5	Legibility of marking	
	Connectors/plug connectors: Marking according to 8.1, is still easily discernible	TEL TEL
8.6	Terminal markings and wiring instructions	N/A
TEK WY	Terminals, in rewirable non-reversible connectors/plug connectors, are indicate follow:	ed as N/A
ik Walife	- earthing terminal: [earth symbol, earth symbol in circle or PE]:	N/A
1	- neutral terminal: N:	N/A
whitek wi	Conductor, in non-rewirable polarized connectors/plug connectors are connected as specified in 22.1	and al N/A
	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
- LITE	Rewirable connectors/plug connectors are supplied with the following instruction	on: N/A
10,	- method of connection of the conductors:	N/A
CEE	- method of the operation of the cord anchorage:	N/A



Reference No.: WTX23D10218933Z001 Page 6 of 42

Clause	Requirement + Test	Result - Remark	Verdic
Oldusc	Trequirement Test	Tresuit - Tremant	Verdio
JEP .	- length of sleeving and insulation to be stripped back	Mr. M. M.	N/A
71, 71,	- sizes and types of cable or cords suitable:	Will MUT MUT A	N/A
8.7	Durability	at the title of	THE THE
	Marking is easily legible and durable	in which were my	P
THE WALTER	Marking are not placed on screw or other removable parts	- UNITER WAITER WAITE	MILL MILL
3.8	Test and inspection	at the left	P
21/2. 1	Test: 15 s with water, 15 s with petroleum spirit	WALTE WALL WALL	n P
STEP N	Marking made by moulding, pressing or engraving	at the left	JEP JOP
•	DIMENSIONS AND COMPATIBILITY		Р
9.1	General	et let let is	P
t Tex	Appliance couplers are designed that unintended or improper connection is prevented	Mer alex the	Р
9.2	Single-pole connection	White wall wall	The Th
MULITER ON	Single-pole connections between connectors/ appliance outlets and appliance inlets/plug connectors are not possible	Nitek Whitek Whitek	DEFECT P
9.3	Compatibility	Alt Miller IN	P
<i>J</i> . <i>J</i> .	It shall not be possible to engage (using a force of 60	N for 60 s):	Р
AUG	- connectors for class II equipment in appliance inlets/plug connectors for class I equipment	MILIE MILLE MALIE	July P
WALTER	- plug connectors for devices of protection class I in connectors/appliance outlets for devices of protection class II	MALTER MALTER WALTER	VINITE OF P
intr on	- connectors for cold conditions in appliance inlets/plug connectors for hot or very hot conditions	LIER WALTER WALTER W	P P
	- plug connectors for cold conditions in appliance outlets for hot or very hot conditions	ex unitex unitex uni	Pur
WALTER	- connectors for hot conditions in appliance inlets/plug connectors for very hot conditions	MALIER MALIER MALIE	WILL AND
MALTEK	- plug connectors for hot conditions in appliance outlets for very hot conditions	LIER MITER MITER	MILLEY DIVIN
TITEK SINI	- connectors in appliance inlets/plug connectors having a higher rated current than the connector	TEX TEX TEXT	TEK NIEP
Et LIE	- plug connectors in appliance outlets having a lower rated current than the plug connector	t lit lit is	Р
- TEX	Test: Engagement of a connector or plug connector with a force of 60 N for min. 60 s	mur mur mur	P
ans.	During the test: no contact of the pins	MITE WALL WALL	Mur. M.B.
9.4	Dimensions for standardized appliance couplers		N/A



Reference No.: WTX23D10218933Z001 Page 7 of 42

Clause	Paguiroment + Test	Result - Remark	Verdict
Clause	Requirement + Test	Result - Remark	verdict
	Standardized appliance couplers shall comply with the relevant standard sheets according to IEC 60320-3:	while while while while	N/A
9.5	Dimensions for non-standardized appliance coup	olers	Р
EX VILEX	Non-standardized appliance couplers are acceptable if do not adversely affect the purpose and safety of standardized appliance couplers	LET WHITE WHITE WHITE	out Pall
MULTER 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	Multer multer multer multer	EK WALTER
	No changes which adversely affect the contact-making ability	the mail man man	P.
yuni.	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	THE WHITE WHITE WHITEK WA	IN PIN
onviir o	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	INLIER WHITE WHITE WHITE	WALTER W
ek while	It is not possible within a given system to make connintended position or to make partial connections causimpair the further use of the appliance for:		NI EL P
All The State of t	- a connector and associated appliance inlet	a st sit s	e P
'Ek Mu'	- an appliance outlet with the associated plug connector	WHITE WHITE WAS THE	P
10	PROTECTION AGAINST ELECTRIC SHOCK		Р
10.1	Accessibility of live parts	the state of the s	P
* "it	Live parts of appliance couplers are not accessible when in partial or complete engagement	White white whi	W P
unii.	Live parts of connectors/appliance outlets are not accessible	White white white on	, P
WALTER W	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	UNLIER WHITER WHITER WHITE	MIN P
10.2	Protection against single pole connection	Kr. Alex All All	Р
ie waite Lantier	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	TEL STEEL STEEL STEEL	NE PA
10.3	Protection against access to live parts	24. 24. 20. 2	P.



Reference No.: WTX23D10218933Z001 Page 8 of 42

IEC 60320-1			
Clause	Requirement + Test Result - Remark	Verdict	
THE TEXT	It is not possible to remove parts preventing access to live parts without the aid of a tool	Р	
nie vi	Bushes are adequately fixed, and it is not possible to remove them without dismantling the connector/appliance outlet	P	
10.4	External parts	Р	
MULTER	Insulating material for external parts of connectors, appliance outlets and plug connectors	Р	
10.5	Shrouds which the life the life the life that the life tha	N/A	
INLIEK UN	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	N/A	
11	PROVISION FOR EARTHING	Р	
	Appliance couplers with protective earthing contact: constructed that the protective earthing contact is first make and last break relative to any other contact	P	
12	TERMINAL AND TERMINATIONS	P	
12.1	General	Р	
VILLE AND	Requirements in the appropriate IEC standard apply for the terminal and terminations	Pw	
WALTE	Clamping means of terminals do not serve to fix any other components	P	
12.2	Rewirable appliance couplers	N/A	
All the	They are provided with screw-type clamping units or screwless clamping units according to IEC 60999-1	N/A	
12.3	Non-rewirable appliance couplers	P 3	
itek mit	They are provided with soldered, welded, crimped or equally effective screwless connections:	IEL P	
EK MITEK	The possibility to disconnect the conductor is not allowed	L P	
13	CONSTRUCTION	Р	
13.1	Risk of accidental contact	P	
	There is no risk of accidental contact between earthing contact of appliance inlet/plug connector and current-carrying contacts of the connector/appliance outlet	LITE P	
13.2	Contact positions		
L INLIEK	In non-reversible connectors/plug connectors the contact positions are established by looking at the engagement face as shown in the standard sheets of IEC 60320-3	N/A	
, t	Position shall be set out as in Table 1:	N/A	
Will al	Connectors:	N/A	

Waltek Testing Group Co., Ltd. http://www.waltek.com.cn



Reference No.: WTX23D10218933Z001 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 ^{lier} .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 A	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 MITE	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 LIET NITE 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
المد منامان	- 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	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.: WTX23D10218933Z001 Page 10 of 42

Clause	Requirement + Test	Result - Remark	Verdic
		Tresuit - Itemark	Verdic
13.4.3	Non-solid pins	Mr. M. M.	P
اله مناس	Test for non-solid pins	TEX LIER NITER MITE	Р
STEP OF	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	at at all all	P
	After the test: - no significant alteration in the shape of the pin	of the text of	Р
13.4.4	Pins for appliance couplers for higher ambient te	emperatures up to +90 °C	N/A
WALTER	Pins for plug connectors or appliance inlets made of solid material	SLIET WILET WHILE WHILE	N/A
13.5	Contact pressure		ΑÞ
TEX WILL	Contacts of connectors/appliance outlets are self- adjusting so as to provide adequate contact pressure	LET TEX TEX STEEL W	P
y whiteh	Self-adjustment of the contacts in connectors/ appliance outlets other than 0,2 A, does not depend upon the resiliency of insulating material	WILEY WILEY WILLIAM WALL	P
13.6	Enclosure	The state of	P
13.6.1	General	CLIEB INCIES WALL WALL	III. b
NITEK WAL	Parts of the body of connectors/plug connectors are reliably fixed to one another	at Juliet Milet	LITE P
13.6.2	Rewirable connectors and rewirable plug connectors	ctors	N/A
MULL	It is not possible to dismantle the connector/plug connector without the aid of a tool	White white white wh	N/A
WALTER	Terminals and the ends of cord - completely enclosed by the enclosure	White white white white	N/A
JEK .	Construction is such that conductors can be properly	connected and is unlikely that:	N/A
The The	- cores are not pressed against each other causing damage	ALL MAN AND AND AND	N/A
x 24	- cores of live conductor not pressed against accessible metal parts	in which were a	N/A
MULL	- core of earthing conductor not pressed against live parts	WAITE WALTE WHITE WALL	N/A
MUTTE A	It is not possible to assemble the rewirable connector in such a way that terminals are enclosed and contacts accessible	MITER WHITEH WHITE	N/A
iek vil	Separate independent means for fixing and locating parts of the body with respect to each other are present in rewirable connectors/plugs connectors	A LEK TEK TEK	N/A
10,	Thread-cutting screws are not used	and my my my	N/A
WALTER	Resiliency of the contacts does not depend upon the assembly of the parts of the body	ALTEK INLIEK MILIEK MILIT	N/A



Reference No.: WTX23D10218933Z001 Page 11 of 42

Clause Requirement + Test Result - Remark		
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
NLTEK.	- 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 JUNI	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.: WTX23D10218933Z001 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
MAL	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:		
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	med my my my	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	s st st	e Pe
ans.	Electric strength: a.c. test voltage applied for 60 s ± 5 s	see appended Table 15.3	P



Reference No.: WTX23D10218933Z001 Page 13 of 42

24	IEC 60320-1	They were were all	-60,	
Clause	Requirement + Test	Result - Remark	Verdict	
16	FORCES NECESSARY TO INSERT AND TO WITHI CONNECTOR/APPLIANCE OUTLET	FORCES NECESSARY TO INSERT AND TO WITHDRAW THE CONNECTOR/APPLIANCE OUTLET		
16.1	General		Р	
iriest whir	The construction of appliance couplers shall allow the easy insertion and withdrawal of the connector/appliance outlet and prevent from working itself out of the appliance inlet/plug connector in normal use		Р	
16.2	Verification of the maximum withdrawal force	t liet aliet mile unit	P	
	For standardized appliance couplers: gauge is used	711 111 11	_	
Murra 1	For non-standardized types: the counterpart as specified by the manufacturer is used	MILIER WHITE WHITE WHITE	_	
WILE AN	The connector/appliance outlet shall disengage within 3 s from the appliance inlet/plug connector	see appended Table 16	n ^{LT} P N	
16.3	Verification of the minimum withdrawal force	et et tet stet stet s	P	
24,	For standardized types: test pin gauge is used	Mur Mr Mr M	_	
WILTER	For non-standardized types: test pin with minimum dimensions as specified by the manufacturer is used	MILITER WALTER WALTER WALTE	_	
WALTEK W	The test pin did not fall from the contact assembly within 3 s	see appended Table 16	uni Pie	
17	OPERATION OF CONTACTS		Р	
L W	Contacts and pins of appliance couplers make connection with a sliding action	arri mr. w	P	
t TEX	Contacts of connectors/appliance outlets provide adequate contact pressure and do not deteriorate in normal use	White white whi	P	
unitek un	Effectiveness of pressure between contacts and pins and earthing contacts and earthing pins does not depend upon the resiliency of the insulating material	White whitek whitek whitek	AND P	
LIEN WALT	Test: Inspection and tests of Clause 16, 19, 20 and 21	Et NIET MIET WHITE WI	JEK P N	
18	RESISTANCE TO HEATING OF APPLIANCE COUR CONDITIONS OR VERY HOT CONDITIONS	PLERS FOR HOT	N/A	
18.1	General	Mr. M. M.	N/A	
WALL 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	
LEX MILES	Connectors/plug connectors so constructed that the insulation of the conductors is not subjected to excessive heating	the military with which we with the street win the street with the street with the street with the street with	N/A	
MULTER.	The spring contacts of appliance outlets and connectors shall not be negatively affected by thermal relaxation due to excessive heating	THE WIFE WILLES WHILE	N/A	
18.2	Heating test for connectors/plug connectors	20 20 20	N/A	



Reference No.: WTX23D10218933Z001 Page 14 of 42

	IEC 60320-1		
Clause	Requirement + Test	Result - Remark	Verdict
MVTEK M	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)	WALL WALL WILLS	NIFE WIFE
it i	After this test:	h A	N/A
7 24 20 T	- Plug connectors inserted and withdrawn from the appliance outlet 10 times	iter white white whi	N/A
WILL	- Connectors subjected to the test of Clause 16	I LIER SLIER WILL	N/A
	After this test the test sample show:	14 14 14	N/A
White 4	- no damage	LIER WITE WITE	JV/A
MLTEK NA	- no loosening of electrical or mechanical connections	THE THE STILL O	N/A
4. ,	- no cracks	1 24 24 24 24	N/A
18.3	Heating test for appliance inlets/appliance outlets		N/A
H NITEH	Appliance inlets/appliance outlets kept in a heating cabinet for 96 h at a temperature of (°C)	Tet tet tret	ALLE -
TEX	- Appliance outlets subjected to the test of Clause 16	Mus Mus Mus	N/A
1/15 11	After this test the test sample show:	White White White a	N/A
JIEN J	- no damage	at all the	N/A
EF LE	- no loosening of electrical or mechanical connections	t the th	N/A
2/12	- no cracks	E WILL MULL MULL	N/A

19	BREAKING CAPACITY		Р
MITEK.	Appliance couplers shall have adequate breaking capacity	THE LIFE MITTER MATTER	nit P
	Compliance checked by testing	see appended Table 19	Р
ite M	During the test: no flashover and any sustained arcing	I EX WHITE MATER MATER ON	- Fin
المان علم	After the test, the test sample show no damage	it the the state out	P
20	NORMAL OPERATION		Р
WILLEY.	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
. TE	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
alle.	Test sample does not show any:	White whi with whi	₹ ₀ P
All the	- wear impairing its further use	1 A St St	Р



Reference No.: WTX23D10218933Z001 Page 15 of 42

Clause	Requirement + Test	Result - Remark	Verdict
400		With the Miles	
10	- deterioration of enclosures or barriers	71 72 75	Р
علاير فا	- damage to the entry holes for the pins	REFERENCE WALL WALL	Р
18th 3	- loosening of electrical or mechanical connections		Р
ir. Mr.	- seepage of sealing compound	TER TIPE WALLE THE	N/A
<u> </u>	The electrical safety is not impaired		P
21	TEMPERATURE RISE	in an	Р
MULIER	Contacts and other current-carrying parts shall be so designed as to prevent excessive temperature rise due to the passage of current	MILIER MILIER MILIER MILI	EK PEK
INLITEIK WY	Compliance checked for connectors/appliance outlets and plug connectors by testing	see appended Table 21	UNITÉ V
IFEK MALIF	After the test, the test samples withstand the test of clause 16	et stet street miter	IN THE P
22	CORDS AND THEIR CONNECTION		Р
22.1	Cords for non-rewirable connector/plug connector	ors the mile white wh	P
WALTEK V	Non-rewirable connectors/plug connectors are provided with cord complying with Table 9 or equivalent:	NUTER WHITER WHITE	K P.F
NITEK WILL	Type of cord complying with standard indicated in Table 9)	see appended Table 22.1	II II P
EK MALTE	Cords have a nominal cross-sectional area not less than that specified in Table 9 (mm²)	see appended Table 22.1	NI EX P
LIEN	Non-rewirable connectors/plug connectors with earthing contact are provided with a three-core cord	see appended Table 22.1	P P
TEX.	Connections to the contacts in non-rewirable, non-reversible connectors/plug connectors:	ant an at the	P
ing an	- green/yellow core: to the earthing contact	The win mun mun	Р
TEX II	- brown core: to the line contact	at at all test	P
20	- light blue core: to the neutral contact	in murry murry murry	Р
22.2	Cord anchorage	- Let Telt Telt .	of Pol
22.2.1	General	mr mr mr m	Р
WALTER	Connectors/plug connectors are provided with a cord anchorage	INTEX WITER WILLER WILL	JIN P
NLTEK WA	Cord anchorages of the "labyrinth" type: - withstand the relevant tests	Tex outer while while	N/A
22.2.2	Additional requirements for rewirable connectors connectors	and rewirable plug	N/A
ı "t	Additional requirements are:	Mr. Mr. M.	N/A
WILL .	- it is clear how to relief from strain and prevention of twisting is intended to be effected	WITER UNITED MAILE WAY	N/A



Reference No.: WTX23D10218933Z001 Page 16 of 42

MU	IEC 60320-1	it with white and wi	. A11.
Clause	Requirement + Test	Result - Remark	Verdict
JIEK .	- it is integral with or fixed to the connector/plug connector	Murit Murit Murit Miles	N/A
111 211	- makeshift methods is not used	ALTE WALL WALL WALL	N/A
LITER WINLY	- cord anchorage is suitable for the different types of cord and its effectiveness does not depend upon the assembly	TEX WILLER WALTER WALTER	N/A
MULT	- cord anchorage is of insulating material or provided with insulating lining	UNLIER WHITER WHITE WAS	N/A
MULTER	- it is not possible for the cord to touch the clamping screws, if accessible	INLIER WHITER WHITER WHITE	N/A
TEN.	- its metal parts are insulated from earthing circuit	at at let let	N/A
22.2.3	Pull test for cable anchorage	WILL MULL MULL MULL	N/A
TEX WALTE	Non rewirable connectors/plug connectors: - tested with the cord as delivered	see appended Table 22.2.3	N/A
MULTER	Rewirable connectors/plug connectors: - tested first with one and then with the other type of cord, as specified in Table 10		N/A
OLITER .	During the tests: cord not damaged	TEN TEN LIEN NITE	N/A
ta	After the test:	Wer. Mr. M. M.	N/A
Life and	- cord not displaced by more than 2 mm	ALTER MITE	N/A
	- rewirable connectors/plug connectors: ends of conductors have not moved noticeably in the terminals	THE MILIT WHITE WA	N/A
MITEK	- non-rewirable connectors/plug connectors there was no break in the electrical connections	THE STIFF WITH MITTER MITTER	N/A
22.3	Flexing test	Mr. Mr. M.	N/A
north an	Guards are of insulating material and are fixed in reliable manner	LIFER WALTER WALTER WALTER	N/A
ITE WALT	During the test: no interruption of the current and no short-circuit between conductors	see appended Table 22.3	N/A
THE THEF	After the test:	t list light start so	N/A
101	- test sample show no damage	Mer, Mer, Mer, Mr.	N/A
CLIER .	- guard, if any, not separated from the body	Let tet tet with	N/A
TELL OF	- insulation of the cord show no sign of abrasion or wear	The state of	N/A
iek aute	- non-rewirable connectors/plug connectors: broken strands have not pierced the insulation as to become accessible	of the they will and	N/A
23	MECHANICAL STRENGTH		Р
23.1	General	- THE STEE OUTER WAL	Р
TEX	Appliance couplers have adequate mechanical strength	And the let let	PL



Reference No.: WTX23D10218933Z001 Page 17 of 42

-20,	IEC 60320-1	in the same say, say	- "
Clause	Requirement + Test	Result - Remark	Verdic
23.2	Free fall test	mer me me	Р
OLTER AL	Free fall test procedure 2 of IEC 60068-2-31 for conr	nectors and plug connectors	P
30	Number of falls:	100	Р
LIET WILL	After the test:	THE THE LITTER WITE S	Par
<i>L</i>	- test sample show no damage	1 19 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Р
WILL	- no part become detached or loosened	E LIER ALTER MALE MAY	Р
23.3	Lateral pull test for contacts	711 72	Per
Silver 1	Lateral pull test for connectors with rating exceeding	0,2 A and appliance outlets	JU P
d.	- rated current (A):	2.5A	_
Vice Me	- pull (N):	6N	s
at de	After the test:		P
'an'c	- connector/plug connector show no damage	THE WALL WALL WITH THE	Р
VINLIER.	- test sample comply with test of 16.3	only for connectors see appended Table 23.3	P
23.4	Impact test		Р
	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 - shrouds of appliance inlets for surface mounting		ALL IN
- Chr.	- shrouds of plug connectors	All Table 00 A	de
00.5	After the test, the test sample show no damage	see appended Table 23.4	P
23.5	Deformation test 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 N/A
alt d	- blade A (10 N):	a at at at	_
20	- blade B (5 N):	it the water water water was	_
WALTER	Difference between thickness values measured at the point of impression before and after the test is not more than 0,2 mm	MALIER WALTER WALTER WALTER	N/A
23.6	Pull test for connectors/plug connectors with a s	eparate front part	N/A
23.6.1	General	M M Th	N/A
Vicin Mus	External parts of connectors/plug connectors with a separate front part are reliably fixed to one another	PLIES WILLES WILLIAM WILLIAM	N/A
23.6.2	Straight pull test	CEX LIEK NITER WITE OF	N/A
	Compliance checked by the following test:	Mr. In In	N/A
MULL	A pull force according to Table 13 is applied in direct pins/contacts for 60 s+5 /0 s	ion of the axes of the	N/A
26	- rated current (A):	1 1 1 11	N/A



Reference No.: WTX23D10218933Z001 Page 18 of 42

- 0,	IEC 60320-1	21/2, 21/2, 21/2, 20/2	
Clause	Requirement + Test	Result - Remark	Verdict
30	- straight pull (N)	any and any and	N/A
23.6.3	Lateral pull test	THE LIER NITER WITE	N/A
s	Compliance checked by the following test:	in the me and	N/A
	A lateral pull force according to Table 13, in parallel wapplied to the cable of the connectors/plug connector 90° +/- 5°		N/A
ALC:	- rated current (A)	Write Write Mur. Mu.	N/A
A Electric	- lateral pull (N)	at at alt all	N/A
200 1	After the test:	WHILE AND AND AND	N/A
STEEL S	- the two parts are not detached	at at let let	N/A
n di Lite di	- parts providing protection against electric shock not loosened	or mer on the	N/A
- and	- live parts not become accessible	er antic mult must an	N/A
24	RESISTANCE TO HEAT AND AGEING		Р
24.1	Resistance to heat	White Music Music Music	2 P
JEK	Ball pressure test according to IEC 60695-10-2	at let let let	Р
	After the test: diameter of impression ≤ 2 mm	see appended Table 24.1	Р
24.2	Resistance to ageing		JULE P
24.2.1	General	2 1/2 1/2 2	Р
	Appliance couplers of elastomeric material or thermoplastic material shall be sufficient resistant to ageing	White white white wh	Р
24.2.2	Ageing test for elastomeric materials	CLIEB WIFE WALL WALL	N/A
Mr.LIER W	Appliance couplers of elastomeric material are kept for 240 h (10 days) in a heating cabinet at 70 $^{\circ}\text{C} \pm 2$ $^{\circ}\text{C}$	sifet whilet whilet	N/A
24.2.3	Ageing test for thermoplastic materials	et let let liet liet.	I P N
EX WALTER	Appliance couplers of thermoplastic material are kept for 168 h (7 days) in a heating cabinet at 80 °C ± 2 °C	The wifet whitet	P
24.2.4	Ageing test assessment	71 1 x x 0	P
and a	After the tests, samples show:	OLIER WALLE WALL WALL	o P
Let .	- no crack visible	a at at at	Р
in an	- no sticky or greasy material	LIE MILIE WALL WALL	Р
CEX JE	- no trace of cloth (forefinger pressed with 5 N)	e st st st	P
2/1	- no damage	MULL MULL MULL MI	Р
25	SCREWS, CURRENT-CARRYING PARTS AND CONNECTIONS		Р
25.1	General	Mury Aug Aug Au	Р
36	Connections withstand mechanical stresses	at the fifth of the	Р



Reference No.: WTX23D10218933Z001 Page 19 of 42

Clause	Requirement + Test	Result - Remark	Verdic
Clause	Requirement + Test	Result - Remark	verdic
TEET.	Screws and nuts for connection of conductor: in engagement with a metal thread	Must make the Less	N/A
	Screws for mounting parts of appliance coupler are not of the thread-cutting type	ALLE WALL MALL MAN	N/A
EK NITEK	Screws or nut for fixing the base of appliance inlet/appliance outlet on an appliance: any type is possible	THE WALL WALL WILL A	N/A
All the	Screws of insulating material: not used if they could impair insulation	Must have the to	N/A
My 1	Threaded parts tightened and loosened:	WITE WALL WILL WALL WALL	N/A
INLIEK WY	- one of threaded parts non-metallic material: 10 times	LIET SLIER MALTER MALTER	N/A
at a	- both parts of metallic material: 5 times		N/A
- Mer	Threaded part torque test	see appended Table 25	N/A
t set	During the test:	a de de la	N/A
n.	- not work loose	White while whi wh	N/A
TEX	- no damage	A 18 18 18	N/A
25.2	Electrical connections	White White White White	n b
ALTER 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	THE MALTER MALTER	W LIFE P
25.3	Securement connections	E LIE WITH WITH M	P
CLIEK	Screws and rivets are locked against loosening or turning	all the till all	N/A
TEX	Connections between terminals and other parts do not work loose in normal use	ant and an an	P
25.4	Metallic parts	With Murit Muri Muri	Р
iter whi	Current-carrying parts and earthing contacts: metal having adequate mechanical strength and resistance to corrosion	EX WHITEK WHITEK WHITEK	IF P
Alver	Parts subjected to mechanical wear are not made of steel with electroplated coating	WHITE WHITE WHITE WAS	Р
MUTTER A	Under moist conditions, metals having a great difference of electro-chemical potential are not used in contact with each other	INTEX WHITE WHITE WHITE	nn P
ve, an	Material used	LIE WITE WALTE WALTE	Р
Et le	- copper	a to at at	N/A
" " " " " " " " " " " " " " " " " " "	- alloy with at least 58 % copper for cold worked parts or at least 50 % copper for other parts	mite mill mil m	Р
with	- stainless steel with at least 13 % chromium and not more than 0,09 % carbon	MITER WALTER WALTER WALTER	N/A



Reference No.: WTX23D10218933Z001 Page 20 of 42

	IEC 60320-1		
Clause	Requirement + Test	Result - Remark	Verdict
onerrek on	- steel with electroplated coating of zinc (ISO 2081); coating thickness at least 5 μm (ISO Service Condition No. 1); thickness [μm]	White while while while	N/A
LIEK WAL	- steel with electroplated coating of nickel and chromium (ISO 1456); coating thickness at least 20 µm (ISO Service Condition No. 2); thickness [µm]	TEK MUTEK MUTEK MUTEK	N/A
ek walter	- steel with electroplated coating of tin (ISO 2093); coating thickness at least 12 µm (ISO Service Condition No. 2); thickness [µm]	MUNITER MUTTER MUTTER MA	N/A
WILLE	Checked by inspection or by chemical analysis	THE STEE STEE SKITE SKITE	Р
26	CLEARANCES, CREEPAGE DISTANCES AND SO	LID INSULATION	Р
26.2	Clearances	THE STEE WITE WHITE	JATA P J
26.2.1	Dimensioning	Le Proposition of the Propositio	P
MULT	Clearances: dimensioned to withstand the minimum rated impulse voltage of 2500 V	see appended Table 26	Р
26.2.2	Minimum values for clearances	TER STER STER SIN	Р
WALTEK V	Clearances for basic, supplementary and functional insulation: not less than the value specified in Table 16	see appended Table 26	P.K.
et re	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	WITE P
26.3	Creepage distances	E WILL MULL MULL MI	Р
26.3.1	Dimensioning		
TUP . WA	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	a m m	Р
it when	Creepage distances for basic, supplementary and functional insulation: not less than the value specified in Table 17	see appended Table 26	n Pun
WITEK	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	Mrs. Mrs. Mrs. Mrs.	Р
NLTE WIN	Solid insulation: capable of durably withstanding electrical and mechanical stresses	LIET WALTER WALTER WALTER	P
IEK WALTE	Distance through accessible supplementary solid insulation: ≥ 0,8 mm:	see appended Table 26	Life Par
TEX	Distance through accessible reinforced solid insulation:		e Pe
27/2	- ≥ 0,8 mm for rated impulse voltage 1500 V	WILL MULL WILL MULL	N/A
Let .	- ≥ 1,5 mm for rated impulse voltage 2500 V	a at at at	Р



Reference No.: WTX23D10218933Z001 Page 21 of 42

, and	IEC 60320-1	EL WILL MULL MALL W	Vr. Aller
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	TEX TEX TIER OUTE	Р
27.1.1	General	Ver All All All	Р
ex rev	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	y Pun
27.2	Resistance to tracking	WILL MULL MULL MI	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	EX WALTER WALTER WALTER	N SEE POST
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	N/A
29.2	Emission - Accessories not incorporating electronic components		N/A
t wites	These accessories do not generate electromagnetic disturbances; consequently, no emission tests are necessary	until unit unit u	N/A



Reference No.: WTX23D10218933Z001 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	General	ier with white white w	N/A
EK MUTLER	Appliance couplers according to this Annex E are suitable for ambient temperatures above +35 °C up to and including +90 °C	whilet whilet while	N/A
E.2	General requirements on tests	Let Litt Little William	N/A
E.2.1	General	ner me me	N/A
OLTER UN	Corresponding counterparts have.	THE THE STEET NITER.	N/A
4	- identical ratings (as per Clause 6)	12 24 24 24 24 24 24 24 24 24 24 24 24 24	N/A
TE. WILL	- identical classification (as per Clause 7)	H JEH STER WITE ON	N/A
E.3	Markings	The ship is a	N/A
WUTEK W	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 _a °C	N/A
E.4	Determination of t _a and the rated and derated current in relation to the ambient temperature	itek nitek	N/A
E.4.1	Determination of the maximum ambient temperature (t _a) for operation of the accessory at the rated current	Measured t _a	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	in min my	N/A
TER WIT	Appliance couplers shall be sufficient resistant to heat	EX WILLEX ANTIES AN	N/A
A TIEN	Ball pressure test according to IEC 60695-10-2 at 125	°C	N/A
1/1	After the test: diameter of impression ≤ 2 mm	see appended Table E.5.1	N/A
E.5.2	Resistance to ageing	the the the state	N/A
E.5.2.1	General	nr. mr. m. m.	N/A
VILLEY MU	Appliance couplers shall be sufficient resistant to ageing	TEX WILLEY WILLEY WILLEY	N/A
E.5.2.2	Ageing test for connectors/appliance outlets	t let let let let	N/A
MALIEK.	Connectors/appliance outlets are kept for 336 h (14 days) in a heating cabinet at 100 °C ± 2 °C The connectors/appliance outlets are in engagement	while while while while	N/A
5	with a corresponding appliance inlet/plug connector		Ser.
E.5.2.3	Ageing test for appliance inlets/plug connectors	the live out only	N/A



Reference No.: WTX23D10218933Z001 Page 23 of 42

Clause	Requirement + Test	Result - Remark	Verdic
Ciause	requirement rest	Nesuit - Nemaik	Verdic
CLEST.	Appliance inlets/plug connectors are kept for 336 h (14 days) in a heating cabinet at 100 °C \pm 2 °C	THE THE THE	N/A
E.5.2.4	Ageing test assessment	WELL MUE MUE MUE	N/A
itek wat	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	TEX WHITEK WHITEK WHITEK	N/A
20,	After the tests, samples show:	mer mer me m	N/A
NLTER.	- no crack visible	set set see see	N/A
4, ,	- no sticky or greasy material	MUT THE ME AND THE	N/A
NETER NI	- no trace of cloth (forefinger pressed with 5 N)	TEL TEL STEE STEE	N/A
	- no damage	in the the	N/A
ir whirek	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 NITER WHITE WHITE ON	N/A
J.	After the tests, samples show:	M. M. M. T.	N/A
WILL I	- no damage	LITER OLITER SPLITE WALTER	N/A
E.5.3	Resistance to tracking		
EK WALTE	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 LITER WITE WITE	N/A
	For standardized appliance couplers:	Mr. Mr. And Andrews	N/A
antin an	Type of cord:	THE STEE MILE WITE	N/A
itest anti	- according to the requirements of Table 9 and Table 10	Et TEX STEX SUTEX	N/A
EK JIEK	- but shall be of rubber or an equivalent elastomeric type	We the the	N/A
An LEX	- rated for a maximum conductor insulation temperature of +90 °C	Must Aug Mig And	N/A
11/2 1	For non-standardized appliance couplers:	WILL MULL MULL MULL	N/A
TEN	Type of cord:	at at at all	N/A
Ex E	- shall be of PVC, rubber or an equivalent elastomeric type	The water was a	N/A
MULL	- rated for a maximum conductor insulation temperature of +90 °C	A WILL MULLE MULLE ME	N/A



Reference No.: WTX23D10218933Z001 Page 24 of 42

Victoria Muria	Mur. Mur. Mur. on	IEC 60320-1	LIES WALTER WALTER WALTE	Mury Mury
Clause	Requirement + Test	MUT, MI M.	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 7164 - 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) (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° ≥ 7,0°	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 _{int} i	2 7 ≤	>100 MΩ
g)	for connectors, between each contact in turn and the others connected together	TEK FITER	≥ 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)	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.: WTX23D10218933Z001 Page 25 of 42

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

15.3	TABLE: Dielectric strength			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	NATER WALTE
b)	for appliance inlets with a connector in engagement, between each pin in turn and the others connected together	F	1500	STEK -TEK
c)	for appliance outlets with a plug connector in engagement, between the current-carrying contacts connected together and the body	R	3000	WALTER ON
d)	for appliance outlets without a plug connector in engagement, between the current carrying contacts connected together and the body	R	3000	Whites whit
e)	for appliance outlets with a plug connector in engagement, between each pin in turn and the others connected together	TEF 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	Mur - Mu
i)	for plug connectors, between each contact in turn and the others connected together.	anti F mi	1500	ynliter while
Addit	ional test for rewirable connectors and plug connectors:	* *	. Let	TEN TEN
j) ^{est}	for rewirable connectors, between any metal part of the cord anchorage, including clamping screws, and the earthing contact or earthing terminal	BIN BIN	1500	est with the
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	1500	united unit
l)	for rewirable plug connectors, between any metal part of the cord anchorage, including clamping screws, and the earthing contact or earthing terminal	INCT B WITE	1500	ustro u ncit
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 BUTE	1500	Muritin M.

Waltek Testing Group Co., Ltd. http://www.waltek.com.cn



Reference No.: WTX23D10218933Z001 Page 26 of 42

Š	THE WAITE	Mary Aug Aug M.	IEC 60320-1	IEC 60320-1		
×.	Clause	Requirement + Test	MUTLE ME MIL	Result - Remark	Verdict	

16	TABLE: Force necessary to withdraw th	e connec	ctor / appliance outlet	Р
111 211	Type of connector / appliance outlet [A]		Non-rewirable connectors/plug	_
LIEK WALTE	7		Dimensions for non- standardized	_
16.2	Verification of the maximum withdrawal force		and the set of	Р
Sample N°	Maximum withdrawal force (multi-pin gauge) [N]		nector / appliance outlet did not n in the appliance inlet / plug connector (Y/N)	WILLIE CONTRACT
2, -	50	it me up in		Р
NETE - MET	50	of the Yet atternation		P
+	50	her the the A		P
16.3	Verification of the minimum withdrawal f	force	et tet still with an	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)	. Inti
	1.5 (et 17th 1812)	MULL	The AL OF THE	Р
WITE WI	1.5	-C+	Tet Yet after after	P
· - ·	1.5	Marie 1	The All All	Р

19	TABLE: Breaking capacity					
. 3	Rated current [A]		2.5A	115 211 24	_	
- 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.: WTX23D10218933Z001 Page 27 of 42

THE WALLE	min me me me	IEC 60320-1	Et WILL AUTER ANTER AN	ite Mili
Clause	Requirement + Test	141 24	Result - Remark	Verdict

20	TABLE: Normal or	peration			at let let	Р
m, m	Rated current [A]		:	2.5A	Mer. Mer.	
LIEK MITE	Rated voltage [V]	•••••	:	250V	TEK STEK	
Sample N°	Test voltage [V]	Test current [A]		ver factor cos Φ]	Number of strokes	
Mr.	In In	Test conditions for	0,2 A con	nectors	WE MUE MUE	20
The s	WIER WILL MILL	Muri Alur M.	722		4000	
14 14.		ALL THE MITT	MILTE	The The	4000	100
راري <u>د المالي</u>	Santification of	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	P
, <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.: WTX23D10218933Z001 Page 28 of 42

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

			-21, /
tion or disconnection tested	Type of insulation	Test voltage [V]	Flashover / breakdown (Yes/No)
for appliance outlets with a plug connector in engagement, between the current-carrying contacts connected together and the body	unti R	1500	Nite White
for appliance outlets without a plug connector in engagement, between the current carrying contacts connected together and the body	R	1500	- JUNES -
for appliance outlets with a plug connector in engagement, between each pin in turn and the others connected together	wF.	750	711 - 711
for connectors, between the current-carrying contacts connected together and the body	uni R un	1500	No
for connectors, between each contact in turn and the others connected together	SUIE TOUT	750	No
nal test for rewirable connectors and plug connectors:	it let	JEK J	ER WITER
for rewirable connectors, between any metal part of the cord anchorage, including clamping screws, and the earthing contact or earthing terminal	В	750	WULLET ON
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	В	750	MITEL WALTE
	for appliance outlets with a plug connector in engagement, between the current-carrying contacts connected together and the body for appliance outlets without a plug connector in engagement, between the current carrying contacts connected together and the body for appliance outlets with a plug connector in engagement, between each pin in turn and the others connected together for connectors, between the current-carrying contacts connected together and the body for connectors, between each contact in turn and the others connected together mal test for rewirable connectors and plug connectors: for rewirable connectors, between any metal part of the cord anchorage, including clamping screws, and the earthing contact or earthing terminal 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	for appliance outlets with a plug connector in engagement, between the current-carrying contacts connected together and the body for appliance outlets without a plug connector in engagement, between the current carrying contacts connected together and the body for appliance outlets with a plug connector in engagement, between each pin in turn and the others connected together for connectors, between the current-carrying contacts connected together and the body for connectors, between the current-carrying contacts connected together and the body for connectors, between each contact in turn and the others connected together nal test for rewirable connectors and plug connectors: for rewirable connectors, between any metal part of the cord anchorage, including clamping screws, and the earthing contact or earthing terminal 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	for appliance outlets with a plug connector in engagement, between the current-carrying contacts connected together and the body for appliance outlets without a plug connector in engagement, between the current carrying contacts connected together and the body for appliance outlets without a plug connector in engagement, between the current carrying contacts connected together and the body for appliance outlets with a plug connector in engagement, between each pin in turn and the others connected together for connectors, between the current-carrying contacts connected together and the body for connectors, between each contact in turn and the others connected together nal test for rewirable connectors and plug connectors: for rewirable connectors, between any metal part of the cord anchorage, including clamping screws, and the earthing contact or earthing terminal 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



Reference No.: WTX23D10218933Z001 Page 29 of 42

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

21	TABLE: Temperature rise					
" " " " " " " " " " " " " " " " " " "	Non-rewirable connectas delivered	ctors/plug connecto	rs are fitted with cords	Non-rewirable	_	
7 74	Rewirable connectors according to Table 9		re fitted with cords al according to Table 8	Milli Auri M	_	
in the	Appliance outlet are f	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		Р	
21/2 - 21/2	5	0 /L /	Y		Р	
16th- 15th	5	0	Y		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	
2412 14	_ 1	5	Y The Market Y	KLI WILL WILL	√nP	
	A 15 15	5	Y		P	



Reference No.: WTX23D10218933Z001 Page 30 of 42

MULT	Aller Aller Aller Aller	IEC 60320-1	TIE MUTI MUTI
Clause	Requirement + Test	Result - Remark	Verdict

Supplementary information:

22.1		TABLE: List of	cords connecte	ed to non-rewirable co	nnectors/plug	connectors	N/A
	1	Type of cord	Nominal cross- sectional area [mm²]	Manufacturer / Marking on cord	Approval No.	Type of approval (HAR or others)	Date of issue
	N. C. C.	JEK - STEEL W	IT'S MILITY W	12. 14 14.	1 - xt	, , ,	EF - JEK
110	- 711	20, 20,		of the the	LIE THE	inci - ini	Th.

22.2.3	TABLE: Pull test for ca	L St	N/A			
Sample N°	Torque applied on clamping screws of cord anchorage (2/3 of Table 13) [N m] (only for rewirable constructions):					
	Type of cord	Nominal cross- sectional area [mm²]	cross- sectional (100 times) area [N]	Torque (1 min) [N m]	Displace- ment of cord [mm]	MILIER S
in The	V Y A Y J A	\ d 3		- mr		-10
CEL -CEL		(- ra)	- C		, (24	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.: WTX23D10218933Z001 Page 31 of 42

Victor Muri	Mur. Mur. Mur. on	IEC 60320-1	LIES WALTER WALTER WALTE	Mury Mury
Clause	Requirement + Test	MUT, MI M.	Result - Remark	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 alle	nite - mit	MUL	- mr	14 - 24	-2, -
200	Constitution of the same	2/1,		20		1th - 1th	J. J. C.

23.3	TABLE: Lateral pull test				
LIER	After the test: comply with 16.3				
16.3	Verification 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	BLE: Impact resistance			
Surfac	ce tested	Impacts per surface	Impact energy [J]		
Shroud (4	places)	3x	0,5	√/P	
Supplemen	ntary information	on: The man with the same	We are the state of the	. LEX	

24.1	TABLE: Resistance to heat – Ball pressure test					
in any	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	Black	125	1.0 Miles	P
Connector support pa	A TRANSPORT OF THE PARTY OF THE	SABIC JAPAN L L C	Black	125	1.1 1.1 1EF	IN LET P
		- lit litt still m	1077	715 -7112	20, 20,	



Reference No.: WTX23D10218933Z001 Page 32 of 42

Var min	My My My	IEC 60320-1	EL MIER WHITE WHITE WAS	7112
Clause	Requirement + Test	Mr. M. M.	Result - Remark	Verdict

25	TABLE: Screws, current-currying parts and connections - Threaded part torque test					
	hreaded part dentification	Diameter of thread [mm)	Column number (I or II)	Applied torque [N m]	Number of operations (5 / 10)	
- White	Mur. Mur.	10. 20.	- 18th 18	- 118 1 111	NICE WILL	74/1
	it it	CENT LIE SLIFE	Mrs Mrs.	1112 - 12		,

26	TABLE: Clearance, creepage distance and solid insulation				
	Requirements clearance, creepage distance met				
Lie ar	Rated voltage [V]:	AC 250	_		
4	Overvoltage category:	711 111	_		
MALT	Rated impulse voltage [V]:	2500	_		
	Pollution degree:	2	_		
MUCI	Material group:	White White White white	_		

Table 26.2 + 26.3 Clearances and creepage distances

Turn of the state of	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	MAL 1.5 WILL	>5.0	2.5	>5.0	
Basic insulation L-N- Contact Earthing contact	1.5 pt 1.5	3.0	2.5	3.0	
Supplementary insulation L-N-Contact Accessible surface (unearthed)	LIET 1.5 TEX W	LIEK WILLER WILL	1.8	MULT THE O	
Reinforced insulation L-N-Contact Accessible surface (unearthed)	3.0 w	>5.0	5.0	>5.0	

Supplementary information: **Table 26.4 Solid insulation**

	26.4 Solid reinfo	orced insulation [mm]	
Type of insulation	Required	Measured	TER JULIE WHITE AND AND AND
L-N-Contact Accessible surface (unearthed)	0.8	1.1	



Reference No.: WTX23D10218933Z001 Page 33 of 42

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

27.1 T	ABLE: Resistance to heat a	E: Resistance to heat and fire – Glow-wire test					
Part under tes	t 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 suppo part	SABIC JAPAN L L C	750	MALTEN	mon m	N	Р	
Inlet Body	SABIC JAPAN L L C	650	JET NORT	J. 50° D. 5	N	w P	
Connector live	part SABIC JAPAN L L C	750	N	0	N	P	
Connector Boo	y SABIC JAPAN L L C	650	et Net	JE 0.JE	Ñ	W P W	

27.2	TABLE	ABLE: Resistance to tracking					Р
Nur		er of drops	: 50 (5x)			CLIEF WILL	WILL
Part und	ler test	Material designation	Test voltage [V]	bre	shover / eakdown ⁄es/No)	Material group	
Insert	CTE NO.	- /22, 240,	175		No	cet -cet	WELL OF
Moulding	material	- V / A V	175		No Sur	75. 7	a

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.: WTX23D10218933Z001 Page 34 of 42

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

E.4.2		E: Determination of the de eratures above t _a	rated operat	ing curren	ts for ambie	nt-	N/A
		current [A]		.:	4/2 4/1	t at	_
		Temperature at terminals [°C]		e measure t rated curr	d at heating ent t _a [°C]	Rated c	
MULT	Mer	90	L JET	Street St	JEK OLIER	WILL WILL	2/1/2
	ature at	Temperature of heating cabinet t _a + steps of 5 °C	Temperature measured at heating cabinet at rated current t _a [°C]			Measured current	
- Jan	t	et tet -tet street		Sample-No)		*
NETE SUP	ris and	44 44 44 44	1	2	3	Et JALIE	inin.
9	0-	t _a + 5°C	WrWr	21/2.	7, 2,	- J.	24
9	0 200	t _a + 10°C	A A	Cart.	JER - LIE	10 TE 10	الق
9	0	t _a + 15°C	21	1/15 - 1/1	4	* 7	+ 4
70° 9	0000	t _a + 20°C		. 17 ⁶⁷ 11	11-11-	Will Mill	2/1/2
<i>(</i> 9	0	t _a + 30°C	10,00	- 4	-	et et	TEN
9	0 ~	t _a + 35°C	JE J	18 11 11 15 15 15 15 15 15 15 15 15 15 15	Write M	11/2	211-
9	03	t _a + 45°C	2		1-1	+ TEX	CIEN
9	0	t _a + 50°C	LITER LITE		- 10 m	11/2 11	- 4
9	0	t _a + 55°C			7-74	JEN J	EK IN
9	0	t _a + 60°C	Contract of the second	uner - wh	. 100	211. 211.	- 24,



Reference No.: WTX23D10218933Z001 Page 35 of 42

TCICICIOC	140 W 17420D 102 100002001	1 age 66 61 42	
The Willy		IEC 60320-1	rift write writ
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.: WTX23D10218933Z001 Page 36 of 42

	AS/NZS 60320.1				
Clause	Requirement + Test	Result - Remark	Verdict		
AS/NZS 6	0320.1:2012	TEX MITER MALIER WALTER WAS	All C		
APPENDIX NEW ZEA	X ZZ - VARIATIONS TO IEC 60320-1, Ed.2.1 (2007) F LAND	FOR APPLICATION IN AUSTRAL	IA AND		
16.1	In the first dash point, add the following to the first li	ne after '16.2':	All the		
in me	or by the test of 16.201	Will will suprison with the same of the sa	415 41		
16.2.201	The following test is considered to be a suitable alte Clause 16.2:	ernative to the test of	LIEK PULT		
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.	Whitek whitek whitek whi	EK PIEK WALTEK		
un un Litest un Lit Litest un Lite	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 whitek whitek whitek w	MITEL MY		
whitek v	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 PL		
NITE WALTE	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—	TE WHITE WHITE WHITE	N/A		
CLIER	(a) 120 ±2°C for connectors for hot conditions; and	of the the with all	N/A		
- J	(b) 155 ±2°C for connectors for very hot conditions	Mr. Mr. M. M.	N/A		
17. ⁵	Add the following sentence at the end of the third paragraph				
LIEK WALT	The 'Test of Earthing Connection' in AS/NZS 3100 may be applied as an alternative to the test of Clause 21.	WILEY WILLEY WHILEY	N/A		
19	Add the words 'or brass pins' after the words 'hardened steel pins' in second line of third paragraph.				
, et	Delete last sentence of third paragraph.	n v	y -		
م المال	Insert the following new paragraph after the third pa	aragraph:	m.		
NETER WIN	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).	MUTER MUTER MUTER MUTER	MILIEK WA		
21	Add the following sentence at the end of the fourth	paragraph:	TER WILLE		
JEN TO	Alternatively, the connector is inserted into an appliance inlet complying with this Standard.	Who will the TE	N/A		



Reference No.: WTX23D10218933Z001 Page 37 of 42

y, Why.	AS/NZS 60320.1	Vr. Cal.	
Clause	Requirement + Test Result - Remark	Verdict	
Mir	Add the following text to the end of both the fifth and sixth paragraphs:		
JEK.	until the temperature is stabilized.	Р	
22.4	Table 6 Add the following new Note:		
ilitek _W ali Ek alite	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	
-20.	Delete the words 'for non-rewirable connections' from the last paragraph.) - K	
23.2	Delete the last sentence from the fifth paragraph.		
	Insert the following new paragraph before the Note:	t	
Mrite M	In particular, the following shall be checked by inspection:	m ^C P	
TEK WALT	(a) Live parts shall not be exposed so as to impair compliance with Clause 10.	ntre Pun	
ynliek Viek	(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.	TEK PIT WALTER	
MELEK ME	(c) Any other function affecting safety shall not be impaired.	P	
	(d) No part shall have become detached or loosened to the extent that a hazardous situation is created.	JIP P V	
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	et let
ZA1	INTRODUCTION		u P
WALTER O	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.	MILIER MULIER MULIER MULIER	MITEL MAI
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 WALTER WALTER WALTER WAY	WALTER W

Waltek Testing Group Co., Ltd. http://www.waltek.com.cn



Reference No.: WTX23D10218933Z001 Page 38 of 42

Clause	Requirement + Test	Result - Remark	Verdict
ZA2	ADDITIONAL REQUIREMENTS	E NITE MITTER	AL AB
Scope	Appendix ZA is applicable to appliance couplers classified as Group 2 with rated voltage not exceeding 250 V and for a	Whitek multer whitek	WALTE WATER
	current rating not exceeding 63 A.	ALIEK WHITEK WALTER W	LITER MALTER W
3.202	Group 1 appliance coupler	LIK TEK TEK	N/A
MULTER	An appliance coupler that complies with the Standard Sheets C1 to C24 contained in the body of the Standard.	t with my and the	N/A
3.203	Group 2 appliance coupler		P
TEK MUT.	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	antie while whitek wh	TEK NITEK NI
y Walifik	NOTE Typical applications for a Group 2 appliance coupler is with frying pans where the connector has an in built thermal control.	EX MILIER MILIER MILIE	N/A
6.201	Group 2—Couplers are rated at any value not exceeding 63 A This Clause applies with the following addition:	Whitek Whitek Whiteh	WHITE WAS
7.1.1	Add the following dash point	Mr. W	P V
TEX WITE	The temperature class assigned by the manufacturer, with a minimum of 70°C for Group 2 appliance couplers.	TE WATE WATE	EF STEFP
8.1	Add the following dash point:	of the street outer	P
MUTTEK M	The temperature class assigned by the manufacturer, for Group 2 connectors having a temperature classification above 70°C.	witek whitek whitek	MULTER WALTER
8.2	Add the following paragraph:	a at alt	THE STEP
	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.	NITE WHITE WHITE WALT	N/A
9.1	Delete existing text and replace with the following:	- it let let	P
MILLER AND	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.	while whitek whitek w	NITER WILLER
	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.	EX WHILE MUTER WHILE	P III



Reference No.: WTX23D10218933Z001 Page 39 of 42

AS/NZS 60320.1			
Clause	Requirement + Test	Result - Remark	Verdict
Whi.	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 whitek 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	WATER WAL
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 MILITA
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	MILIER WALTER
9.4	Add the following dash point	Mus. M. M. M.	Р
	Group 2 connectors with appliance inlets having a temperature class greater than that of the connector.	The function white	MALI P W
9.5	Add the following paragraph	LIER WHILE MULT MULT.	P
	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	I EK PITE
9.6	Add the following paragraph:	TEK TEK NITEK MIT	N/A
TEX WILLEY	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 tret with	N/A
WALTER	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.: WTX23D10218933Z001 Page 40 of 42

Clause	Requirement + Test	Result - Remark	Verdict
13.12	Replace the first paragraph with the following	A WILL WILL MULL	N/A
Mariek M	Fuses shall not be incorporated in Group 2 connectors.	ALTER ORLIER MALTER	N/A
15.3	Add the following after the third paragraph:	20, 2, 7 %	N/A
	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 WITE WALL 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
	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.	et white white whit	N/A
18.2	Add the following to the first paragraph:	Mrs. Mrs. Mrs.	N/A
NITER WAL	Group 2 rewirable connectors are fitted with the appropriate flexible cord specified by the manufacturer.	The first of	N/A
Mer	The temperature class assigned by the manufacturer ±2°C for Group 2 connectors;	TE WILL MILL AND	N/A
18.3	Add the following to the first paragraph:	the little stiff south	N/A
CLIER OF	The temperature class assigned by the manufacturer ±2°C for Group 2 appliance inlets;	All An Andrew	N/A
22.1	Add the following after Table 4:	aur aur au	Р
LIE WALTER WALTER WALTER	For Group 2 non-rewirable connectors, the flexible cord shall—	NIFEK WALTER WALTER W	ILIE NOTE P.M
	 (a) be not lighter than light-duty type for connectors rated at ≤7.5 A; (b) be not lighter t han ordinary type for connectors rated at >7.5 A; (c) have a nominal cross-sectional area appropriate for the rating and length of the cord; and (d) be of the appropriate temperature class. 	<7.5A	TEX PALE WALTER WALTER
22.3	Add the following after Table 5:	TEX STEEL WITE WY	N/A
MULTER	Group 2 rewirable connectors are fitted with the appropriate flexible cord specified by the manufacturer, and complying with AS/NZS 3191, Electrical flexible cords.	A MULTER WALTER WALTE	L N/A



Reference No.: WTX23D10218933Z001 Page 41 of 42

AS/NZS 60320.1			
Clause	Requirement + Test	Result - Remark	Verdict
Whi.	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.	White white white	N/A
LIEK WAL	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.	SLICE WILLER WILLER	N/A
22.4	Add the following after Table 6:		N/A
WITEK	Group 2 rewirable connectors are fitted with the lightest duty flexible cord recommended by the manufacturer.	t let tee tee	N/A
INLIEK UI	Group 2 rewirable connectors are fitted with the lightest duty flexible cord recommended by the manufacturer.	with with with	N/A
TEX WILL	For Group 2, the smallest and largest nominal cross-sectional area conductors, as recommended by the manufacturer, are used.	LIER WALLER WALLER WA	N/A
LIE CLIER	This Clause applies with the following addition:	at let let de	N/A
MALIER W	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 winter whitek	N/A
	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 MILIE MILIE MINI	N/A
27.1.2	Replace the last paragraph with:	ALTER WALTER WALLE	N/A
	NOTE Decorative trims, wiring insulation, knobs and other small parts unlikely to be ignited or to propagate flames are not tested.	MUNITER MULTER MULTER	N/A



Reference N	No.: WTX23D10218933Z001	Page 42 of 42	40.	
TE MALLY		AS/NZS 60320.1	EX LIEX SLIER ON	ITE WALL WALL
Clause	Requirement + Test	CALTER WALL WIR	tesult - Remark	Verdict

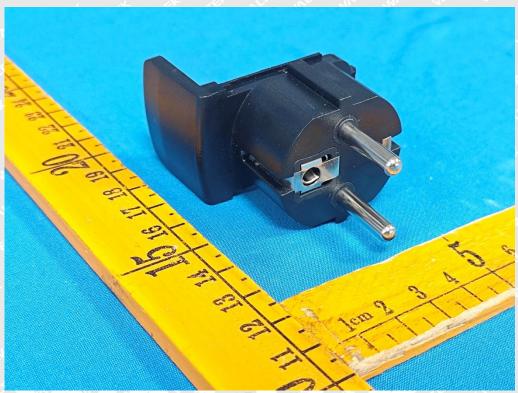
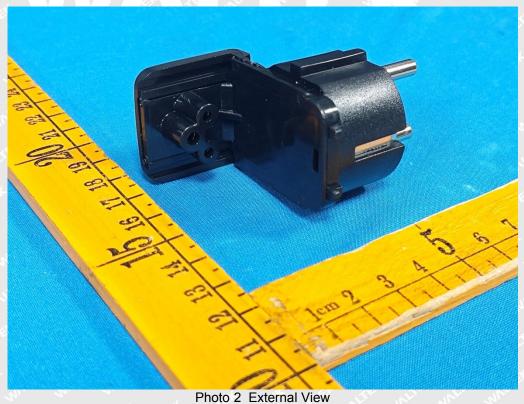


Photo 1 External View



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