



# **TEST REPORT**

Reference No		WTX23D10218932Z001
Applicant	411	GlobTek, Inc.
Address	NITE.	186 Veterans Dr. Northvale, NJ 07647 USA
Manufacturer		GlobTek, Inc.
Address		186 Veterans Dr. Northvale, NJ 07647 USA
Product Name	Ļ:	Blades-R
Model No	an	R-EU-2
Total pages	. (1	42 Pages
Standards	oin. Liek	<ul> <li>☑ IEC 60320-1: 2021</li> <li>Appliance couplers for household and similar general purposes –</li> <li>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
Test Result		Pass <sup>n</sup> Life <sup>k</sup> Life <sup>k</sup> Life <sup>k</sup> Multiple multip multiple multiple multiple multiple multiple multiple multiple

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.

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

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Dave Feng / Project Engineer	Sam Qi / Designated Reviewer



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

The product with models R-EU-2 is Plug 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.

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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>



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Possible test case verdicts:	WILL MALL MALL MALL MALL MALL MALL MALL M
- 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	with my my my my
Date of receipt of test item	2023-10-18
Date (s) of performance of tests	2023-10-18 to 2023-11-15
General remarks:	with with much much an an a
"(See Enclosure #)" refers to additional information a "(See appended table)" refers to a table appended to tent the second of	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 let the the title of
Products covered by this test report are Connector The product Rating(s):250V~,50-60Hz, 2.5A	



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

8	MARKING		Р
8.1	General	were mer me	Р
THE .	Appliance couplers are marked with:	. It let let	Р
it 1	- name, trademark or identification mark of the manufacturer or responsible vendor	bbTek, Inc.	Р
200	- type reference R-I	EU-2	Р
8.2	Additional markings	it it it it	Р
"Cit	Standardized connectors/plug connectors in accordance non-standardized appliance couplers are additionally materials.		THE P
1000 3	- rated current (A) (except 0,2 A connectors) 2.5	iA nii nnii nnii n	Р
A.	- rated voltage (V)	0V	₽ P
21/2	- symbol for nature of supply ~	WILE WILL MILL MY	Р
k MALTE	- marking to identify the type of conductors suitable for screwless terminal:	LIEK OLIEK OLIEK MAIE	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	EL WALTER WALTE WALTE	Р
8.4	Symbol or alphanumeric notations	NITE MITE N	P
	Correct symbols are used	2 1 1 1 2 2	P
MIL	Marking for the nature of supply placed next to the marking for rated current and rated voltage	WILL MULTER MULTER MILE	Р
8.5	Legibility of marking	TER TER THE WITE	Р
TEX	Connectors/plug connectors: Marking according to 8.1, is still easily discernible	t lit lit lit	P
8.6	Terminal markings and wiring instructions	Mur. Aur. Aur.	N/A
TEK WY	Terminals, in rewirable non-reversible connectors/plug co follow:	nnectors, are indicated as	N/A
ik Walife	- earthing terminal: [earth symbol, earth symbol in circle or PE]:	strek Strek Milek White	N/A
1	- neutral terminal: N:		N/A
WAL!	Conductor, in non-rewirable polarized connectors/plug connectors are connected as specified in 22.1	THE WALTER WALTE WALL	N/A
iek mur	Appliance inlets/appliance outlets, other than those integrated or incorporated in an appliance or equipment, have terminal markings to correspond with this subclause	nnifek waitek waitek wai	N/A
LITE!	Rewirable connectors/plug connectors are supplied with	the following instruction:	N/A
20,	- method of connection of the conductors:	in the the	N/A
CEE	- method of the operation of the cord anchorage:	et let let let	N/A



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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	JUNEY PL
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 MILIER	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



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IEC 60320-1			
Clause	Requirement + Test	Result - Remark	Verdict
antitek an	Standardized appliance couplers shall comply with the relevant standard sheets according to IEC 60320-3	MULT MILE MILIER MILE	N/A
9.5	Dimensions for non-standardized appliance couple	ers	P
EX VILEX	Non-standardized appliance couplers are acceptable if do not adversely affect the purpose and safety of standardized appliance couplers	tet white white white	ul Pul
UNLIFEE 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	whitek muttek whitek whi	EL WALTER
	No changes which adversely affect the contact-making ability		ALL PA
ANNTER TO	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	Whitek Whitek Whitek Wh	IN PAN
White 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 WHITER WHITE	WALTER W
EK WALTER	It is not possible within a given system to make connectintended position or to make partial connections causiful impair the further use of the appliance for:		NI EK P
- LET	- a connector and associated appliance inlet	at the state of	Ø B <sup>Ø</sup>
Mr	- an appliance outlet with the associated plug connector	Marie Marie Marie Marie	P
10	PROTECTION AGAINST ELECTRIC SHOCK		Р
10.1	Accessibility of live parts		P.
* 24	Live parts of appliance couplers are not accessible when in partial or complete engagement	ex write write white	W P
MULLI	Live parts of connectors/appliance outlets are not accessible	WALLEY WALLES WALLE WA	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		MIN P
10.2	Protection against single pole connection	2115 211 211	Р
L WALLEY	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	Y WALTER WALTER WALTER OF	NE PA
10.3	Protection against access to live parts	24. 24. 25.	P



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-21,	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			
MULL	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			
EX MITEX	The possibility to disconnect the conductor is not allowed	L P			
13	CONSTRUCTION	Р			
13.1	Risk of accidental contact	n 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	P			
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			
1	Position shall be set out as in Table 1:	N/A			
Will al	Connectors:	N/A			

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- 20,	IEC 60320-1	in the time of	
Clause	Requirement + Test	Result - Remark	Verdic
-21/2	- earthing contact: in a symmetrical arrangement	mit mit mit win	N/A
WITE OF	- line contact: lower right-hand position	TEX TEX STEE OUT	N/A
<del>)</del>	- neutral contact: lower left-hand position	her me me m	N/A
CLE MULL	Plug connectors:	TEX LIER NITER OUTER	N/A
<u>.</u>	- earthing contact: in a symmetrical arrangement	The said of	N/A
White	- line contact: lower left-hand position	LITER OLITER WHITE ON	N/A
et-	- neutral contact: lower right-hand position	24, 24,	N/A
mr. 1	In non-reversible appliance couplers not complying w IEC 60320-3:	vith the standard sheets of	Р
NITE WA	- Verification of the correct polarization	TEX TEX STEE WITE	P.
13.3	Parts covering live parts	6. M. M. M.	Р
TEX MALTE	Adequately locked against loosening	City Tiest William William	n' Pi
L 34	Test: Inspection and tests of Clause 18, 20 and 23	111 111 111	L P
13.4	Pin construction	LITER NETER WITE WA	Р
13.4.1	Prevention of rotation		( P
MUT. M	Pins and contacts adequately locked against rotation	Write Militar Militar Militar	P P
13.4.2	Pin retention	CHE STIFF MITTER	ny str Py
اد ب	Pins of appliance inlets/plug connectors:	1 1 1 1 1 1	P
Mill	- are securely retained	THE METER SPETTE IN	P.
et	- have adequate mechanical strength	70	P
ALT.	- it is not possible to remove them without the aid of a tool	WHITE WHITE WALL WA	, I P
William.	- are surrounded by a shroud	TEX LIEX WIFE WIFE	P
	- are not protrude beyond the rim of the shroud	1 10 10 10	Р
iles Muri	Test for security of pin retention	TEX LIFE NITER INCIDE	n Bu
H JIEN	- heating of the sample 60 +5/0 min, test temperature (°C)	70℃;60min	<u> </u>
	- each pin subjected to a force of 60 N ± 0,6 N for 60 s + 3/0 s	60N;60s	Р
اله المالي	- force applied in direction away from the base	CHIEF WILLER WHILE WHI	NL P
<u> </u>	- force applied in direction towards the base		Р
ne, me	During the test on any pin there is no movement exceeding 2,5 mm	0.3mm	P
ier on life	5 min. after removal of test force, pins remain within:	Et TEX LIER SLIFER	Pri Pri
- JES	- for standardized appliance couplers, the tolerances of the standard sheet	The sun sun	N/A
211	- for non-standardized appliance couplers, as	with whi we wi	Р



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Clause	Requirement + Test Result - Remark	Verdict
13.4.3	Non-solid pins	Р
13.4.3	Test for non-solid pins	J.VP
- 11 - 11 - 11 - 11 - 11 - 11 - 11 - 1	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
er lik	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	P
ilek "Ville	Contacts of connectors/appliance outlets are self- adjusting so as to provide adequate contact pressure	P
k whitek	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	Р
13.6.1	General	Un P
NITEK WAL	Parts of the body of connectors/plug connectors are reliably fixed to one another	ILITEYP IN
13.6.2	Rewirable connectors and rewirable plug connectors	N/A
MUL	It is not possible to dismantle the connector/plug connector without the aid of a tool	N/A
MULTER	Terminals and the ends of cord - completely enclosed by the enclosure	N/A
LITET O	Construction is such that conductors can be properly connected and is unlikely that:	N/A
alik (1	- cores are not pressed against each other causing damage	N/A
ik "Cik E. Alle	- cores of live conductor not pressed against accessible metal parts	N/A
Mrs	- core of earthing conductor not pressed against live parts	N/A
AND THE A	It is not possible to assemble the rewirable connector in such a way that terminals are enclosed and contacts accessible	N/A
iek nie	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
1/1	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



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Clause	Reguirement + Test Result - Remark	Verdict
7/1/2		7/1/2
	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	P
TIL AVE	Accessories are such that:	P
EK WALTER	- flexible cable cannot be separated from the accessory without making it permanently useless	I H PI
NLIEK.	- accessory cannot be opened by hand or by using a general purpose tool	P
13.7	Earth connection	N/A
NITE UN	Earthing contact/earthing pin of connector/plug connector is fixed to the body	N/A
TEK WILTS	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	N/A
LEX.	Metal part of appliance coupler, designed that corrosion do not impair safety	N/A
NITEK IN	Connection between earthing contact/earthing pin and earthing terminal is of metal resistant to corrosion	N/A
13.8	Location of terminals and terminations	Р
13.8.1	General	Р
WALTEK.	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
ilek muri	Non-rewirable moulded-on accessories are provided with means to prevent loose wires of a conductor from reducing the minimum isolation distance requirements	ni P
13.8.2	Free wire test for rewirable accessories	N/A
MULL	Test with 6 mm free wire of in every possible direction	N/A
Whitek 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
NITEK WA	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
ans.	Test with a free wire of length equivalent to the maximum designed stripping length	N/A



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200	IEC 60320-1	The Me M. A.	
Clause	Requirement + Test	Result - Remark	Verdic
MUSTIFIE AND	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 whitek whitek white	N/A
LIFER WALF	Free wire of a conductor connected to an earth termination does not touch any live part	FEX WILLER WALTER	N/A
13.8.4	Free wire verification for non-rewirable moulded-on accessories		
-MALTER V	Verification of means to prevent stray wires reducing the minimum distance through insulation to external accessible surface below 1,5 mm	THE STIEF WITH SHE	N/A
13.9	Connectors/plug connectors without earthing cor	ntact	Р
	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	STER WHITE WHITE WHITE	MILEY WIN
13.10	Fuses, relays, thermostats, thermal cut-outs and switches		
UND	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
ni whi	Fuses, relays, thermostats and thermal cut-outs incorporated in appliance inlets and appliance outlet comply with the relevant IEC standards	ned whe whe will the	N/A
at al	Switches comply with IEC 61058-1 (all parts)	-1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 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:		
intite on	- 168 h (seven days) for appliance coupler with earthing contacts	LIER WHITER WHITER WHITE	N/A
ITER INIT	- 48 h (two days) in all other cases	Et TEX JEX STER	TE P
Et JEH	After this treatment the test sample show no damage	and the text	Р
15	INSULATING RESISTANCE AND ELECTRIC STRE	NGTH	Р
15.1	General	at alt alt of	P
All A	Adequate insulation resistance and dielectric strength for appliance coupler	and any one of	P
15.2	Insulation resistance	LIE MALL WALL MALL	7 P 1
TEX WHITE	The insulation resistance measured 60 s $\pm$ 5 s after application of 500 + 50 V d.c.	see appended Table 15.2	NI EK P
15.3	Dielectric strength	s st st	e Pe
an,	Electric strength: a.c. test voltage applied for 60 s ± 5 s	see appended Table 15.3	P



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Clause	Requirement + Test	Result - Remark	Verdict
16	FORCES NECESSARY TO INSERT AND TO WITH CONNECTOR/APPLIANCE OUTLET	DRAW THE	Р
16.1	General	WILL MAIL MAIL MAIL.	Р
ILEK WAL	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		
16.2	Verification of the maximum withdrawal force	F ITEX SLIEN WITE WITE	Р
	For standardized appliance couplers: gauge is used	m m m	_
ALTER A	For non-standardized types: the counterpart as specified by the manufacturer is used	WHITE WHITE WHITE WHITE	_
INLIE WY	The connector/appliance outlet shall disengage within 3 s from the appliance inlet/plug connector	see appended Table 16	P
16.3	Verification of the minimum withdrawal force	at lest left lifet as	P
20,	For standardized types: test pin gauge is used	me, me m. m.	_
WALTER	For non-standardized types: test pin with minimum dimensions as specified by the manufacturer is used	MILITER WALTER WALTER WALTE	_
NATEK W	The test pin did not fall from the contact assembly within 3 s	see appended Table 16	P
17	OPERATION OF CONTACTS		Р
	Contacts and pins of appliance couplers make connection with a sliding action	The function of	Р
MULL	Contacts of connectors/appliance outlets provide adequate contact pressure and do not deteriorate in normal use	White white whi	P
untitek an	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 WALTER	MITER V
LIEN WILL	Test: Inspection and tests of Clause 16, 19, 20 and 21	EK NITEK WHITEK WHITEK W	JEE P NO
18	RESISTANCE TO HEATING OF APPLIANCE COUR CONDITIONS OR VERY HOT CONDITIONS	PLERS FOR HOT	N/A
18.1	General	m m m	N/A
	Appliance couplers as classified according to 7.1 shall withstand the heating to which they may be subjected	INCIER MILIER MILIER MILIER	N/A
ne wite	Connectors/plug connectors so constructed that the insulation of the conductors is not subjected to excessive heating	the military with which w	N/A
MALTER	The spring contacts of appliance outlets and connectors shall not be negatively affected by thermal relaxation due to excessive heating	White writer writer white	N/A
18.2	Heating test for connectors/plug connectors	20, 20	N/A



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	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:	White Mure Mure 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	TER STEE STEEL WITH	INLT P
	Compliance checked by testing	see appended Table 19	Р
ire w	During the test: no flashover and any sustained arcing	HER MUTEL MUTEL MUTEL M	Pur
الله المال	After the test, the test sample show no damage	er ret ret stet stet str	Р
20	NORMAL OPERATION		Р
WILLEY N	Appliance couplers withstand without excessive wear or other harmful effect, the mechanical, electrical and thermal stresses occurring in normal use	JUNITER WHITE WHITE	MAP.
	Compliance checked by testing	see appended Table 20	P
re uni	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)	Pol
2115	Test sample does not show any:	WILL MILL MULL MULL	√″P
All the	- wear impairing its further use	at the set set	Р



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	IEC 60320-1	- 41 - 41 - 41 - 3	1
Clause	Requirement + Test	Result - Remark	Verdic
30	- deterioration of enclosures or barriers	me me me	Р
اله . الألام	- damage to the entry holes for the pins	TER LIER SLIER MITE	J. P
s	- loosening of electrical or mechanical connections	in my my	Р
Liter Will	- seepage of sealing compound	tek litek nitek mite	N/A
.t .c.*	The electrical safety is not impaired	The the tenth of t	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	WALTER WALTER WALTER WALT	EY PE
iveller an	Compliance checked for connectors/appliance outlets and plug connectors by testing	see appended Table 21	WALT P
JEK MALIF	After the test, the test samples withstand the test of clause 16	et cres screet sources	IN THE P
22	CORDS AND THEIR CONNECTION		Р
22.1	Cords for non-rewirable connector/plug connector	ors it with the wa	P
	Non-rewirable connectors/plug connectors are provided with cord complying with Table 9 or equivalent	WILLER MUTER MUTER MUTE	WALLEY OF
NITEK WAS	Type of cord complying with standard indicated in Table 9)	see appended Table 22.1	Wate P
ek Malifi	Cords have a nominal cross-sectional area not less than that specified in Table 9 (mm²)	see appended Table 22.1	NI WA
- NITEH	Non-rewirable connectors/plug connectors with earthing contact are provided with a three-core cord	see appended Table 22.1	P
TEX.	Connections to the contacts in non-rewirable, non-reversible connectors/plug connectors:	ant an an an	P
ing in	- green/yellow core: to the earthing contact	THE MUTT MUTT MUTT	Р
TEX II	- brown core: to the line contact	at at let tel	Р
	- light blue core: to the neutral contact	in murry murry murry	Р
22.2	Cord anchorage	- LEK JEK JEK	P
22.2.1	General	mr. mr. m. m.	Р
WALTER	Connectors/plug connectors are provided with a cord anchorage	INTEX MATER WATER MALE	P P
VILLER AND	Cord anchorages of the "labyrinth" type: - withstand the relevant tests	TEX MITER WAITER WALTER	N/A
22.2.2	Additional requirements for rewirable connectors and rewirable plug connectors		N/A
	Additional requirements are:	Mr. M. A.	N/A
WILL	- it is clear how to relief from strain and prevention of twisting is intended to be effected	CLIER MILIER MILIE WA	N/A



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Clause	Requirement + Test	Result - Remark	Verdic
Clause	requirement ( rest	Nesuit - Nemaik	Verdic
TEX	- it is integral with or fixed to the connector/plug connector	Mus Mr. An An An	N/A
m, m	- makeshift methods is not used	WILL MULL MULL MULL	N/A
itiek wai	- cord anchorage is suitable for the different types of cord and its effectiveness does not depend upon the assembly	TEK WHITEK WHITEK	N/A
	- cord anchorage is of insulating material or provided with insulating lining	Whitek Whitek White Wh	N/A
WALTER	- it is not possible for the cord to touch the clamping screws, if accessible	MILER WHITER WHITER WHITE	N/A
Et.	- 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
TEK WALT	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	see appended Table 22.2.3	N/A
CLIER	During the tests: cord not damaged	THE THE LIER NITE	N/A
20	After the test:	any any any	N/A
LIFE NAV	- 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	White and the suntification	N/A
MALTER	- 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 a	N/A
inerie an	Guards are of insulating material and are fixed in reliable manner	LIER WHITE WHITE WHITE	N/A
TEN MAL	During the test: no interruption of the current and no short-circuit between conductors	see appended Table 22.3	N/A
y July	After the test:	t get get get s	N/A
20	- test sample show no damage	men men men men	N/A
NITER.	- guard, if any, not separated from the body	LEK TEK ITEK MITE	N/A
SI S	- insulation of the cord show no sign of abrasion or wear	are mer are as	N/A
SEX MILE	- non-rewirable connectors/plug connectors: broken strands have not pierced the insulation as to become accessible	et tex itex with	N/A
23	MECHANICAL STRENGTH		Р
23.1	General	TER STER OUTER WIT	Р
, Et	Appliance couplers have adequate mechanical strength	The the text text	P



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-20,	IEC 60320-1	in the same say, say	- "
Clause	Requirement + Test	Result - Remark	Verdic
23.2	Free fall test	mer me me	Р
OLITET SI	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
'un'	- 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	CENT LIEN ALTER MATERIAL	N/A
	Compliance checked by the following test:		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
16	- rated current (A):	1 1 1 11	N/A



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- 0,	IEC 60320-1	21/2, 11/2, 21, 10,	
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
20 1	After the test:	WHILE MULL MULL MULL MULL	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 and me	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		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 MALTE WALL WALL	Р
CEN JE	- no trace of cloth (forefinger pressed with 5 N)	e st st st	P
2/1	- no damage	MULL MALL MALL MA	Р
25	SCREWS, CURRENT-CARRYING PARTS AND CO	NNECTIONS	Р
25.1	General	Mury Aug Aug Au	Р
36	Connections withstand mechanical stresses	at the fifth of the	Р



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Clause	Requirement + Test	Result - Remark	Verdict
Cidaco		Trooding Tromain	10.00
TEK	Screws and nuts for connection of conductor: in engagement with a metal thread	THE THE TEN	N/A
	Screws for mounting parts of appliance coupler are not of the thread-cutting type	with must must make	N/A
	Screws or nut for fixing the base of appliance inlet/appliance outlet on an appliance: any type is possible	offer white white white w	N/A
TEX.	Screws of insulating material: not used if they could impair insulation	mus and any an	N/A
Mur.	Threaded parts tightened and loosened:	WITE WALL WALL WALL	N/A
NITEK W	- one of threaded parts non-metallic material: 10 times	LIER ALIER MITER MILIER	N/A
A .	- both parts of metallic material: 5 times	The state of	N/A
, and	Threaded part torque test	see appended Table 25	N/A
t del	During the test:	· · · · · · · · · · ·	N/A
21/20	- not work loose	inite with with with	N/A
Jet .	- no damage	a at at at	N/A
25.2	Electrical connections	WHITE WALL WALL WALL	Р
NITEK WY	Contact pressure is not transmitted via the insulating material other than ceramic, or pure mica unless there is sufficient resiliency in the metallic parts	MALIER WALTER	N.LTE P.
25.3	Securement connections	E TE ALTE MITE NO	P
LIFE	Screws and rivets are locked against loosening or turning	THE THE STEEL SET	N/A
TEK	Connections between terminals and other parts do not work loose in normal use	White with the text	Р
25.4	Metallic parts	WILL MULL MULL MULL	Р
	Current-carrying parts and earthing contacts: metal having adequate mechanical strength and resistance to corrosion	TER WHITER WHITER WHITER	P
MULL	Parts subjected to mechanical wear are not made of steel with electroplated coating	White white white wh	Р
WALTER.	Under moist conditions, metals having a great difference of electro-chemical potential are not used in contact with each other	WALTER WALTER WALTER WALTER	JUN P
in m	Material used:	ALTER MITE MALTE WALLE	1 P 3
et d	- copper		N/A
'n' '	- alloy with at least 58 % copper for cold worked parts or at least 50 % copper for other parts	CER MULLE MULLE MULL MI	Р
Muric	- stainless steel with at least 13 % chromium and not more than 0,09 % carbon	anties while while whi	N/A



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24.	IEC 60320-1	in the the the the	20,
Clause	Requirement + Test	Result - Remark	Verdict
WUTEK M	- steel with electroplated coating of zinc (ISO 2081); coating thickness at least 5 μm (ISO Service Condition No. 1); thickness [μm]	White with with white	N/A
litest whit	- steel with electroplated coating of nickel and chromium (ISO 1456); coating thickness at least 20 μm (ISO Service Condition No. 2); thickness [μm]	TEK WHITEK WHITEK WHITEK	N/A
	- steel with electroplated coating of tin (ISO 2093); coating thickness at least 12 μm (ISO Service Condition No. 2); thickness [μm]	MULTER WHITER WHITER WH	N/A
MILTE	Checked by inspection or by chemical analysis	TEX SITES OUTEN MITTE	N/P
26	CLEARANCES, CREEPAGE DISTANCES AND SO	LID INSULATION	Р
26.2	Clearances	LIER SLIER WILL WALL	JAP J
26.2.1	Dimensioning	12 21 2 x	J. P
in whi	Clearances: dimensioned to withstand the minimum rated impulse voltage of 2500 V	see appended Table 26	P
26.2.2	Minimum values for clearances	TER STER WILLIAM	Р
MUTER M	Clearances for basic, supplementary and functional insulation: not less than the value specified in Table 16	see appended Table 26	PK
ritek wri	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 W
26.3	Creepage distances	E WILL MALL MALL MA	Р
26.3.1	Dimensioning		
W. TEK	Creepage distances: dimensioned for the voltage, taking into account pollution degree 2 and the material group	see appended Table 26	Р
26.3.2	Minimum creepage distances	in the sail of	Р
ek lek	Creepage distances for basic, supplementary and functional insulation: not less than the value specified in Table 17	see appended Table 26	n Pun
WILLER	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	Mr. Mr. Mr. Mr.	Р
UTLE MU	Solid insulation: capable of durably withstanding electrical and mechanical stresses	LIET WALTER WALTER WALTER.	MALT P III
TEK WYTE	Distance through accessible supplementary solid insulation: ≥ 0,8 mm:	see appended Table 26	WILL BUILD
t Test	Distance through accessible reinforced solid insulation:		P
in.	- ≥ 0,8 mm for rated impulse voltage 1500 V	White Many and and	N/A
18th	- ≥ 1,5 mm for rated impulse voltage 2500 V	a de de de	Р



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	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 THE RUTE	P
27.1.1	General 11th 11th 11th 11th 11th 11th 11th 11t	Very August Augu	Р
er ler	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	un Li Pun'
27.2	Resistance to tracking	WILL MULL MULL ML	N/A
MALTER	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	ek whitek whitek whitek w	N TE PAI
29	ELECTROMAGNETIC COMPATIBILITY (EMC) REC	QUIREMENTS	N/A
29.1	Immunity - Accessories not incorporating electronic components		N/A
NITEK WIL	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 unit	These accessories do not generate electromagnetic disturbances; consequently, no emission tests are necessary	MULTER WHITE WHITE W	N/A



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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

	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	TER OLITER WALL WHILE WE	N/A	
EK MUTER	Appliance couplers according to this Annex E are suitable for ambient temperatures above +35 °C up to and including +90 °C	Whitek whitek whitek white	N/A	
E.2	General requirements on tests	THE THE LITTLE MATTER	N/A	
E.2.1	General	ing in in in	N/A	
NLTER WA	Corresponding counterparts have.	TEX STEX SLIER OUTER	N/A	
	- identical ratings (as per Clause 6)	i m n n	N/A	
TE. MALTE	- identical classification (as per Clause 7)	et itel alter wife on	N/A	
E.3	Markings	711 111 111	N/A	
MULLER	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	the street street st	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	pliance couplers in ambient °C	N/A	
E.5.1	Resistance to heat			
TER WALT	Appliance couplers shall be sufficient resistant to heat	EX WILLEY WHITE WATER WA	N/A	
THE THEFT	Ball pressure test according to IEC 60695-10-2 at 125	°C	N/A	
10,	After the test: diameter of impression ≤ 2 mm	see appended Table E.5.1	N/A	
E.5.2	Resistance to ageing	the the title still	N/A	
E.5.2.1	General Little Mills	ner me m	N/A	
NITE WAS	Appliance couplers shall be sufficient resistant to ageing	LIER WALTER WALTER WALTER	N/A	
E.5.2.2	Ageing test for connectors/appliance outlets			
- Wilek	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	TEX TEX TEX STE	N/A	
	with a corresponding appliance inlet/plug connector	mer me me m		
E.5.2.3	Ageing test for appliance inlets/plug connectors	TEN TEN LITER NITTE	N/A	



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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 WHITEE WHITEE WHITEE 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. A. A.	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 WITE 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



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Viet men	All the All the	IEC 60320-1	MITER WALLER WALTER WA	- ani
Clause	Requirement + Test	Mur, M. 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) (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° ≥ 7,0°	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 <sub>int</sub> 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)



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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 P
Insu	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 -
b)	for appliance inlets with a connector in engagement, between each pin in turn and the others connected together	F TEN	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	JUNITEK JUN
d)	for appliance outlets without a plug connector in engagement, between the current carrying contacts connected together and the body	R	3000	UNLIE!
e)	for appliance outlets with a plug connector in engagement, between each pin in turn and the others connected together	F	1500	INTEK LIEK
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	1/12 1/1
i)	for plug connectors, between each contact in turn and the others connected together.	MIT WILL	1500	Untile Anti
Addit	ional test for rewirable connectors and plug connectors:	* *	. Let	TEK TEK
j) <sup>cir</sup>	for rewirable connectors, between any metal part of the cord anchorage, including clamping screws, and the earthing contact or earthing terminal	BALL SELF	1500	FL MITER AN
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 vn	1500	united unit
(I)	for rewirable plug connectors, between any metal part of the cord anchorage, including clamping screws, and the earthing contact or earthing terminal	INCT B WIT	1500	user and
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	THE BUTE	1500	A WELL W

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



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N. C. Maria	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 the connector / appliance outlet			
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	rification 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)	JULIEN SIGNATURE
	50 (1)	Lie Whi.	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	700	ar all	Р

19	TABLE: Breaking	capacity			THE LIFE W	P
. 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



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

20	TABLE: Normal or	peration			at let let	P
ar an	Rated current [A]			2.5A	MULL MULL	_
LIEK NIFE	Rated voltage [V]		2	250V	TEK CIEK	_
Sample N°	Test voltage [V]	Test current [A]		er factor os Φ]	Number of strokes	
the.	In In	Test conditions for	0,2 A conn	ectors	iver mur mur	211
Jak .	STEEL MITTER MITTE	Muric Aur. M.	77		4000	
1/1 - 1/1	T at	Alt The City	- WITE	White and	4000	20
LIFE MI	Stantiff while	are are		d 10	4000	NUTE
	Test con	ditions for connectors a	and appliar	nce outlets >	0,2 A	
JEK -NIE	250	2.5	- <del> </del>	0.6	2000	P
7.		H CIEK NITER N	TILL MAI	Mr.	6000	Р
NATE OF	250	2.5	er de	0.6	2000	Р
Ţ.	d 75 10	LITER WITER WAY	ALL	-011, 11	6000	Р
Will all	250	2.5	- KEN	0.6	2000	P
ر ي		THE THE MALL	all o	41. M.	6000	Р



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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

			-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	70, - 70
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		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



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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 connectors/plug connectors are fitted with cords as delivered Non-rewirable				
The Mark	Rewirable connector according to Table 9		re fitted with cords al according to Table 8	murit and	_
et and e	Appliance outlet are	fitted with conductor	s according to Table 8	alifer mile and	_
NUTEK IN	Torque applied on cl Table 13) [N m]		ord anchorage (2/3 of	TEX STEX NOTES	_
Sample N°	Test circuit (L-N)	Test current [A]	allowed dT [K]	measured dT [K]	Р
1an	L-N	1.25*2.5	45	10.4	Р
7Et - 17EK	L-N M	1.25*2.5	45	6.7	P
	1 th 10	LET - CET	WILL MUTE MUTE	mer mer m	
A COTER	LITE WALL WALL	m, m	4 0 <del>-</del> 0+	THE OFF STE	- Nite
Sample N°	Test circuit (L-PE)	Test current [A]	allowed dT [K]	measured dT [K]	N/A
21/2 - 211	- L	1 1th 2	Er WILL MUIL MU	, and any	c <sub>11</sub>
JEK JT6	105 105, 40	11/2 - 1		TEX- TEX	JE#- "
70		A TE - RITE	KIT'S IS	mr m n	
Et -CIER	<u></u>			1 - 1 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1	- TO L.
Supplement	ary information:	TEX MITE.	intie with with	The The The	4
16, 15	TABLE: Force nece		the connector/applian	ce outlet -	All De
ali <sup>ER</sup> oli	Type of connector	appliance outlet /	rated current:	2.5A	_
710 - 211	Standard sheet:			111 - 111	
16.2	Verification of the n	naximum withdraw	ral force	TEK STEK ON	P
Sample N°		thdrawal force gauge) [N]	The connector / ap not remain in the ap connecte	pliance inlet / plug	
,€t .	THE STIFF STIFF	50 Miles 11/2 11/2	Y		Р
Mur. Mu	Ę	50	S OLICE MITTER NY	MALL WALL	Р
TEK JE	CLIE CLIE	50	Y	t it it	Р
16.3	Verification of the r	ninimum withdraw	al force	any any	Р
Sample N°		hdrawal force gauge) [N]	The single pin gaug		
- Act	THE STEE WITE	.5.412	Y Y	at at a	Р
11/2 11	1	.5	of mile mile	The Will Mile	√ <sub>0</sub> /P
<u></u>	et Jet Will 1	.5	Y	at at at	Р



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, and	IEC	C 60320-1	The Me
Clause	Requirement + Test	Result - Remark	Verdict

Supplementary information:

22.1	TABLE: List of o	cords 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 ITEK-NITEK MI	الله المسالم الما	12. 14 12.	1 - x	.# A	ET - 1EX
77,	- m - m - m		A THE JEET	JE HILL	mer - un	21/2

22.2.3	TABLE: Pull test for cal	ole anchorag	le Zile Zi		- J+	N/A
Sample N°	Torque applied on clampi anchorage (2/3 of Table (only for rewirable constru	3) [N m]		ter white main main an		_
	Type of cord	Nominal cross- Pull sectional area [N] [mm²]	Torque (1 min) [N m]  Displace- ment of cord [mm]		MILIEN S	
in The	V V Y J A	\_a	Ell TE	- Juli	10,00	
CEL -CEL		- 14/15	- C		7 <del>1 1</del>	, EX - 1, 16
Supplement	ary information:	et ue	witer wit	MALL MAL	The The	12,
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)



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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						N/A
iliek avrie	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	Force [N]	Number of flexings	EK WALTE
111 - 12	1 1 - A A	t 36t.	nite - mil	MILL	ans	21/2 - 211	2,-
NITE MI	Will April Mur	m-	L - X	.6	t 20t	TEX- TEX	INLIE W
Supplemen	tary information:	TEX IN	LIE MILIER	11/1/20	Musil	any any	70

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

24.1	24.1 TABLE: Resistance to heat – Ball pressure test					
is with	Allowed impression diameter [mm]			: max	_	
Part und	er test	Material designation	Colour	Test temperature [°C]	Impression diameter [mm]	
Inlet live s part	upport	SABIC JAPAN L L C	(et - (fe	125	1.2	n P
Connector support pa	4.5	SABIC JAPAN L L C	F - 124	125	1.1 1.1 1.1 E.	IN P
	. ر	LIK TEK STIFE IN	121	are -ar	20, 70	



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

25	S. 112 (4)	E: Screws, current-currying parts and connections -					
	nreaded part lentification	Diameter of thread [mm)	Column number (I or II)	Applied torque [N m]	Number of operations (5 / 10)		
- MALTE	Mer Mer	in	Let Let	- LIFE NIT	inii inii	Take.	
<b>-</b> .	A At	CER JER JIE	Wer - Mer	20, 70,		/	

26	TABLE: Clearance, creepage distance and solid insulation				
,L	Requirements clearance, creepage distance met	in the contract	, <u></u>		
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

True of insulation	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



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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

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	TABLE	LE: Resistance to tracking				70 1	Р
MILIT	Numbe	er of drops	•••••	:	50 (5x)	WITE WALL	WILL
Part und	ler test	Material designation	Test voltage [V]	bre	shover / eakdown ⁄es/No)	Material group	
Insert	STE 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  $100 \le CTI < 175$ 



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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 <sub>a</sub>	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 <sub>a</sub> [°C]	Rated c	
MULT	Mer	90	L JET	500 S	JEK OLIER	WILL WILL	2/1/2
	ature at	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]	
- Jan	t	et tet -tet street		Sample-No	)		*
NETE SUP	ris and	411 15 15 15 15 15 15 15 15 15 15 15 15 1	1	2	3	Et JALIE	inin.
9	0-	t <sub>a</sub> + 5°C	WrWr	21/2.	7, 2,	- J.	24
9	0 200	t <sub>a</sub> + 10°C	A A	( <u>1</u> 24 .	JER - LIE	10 TE 10	الق
9	0	t <sub>a</sub> + 15°C	21	1/15 - 1/1	4	* 7	+ 4
70° 9	0000	t <sub>a</sub> + 20°C		. 17 <sup>67</sup> 11	11-11-	Will Mill	2/1/2
<i>(</i> 9	0	t <sub>a</sub> + 30°C	10,00	- 4	-	et et	TEN
9	0 ~	t <sub>a</sub> + 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 <sub>a</sub> + 45°C	2		1-1	+ TEX	CIEN
9	0	t <sub>a</sub> + 50°C	LITER LITE		- 10 m	11/2 11	- 4
9	0	t <sub>a</sub> + 55°C			7-74	TEN ST	EF IN
9	0	t <sub>a</sub> + 60°C	Contract of the second	uner - whi	. 100	211. 211.	- 24,



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Veletelice	NO WIAZSD 102 10932Z001	Faye 33 01 4	2	
NITE WALL		IEC 60320-1		
Clause	Requirement + Test	WILLEY MALL ON	Result - Remark	Verdict

object/part No.	E: list of critical com manufacturer/	type/model	technical data	standard	Mark
object/part No.	trademark	type/model	lecinical data	Stariuaru	IVIAIN
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



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Clause	Poquiroment + Test	Result - Remark	\/ordic		
Clause	Requirement + Test	Result - Remark	Verdict		
AS/NZS 60	0320.1:2012	ite water water wat war	20.		
APPENDI) NEW ZEA	X ZZ - VARIATIONS TO IEC 60320-1, Ed.2.1 (2007) F LAND	OR APPLICATION IN AUSTRAL	IA AND		
16.1	In the first dash point, add the following to the first li	ne after '16.2':	, Keller		
ir. Aur	or by the test of 16.201	ALTER WALTER WALTER WALTER	412 4		
16.2.201	The following test is considered to be a suitable alternative Clause 16.2:	ernative to the test of	LIEK P		
WALTER V	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 Pred Tuni		
ur ur Liek urlik H	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.	antil while while while	WEEK OU		
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 P		
NITE WATE	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		
MITER	(a) 120 ±2°C for connectors for hot conditions; and	of the the state of	N/A		
- J	(b) 155 ±2°C for connectors for very hot conditions	The Area of the	N/A		
17	Add the following sentence at the end of the third pa	aragraph	WILL.		
iliek whii	The 'Test of Earthing Connection' in AS/NZS 3100 may be applied as an alternative to the test of Clause 21.	WILEY WILEY WHILEY	N/A		
19	Add the words 'or brass pins' after the words 'hardened steel pins' in second line of third paragraph.				
J. C.	Delete last sentence of third paragraph.	70° 7	y		
ang. a	Insert the following new paragraph after the third pa	nragraph:	All T		
	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).	UNLIEK WHITEK WHITEK	MULTER WA		
21	Add the following sentence at the end of the fourth	paragraph:	TEE STELL		
Alt	Alternatively, the connector is inserted into an appliance inlet complying with this Standard.	The All the	N/A		



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Mer	AS/NZS 60320.1	Vr. OV
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 <sub>W</sub> ini Ek <sub>mi</sub> tel	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.	
23.2	Delete the last sentence from the fifth paragraph.	
	Insert the following new paragraph before the Note:	7
Write On	In particular, the following shall be checked by inspection:	JIN P
ITER WALT	(a) Live parts shall not be exposed so as to impair compliance with Clause 10.	NLTE PUI
yunlifek 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
TEX S	(c) Any other function affecting safety shall not be impaired.	N P
iek vil	(d) No part shall have become detached or loosened to the extent that a hazardous situation is created.	JIP P
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	at at
ZA1	INTRODUCTION		n P
Whitek Unitek	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.	UNLIEK WALTER WALTER	WALLEY AND
ere 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 WAS	PLIE WALTER

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



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Clause	Requirement + Test	Result - Remark	Verdict
ZA2	ADDITIONAL REQUIREMENTS	ET OLITER WITER WOLTE	JI P
Scope	Appendix ZA is applicable to appliance couplers classified as Group 2 with	Whitek whitek	unite uniPit
	rated voltage not exceeding 250 V and for a current rating not exceeding 63 A.	NITER WHITER WHITER W	LIEK WILLEK W
3.202	Group 1 appliance coupler	at the text	N/A
WALTER	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	il a st	P <sup>+</sup>
riek muzi	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	antife muit muites un	TEX NITES
y while	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:	WALLEY WALLEY WALLEY	WILL WE
7.1.1	Add the following dash point	Mari W	N <sub>L</sub> P
IEK WALTE	The temperature class assigned by the manufacturer, with a minimum of 70°C for Group 2 appliance couplers.	The white milk with	EF WITEFP
8.1	Add the following dash point:	et itet sitet mite	P
MUTIEK M	The temperature class assigned by the manufacturer, for Group 2 connectors having a temperature classification above 70°C.	WILLER WHITEK	MULTER WALTER
8.2	Add the following paragraph:	a at at	TEP STEP
EK WILLEY	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.	references multer whi	N/A
9.1 get	Delete existing text and replace with the following:	L at let let	P
	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 while while w	NITER WHITER W
	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.	LIE WHITE WHITE WAITE	P III



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AS/NZS 60320.1			
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 wh	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.	ALTEK WALTER WALTER WALTER	AN STEK WALL
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.	Whitek whitek whitek whi	EX WILLEY
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.	LIFER WHITER WHITER WHITER	ALIE P WALIEF WALES
9.4	Add the following dash point	me me m	Р
	Group 2 connectors with appliance inlets having a temperature class greater than that of the connector.	Multer white	MULL P W
9.5	Add the following paragraph	LIE MALIE WALL WALL	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.	* WHITEE WHITEE WHITEE W	I PIE
9.6	Add the following paragraph:	THE STEE STEE SING	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.	WILLER WHITER WHITER	N/A
10.1	Add the following after the second paragraph:	THE MALL WALL W	N/A
VILLER AND	Group 2 connectors may have an accessible earthing facility provided that no earthed part is held during insertion or withdrawal.	WALTER WALTER WALTER WALT	N/A
10.4	Replace the first sentence with the following:	TEX TEX LIFE SUITER	N/A
t whitet	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.	The state of the s	N/A



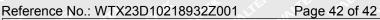
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Clause	Requirement + Test	Result - Remark	Verdict
10.40		et itet itet mit	- 10 AVA
13.12	Replace the first paragraph with the following	mr m. m.	N/A
Muries M	Fuses shall not be incorporated in Group 2 connectors.	ALIER MITER MITER	N/A
15.3	Add the following after the third paragraph:	- A	N/A
er vike Ek inlifei	When a Group 2 connector has an automatic temperature control and the control has an 'off' position marked, the following test shall be applied.	NITER WHITE WHITE OF	N/A
WALTER WA	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.	MUSTER MUTER MUTER	N/A
16.201	Group 2 connectors, having a temperature classification above 70°C, are tested twice;	lifet whilet whilet wh	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.	EX JUNITER WHITE WHITE	N/A
18.2	Add the following to the first paragraph:	Wer My	N/A
NLTER VIN	Group 2 rewirable connectors are fitted with the appropriate flexible cord specified by the manufacturer.	THE WALLEY W	N/A
MUT	The temperature class assigned by the manufacturer ±2°C for Group 2 connectors;	TE WILLE WILL WILL	N/A
18.3	Add the following to the first paragraph:	* THE STEE WITE	N/A
CLIER OF	The temperature class assigned by the manufacturer ±2°C for Group 2 appliance inlets;	the tex tex	N/A
22.1	Add the following after Table 4:	any my my	Р
TET WALT	For Group 2 non-rewirable connectors, the flexible cord shall—	NIEK WHIEK WHIEK WH	LIE WILL PAR
overtek Weitek Weitek	(a) be not lighter than light-duty type for connectors rated at ≤7.5 A;	<7.5A	Et III PAL
	(b) be not lighter t han ordinary type for connectors rated at >7.5 A;	- LIER MITER MITER	WALTER WALTER
	<ul><li>(c) have a nominal cross-sectional area appropriate for the rating and length of the cord; and</li><li>(d) be of the appropriate temperature class.</li></ul>	MUTER MUTER MUTER	NITER MITER
22.3 Mill	Add the following after Table 5:	TEX JEX JEST OF	N/A
	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 ANTIER MULTER MULTE	N/A



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" Cales.	AS/NZS 60320.1			
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	
MITEK	Group 2 rewirable connectors are fitted with the lightest duty flexible cord recommended by the manufacturer.	the write while whi	N/A	
NITEK UN	Group 2 rewirable connectors are fitted with the lightest duty flexible cord recommended by the manufacturer.	with with willing	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 let let il	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	MA MA	



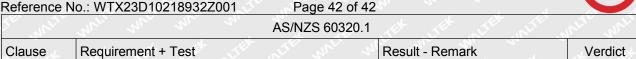




Photo 1 External View



Photo 2 External View

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