



TEST REPORT

Reference No	.15	WTX23D10218931Z001
Applicant	i_n	GlobTek, Inc.
Address	LTE.	186 Veterans Dr. Northvale, NJ 07647 USA
Manufacturer	, (GlobTek, Inc.
Address		186 Veterans Dr. Northvale, NJ 07647 USA
Product Name	:	Blades-R
Model No	n	R-SAA-3
Total pages		43 Pages
Standards	TEK Nor	 ☑ IEC 60320-1: 2021 Appliance couplers for household and similar general purposes – Part 1: General requirements
Date of Receipt sample	<u>.</u>	2023-10-18
Date of Test		2023-10-18 to 2023-11-15
Date of Issue	:	2024-03-05
Test Result	./	Pass S

Remarks:

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.

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



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

Attachment to test report: 2 pages of AUSTRALIA / NEW ZEALAND NATIONAL DIFFERENCES.

The product with models R-SAA-3 is Plug with detachable AU 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 AS/NZS 60320-1:2012

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 MILL MILL MILL MILL MILL MILL MILL
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 WALL MALL WALL WAS 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 WALL MALL WAS THE WALL WAS THE WALL WAS THE WALL WAS THE WALL WALL WALL WALL WALL WALL WALL WAL
Method of connecting the cord:	 Non-rewirable □ Crimped □ Others: □ rewirable □ Screw terminals □ Others:
Construction of cable entry:	☑ Straight☐ Angled



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B. St. 1	
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 me we we were
Date of receipt of test item	: 2023-10-18
Date (s) of performance of tests	: 2023-10-18 to 2023-11-15
General remarks:	write will will mir mr m.
"(See Enclosure #)" refers to additional information "(See appended table)" refers to a table appended throughout this report a ⊠ comma / □ point is	o the report.
"(See appended table)" refers to a table appended t	o the report. s used as the decimal separator.
"(See appended table)" refers to a table appended t Throughout this report a ⊠ comma / □ point is	o the report. s used as the decimal separator. of IECEE 02: Yes Not applicable
"(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: Yes Not applicable
"(See appended table)" refers to a table appended to the 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	o the report. s used as the decimal separator. of IECEE 02: Yes Not applicable n the General product information section.
"(See appended table)" refers to a table appended to the second of table) appended to the second of table of	o the report. s used as the decimal separator. of IECEE 02: Yes Not applicable n the General product information section. : 1.GlobTek, Inc.



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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

8	MARKING	P
8.1	General Company of the last mark with the last mark	Р
TEX .	Appliance couplers are marked with:	P
i, √1,	- name, trademark or identification mark of the manufacturer or responsible vendor	Р
me	- type reference	Р
3.2	Additional markings	Р
"Cik	Standardized connectors/plug connectors in accordance with IEC 60320-3 and all non-standardized appliance couplers are additionally marked with:	P
Ver 7	- rated current (A) (except 0,2 A connectors) 2.5A	Р
d.	- rated voltage (V)	P
1/1/2	- symbol for nature of supply	Р
k walie	- marking to identify the type of conductors suitable for screwless terminal	N/A
3.3	Appliance couplers for class II equipment	P
MEL	Appliance couplers for class II: Not marked with the symbol for class II construction	n P
3.4	Symbol or alphanumeric notations	Р
aL.	Correct symbols are used	, P
MUL	Marking for the nature of supply placed next to the marking for rated current and rated voltage	Р
8.5	Legibility of marking	Р
TEX	Connectors/plug connectors: Marking according to 8.1, is still easily discernible	P
3.6	Terminal markings and wiring instructions	N/A
TEX ON	Terminals, in rewirable non-reversible connectors/plug connectors, are indicated as follow:	N/A
y White	- earthing terminal: [earth symbol, earth symbol in circle or PE]:	N/A
	- neutral terminal: N:	N/A
WALL	Conductor, in non-rewirable polarized connectors/plug connectors are connected as specified in 22.1	N/A
	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:	N/A
20,	- method of connection of the conductors:	N/A
(TEX	- method of the operation of the cord anchorage:	N/A



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Clause	Paguiroment + Teet	Result - Remark	Verdic
Clause	Requirement + Test	Result - Remark	verdic
TEK.	- length of sleeving and insulation to be stripped back	Mur mur m	N/A
in in	- sizes and types of cable or cords suitable:	WILL MET MULT A	N/A
8.7	Durability	at at let i	EL TENP
. 2n	Marking is easily legible and durable	i mir mir m	Р
ek vintte	Marking are not placed on screw or other removable parts	- WHITEK WHITEK WHITE	White Whi
8.8	Test and inspection	at at at	PE PE
200 1	Test: 15 s with water, 15 s with petroleum spirit	WHITE WHITE WILL.	n P
CTEX IN	Marking made by moulding, pressing or engraving	at at the	TEN TE
9	DIMENSIONS AND COMPATIBILITY		Р
9.1	General	et let let is	P.
t Jet	Appliance couplers are designed that unintended or improper connection is prevented	My My M	P
9.2	Single-pole connection	MUTTE MUTT MUTT	7/L 7/L
MULIER O	Single-pole connections between connectors/ appliance outlets and appliance inlets/plug connectors are not possible	Willest Multest Multest	NITEK WAI P
9.3	Compatibility	ALTER OF	The P
د پ	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
WALTER.	- plug connectors for devices of protection class I in connectors/appliance outlets for devices of protection class II	MALTER WALTER	WALLE AND PE
in _{ry} an	- connectors for cold conditions in appliance inlets/plug connectors for hot or very hot conditions	LIE WALTER WALTER W	Р
iter whit	- plug connectors for cold conditions in appliance outlets for hot or very hot conditions	EX Writex Writex Wil	Pur II Pur
Y WITER	- connectors for hot conditions in appliance inlets/plug connectors for very hot conditions	MALIER MALIER MALIER	White Mr.
MALTER	- plug connectors for hot conditions in appliance outlets for very hot conditions	LIER MITER MITER	Inties Muse
NITEH OIN	- connectors in appliance inlets/plug connectors having a higher rated current than the connector	at the the	ITEL RITEP
iek lie	- plug connectors in appliance outlets having a lower rated current than the plug connector	t lit lit in	P
- 76x	Test: Engagement of a connector or plug connector with a force of 60 N for min. 60 s	Mury Mury Mur	P
ALC.	During the test: no contact of the pins	WILL MULL MILL	ALL ALL
9.4	Dimensions for standardized appliance couplers		N/A



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20.	IEC 60320-1				
Clause	Requirement + Test	Result - Remark	Verdict		
WUTEK M	Standardized appliance couplers shall comply with the relevant standard sheets according to IEC 60320-3	White white with with	N/A		
9.5	Dimensions for non-standardized appliance coup	olers	Р		
EX TIEX	Non-standardized appliance couplers are acceptable if do not adversely affect the purpose and safety of standardized appliance couplers	THE WALTE WALTE WALTE	ران کی اور از		
MALTER 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	whitet whitet whitet whi	EK WILTER		
	No changes which adversely affect the contact-making ability	THE MALL MALL MALL	J P W		
ANTIEK MULIEK	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	antifet mutet mutet	PIN		
nitek 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	WHILE MALLER WHILE WILL	P P		
IEK WALTER	It is not possible within a given system to make connintended position or to make partial connections cause impair the further use of the appliance for:		AL EX P		
t tet	- a connector and associated appliance inlet	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PET		
Why.	- an appliance outlet with the associated plug connector	MULTE MILL MALL WAY	P		
10	PROTECTION AGAINST ELECTRIC SHOCK		Р		
10.1	Accessibility of live parts	and the state of	P		
74 "C.A.	Live parts of appliance couplers are not accessible when in partial or complete engagement	White white whi	N P		
MULL	Live parts of connectors/appliance outlets are not accessible	White White White we	Р		
white 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	United White White White	P NITE N		
10.2	Protection against single pole connection	er me me m	Р		
TE WALTER	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	THE STEET WHITE AND	NE PAL		
10.3	Protection against access to live parts	2/4 2/11 2/11	P		



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	IEC 60320-1	
Clause	Requirement + Test Result - Remark	Verdict
TEX	It is not possible to remove parts preventing access to live parts without the aid of a tool	Tex Tex
un w	Bushes are adequately fixed, and it is not possible to remove them without dismantling the connector/appliance outlet	TEX WITEK
10.4	External parts	Р
MULLE	Insulating material for external parts of connectors, appliance outlets and plug connectors	mil PL
10.5	Shrouds which will be the first	N/A
UNLIEK 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
H WILTER	Appliance couplers with protective earthing contact: constructed that the protective earthing contact is first make and last break relative to any other contact	WALTE WALTER
12	TERMINAL AND TERMINATIONS	P
12.1	General	P
VILL AND	Requirements in the appropriate IEC standard apply for the terminal and terminations	True Merico
iek walie	Clamping means of terminals do not serve to fix any other components	PLI PLI
12.2	Rewirable appliance couplers	N/A
ALL ALL AND	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	n P
ITEX WILL	They are provided with soldered, welded, crimped or equally effective screwless connections:	TEX WY TEX P
ek wilek	The possibility to disconnect the conductor is not allowed	* P
13	CONSTRUCTION	Р
13.1	Risk of accidental contact	MITE MAP
	There is no risk of accidental contact between earthing contact of appliance inlet/plug connector and current-carrying contacts of the connector/appliance outlet	NITER WITE W
13.2	Contact positions	in Bur
t miret	In non-reversible connectors/plug connectors the contact positions are establic looking at the engagement face as shown in the standard sheets of IEC 60320	
7.	Position shall be set out as in Table 1:	N/A
all of	Connectors:	N/A

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24	IEC 60320-1			
Clause	Requirement + Test	Result - Remark	Verdic	
24,	- earthing contact: in a symmetrical arrangement	Merch Merch Mary Miles	N/A	
INLIE W	- line contact: lower right-hand position	TEX TEX STEE OUT	N/A	
	- neutral contact: lower left-hand position	Her Apr Apr Apr Apr	N/A	
LIET	Plug connectors:	TEX STEX NITER OUTER	N/A	
JL J+	- earthing contact: in a symmetrical arrangement	. M. M. M.	N/A	
WILL	- line contact: lower left-hand position	et alter outer uniter ou	N/A	
. st	- neutral contact: lower right-hand position	711 111	N/A	
Mury 1	In non-reversible appliance couplers not complying w IEC 60320-3:	vith the standard sheets of	W P	
NLTE WY	- Verification of the correct polarization	TEX LIER SLIER WITE	Р	
13.3	Parts covering live parts	by my my my	Р	
TE WILL	Adequately locked against loosening	Set atter outer with	n' Pr	
L St	Test: Inspection and tests of Clause 18, 20 and 23	An In	Р	
13.4	Pin construction	* LIEF WITE WHITE WA	P	
13.4.1	Prevention of rotation	20 2 1 X	+ P+	
Mer a	Pins and contacts adequately locked against rotation	White Mulie Mulie White	Р	
13.4.2	Pin retention	ALTE MITE	P	
at all	Pins of appliance inlets/plug connectors:	_ 1	Р	
Mill	- are securely retained	F. ALTE MILE MALLE IN	n Pi	
- 11	- have adequate mechanical strength	The state of the s	P	
MUT.	- it is not possible to remove them without the aid of a tool	White white while whi	Р	
Wille W	- are surrounded by a shroud	TEX LIET OUTER WITE	P	
	- are not protrude beyond the rim of the shroud	1 - 11 - 11 - 1	Р	
CLE WILL	Test for security of pin retention	TEX SITES INLIES WHITE	ur Pur	
et liet	- 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 force applied in direction away from the base 	60N;60s	P	
apr. a		MITER WALTER WALTER WALL	W.b	
- C* .	- force applied in direction towards the base		P	
Vr. 21/2	During the test on any pin there is no movement exceeding 2,5 mm	0.3mm	P	
LE SULLE	5 min. after removal of test force, pins remain within:	Et TEX LIER NITER	Pri Pri	
t JES	- for standardized appliance couplers, the tolerances of the standard sheet	who will set the	N/A	
20, .	- for non-standardized appliance couplers, as specified by the manufacturer	mer mer mer me	Р	



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01	IEC 60320-1	Danit Damari	\
Clause	Requirement + Test	Result - Remark	Verdict
13.4.3	Non-solid pins	me me me	Р
مالانتك والأ	Test for non-solid pins	THE LIFE LIFE MUTER	Р
ur ^{est} nu	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 the text text	P
	After the test: - no significant alteration in the shape of the pin	it were mer all a	Р
13.4.4	Pins for appliance couplers for higher ambient te	mperatures up to +90 °C	N/A
MALTER	Pins for plug connectors or appliance inlets made of solid material	STEET WILLER WHITE	N/A
13.5	Contact pressure	at the left	P
ilek wile	Contacts of connectors/appliance outlets are self- adjusting so as to provide adequate contact pressure	the white white white w	P
* WALTER	Self-adjustment of the contacts in connectors/ appliance outlets other than 0,2 A, does not depend upon the resiliency of insulating material	Mer Miles Miles Miles	P
13.6	Enclosure	The state of the	P
13.6.1	General	WITE WALL WALL WALL	Р
NLTEK WAL	Parts of the body of connectors/plug connectors are reliably fixed to one another	THE MILITER MILITER IN	LIE'P
13.6.2	Rewirable connectors and rewirable plug connec	etors	N/A
MUL	It is not possible to dismantle the connector/plug connector without the aid of a tool	MILITE WALLE WALLE WAS	N/A
WALTE.	Terminals and the ends of cord - completely enclosed by the enclosure	WHITEK WHITEK WALTER WALTE	N/A
ALTER OF	Construction is such that conductors can be properly	connected and is unlikely that:	N/A
4E# 15	- cores are not pressed against each other causing damage	in any any any	N/A
it the	- cores of live conductor not pressed against accessible metal parts	the wait with with w	N/A
MUTI	- core of earthing conductor not pressed against live parts	WATER WATER WALL WALL	N/A
White h	It is not possible to assemble the rewirable connector in such a way that terminals are enclosed and contacts accessible	UNLIER WHITE WHITE	N/A
iek vile	Separate independent means for fixing and locating parts of the body with respect to each other are present in rewirable connectors/plugs connectors	A TEX TEX TEXT	N/A
-20,	Thread-cutting screws are not used	Mer Mer Mr Mr	N/A
WALTER	Resiliency of the contacts does not depend upon the assembly of the parts of the body	NIET MITER WHIEF WHITE	N/A



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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
Miller	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



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Clause	Requirement + Test	Result - Remark	Verdict	
Cidado	Troquiron Tool	Troodic Tromanic	Voluio	
MALTEK WI	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	NITER MULTER MULTER MULTE	N/A	
LIE WAL	Free wire of a conductor connected to an earth termination does not touch any live part	FEX WALTER WALTER.	N/A	
13.8.4	Free wire verification for non-rewirable moulded-on accessories			
MUTTER	Verification of means to prevent stray wires reducing the minimum distance through insulation to external accessible surface below 1,5 mm	TEX STEE STEEL SHIFT	N/A	
13.9	Connectors/plug connectors without earthing cor	ntact	N/A	
irex white	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 WHITE	N/A	
13.10	Fuses, relays, thermostats, thermal cut-outs and	switches	N/A	
WAL	Fuses, relays, thermostats and thermal cut-outs are not incorporated in connectors and plug connectors complying with the standard sheets of IEC 60320-3	White white white wh	N/A	
ni v	Fuses, relays, thermostats and thermal cut-outs incorporated in appliance inlets and appliance outlet comply with the relevant IEC standards	nut with white with	N/A	
. L	Switches comply with IEC 61058-1 (all parts)	7 1 1 1 1 1 1 1	N/A	
Me	Energy regulators comply with IEC 60730-2-11	THE WITH WHITE W	N/A	
14	MOISTURE RESISTANCE		Р	
Mr.	Test samples kept in a humidity cabinet containing air with relative humidity maintained between 91 % and 95 % for:			
in in	- 168 h (seven days) for appliance coupler with earthing contacts	LIER WHITE WHITE WHITE	P	
iter anti	- 48 h (two days) in all other cases	EX TEX STEX STEX	N/A	
et jet	After this treatment the test sample show no damage	we are the	P	
15	INSULATING RESISTANCE AND ELECTRIC STRE	NGTH	Р	
15.1	General	at at alt of	P	
10 A	Adequate insulation resistance and dielectric strength for appliance coupler		Р	
15.2	Insulation resistance	life while war whi	A PA	
iek watie	The insulation resistance measured 60 s ± 5 s after application of 500 + 50 V d.c.	see appended Table 15.2	NI EX PAI	
15.3	Dielectric strength	1 st st .	e Pe	
Int.	Electric strength: a.c. test voltage applied for 60 s ± 5 s	see appended Table 15.3	JII P	



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-20,	IEC 60320-1	Their and the an	20.
Clause	Requirement + Test	Result - Remark	Verdict
16	FORCES NECESSARY TO INSERT AND TO WITH CONNECTOR/APPLIANCE OUTLET	DRAW THE	Р
16.1	General	Will Musi Musi Musi .	Р
THE WALL	The construction of appliance couplers shall allow the of the connector/appliance outlet and prevent from we inlet/plug connector in normal use		Р
16.2	Verification of the maximum withdrawal force	y liet alies while and	Р
	For standardized appliance couplers: gauge is used	My My A	_
MULL A	For non-standardized types: the counterpart as specified by the manufacturer is used	WHITE WHITE WHITE WHITE	_
INLIE VIN	The connector/appliance outlet shall disengage within 3 s from the appliance inlet/plug connector	see appended Table 16	nti P w
16.3	Verification of the minimum withdrawal force	at let let let si	P
271	For standardized types: test pin gauge is used	Mr. Mr. M. M.	_
WALTER	For non-standardized types: test pin with minimum dimensions as specified by the manufacturer is used	WHITEK WHITEK WHITEK	_
WALTEK W	The test pin did not fall from the contact assembly within 3 s	see appended Table 16	MIL PIL
17	OPERATION OF CONTACTS		Р
ur. 2005 Vr. 2005	Contacts and pins of appliance couplers make connection with a sliding action	anti mit m	Р
t TEX	Contacts of connectors/appliance outlets provide adequate contact pressure and do not deteriorate in normal use	White white white whi	Р
Mrtiek an	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	WP Mifet
LIFE'S WALT	Test: Inspection and tests of Clause 16, 19, 20 and 21	EX NITEX MILEX WHITEK WH	TEN P N
18	RESISTANCE TO HEATING OF APPLIANCE COUL CONDITIONS OR VERY HOT CONDITIONS	PLERS FOR HOT	N/A
18.1	General	211 24 2 x	N/A
WALL W	Appliance couplers as classified according to 7.1 shall withstand the heating to which they may be subjected	UNLIER WHITE WHITE WHITE	N/A
TEK WILE	Connectors/plug connectors so constructed that the insulation of the conductors is not subjected to excessive heating	the mitting with which w	N/A
y whitek	The spring contacts of appliance outlets and connectors shall not be negatively affected by thermal relaxation due to excessive heating	WILL WILL WILLER WITE	N/A
18.2	Heating test for connectors/plug connectors	The Contract of	N/A



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	IEC 60320-1		
Clause	Requirement + Test	Result - Remark	Verdict
MUTEK 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)	WALTER WALTER	NITER MITER
. et 1	After this test:		N/A
7 W	- Plug connectors inserted and withdrawn from the appliance outlet 10 times	iter white while whi	N/A
MULT	- Connectors subjected to the test of Clause 16	LIER OLIER WILL	N/A
	After this test the test sample show:	24, 20, 7	N/A
MILL 1	- no damage	SLIEB WITE WILLE	N/A
INLIEK NA	- no loosening of electrical or mechanical connections	Tet liet which o	N/A
	- no cracks	in the minimum	N/A
18.3	Heating test for appliance inlets/appliance outlets		N/A
y MITEL	Appliance inlets/appliance outlets kept in a heating cabinet for 96 h at a temperature of (°C)	t ret ret riet	MLTE _
JEK	- Appliance outlets subjected to the test of Clause 16	Whit will the	N/A
21/2 21	After this test the test sample show:	White Mure and a	N/A
TEK ST	- no damage	at a state .	N/A
ER TE	- no loosening of electrical or mechanical connections	t in in	N/A
The.	- no cracks	e write out out	N/A

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



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Clause	Requirement + Test	Result - Remark	Verdic
Oldusc		Tresuit - Tremark	Verdie
	- deterioration of enclosures or barriers	111, 111, 11, 11, 11, 11	Р
الت يتنعن	- damage to the entry holes for the pins	THE THE WIFE MITT	P P
	- loosening of electrical or mechanical connections	L. 14, 12, 1	Р
CLE MULT	- seepage of sealing compound	TEX LIFE MITE MITE.	N/A
4 14	The electrical safety is not impaired	41 12 14	Р
21	TEMPERATURE RISE		
WALTER	Contacts and other current-carrying parts shall be so designed as to prevent excessive temperature rise due to the passage of current	WHITEH WHITEH WHITEH WHIT	P
NLTEK WIN	Compliance checked for connectors/appliance outlets and plug connectors by testing	see appended Table 21	UNIT P
TEX MALTE	After the test, the test samples withstand the test of clause 16	et stet stret milet s	IN SEK P
22	CORDS AND THEIR CONNECTION		Р
22.1	Cords for non-rewirable connector/plug connector	ors the life out on	Р
MUTTER W	Non-rewirable connectors/plug connectors are provided with cord complying with Table 9 or equivalent:	NLIER WHITEK WHITEK WHITE	K P.K
LIEK WILL	Type of cord complying with standard indicated in Table 9)	see appended Table 22.1	J P
ek watte	Cords have a nominal cross-sectional area not less than that specified in Table 9 (mm²)	see appended Table 22.1	AL EX P
CLIEN	Non-rewirable connectors/plug connectors with earthing contact are provided with a three-core cord	see appended Table 22.1	P
TER .	Connections to the contacts in non-rewirable, non-reversible connectors/plug connectors:	ant an at the	P
ne an	- green/yellow core: to the earthing contact	itie with muth muth	Р
16th 25	- brown core: to the line contact	A EX TEX TEX	JE P
20,	- light blue core: to the neutral contact	in mur mur mur	Р
22.2	Cord anchorage	- Let Tet Tet	of Ro
22.2.1	General	mr. mr. m. m.	Р
WALLEY OF	Connectors/plug connectors are provided with a cord anchorage	INTEX WATER WATER WALE	TIN P
NITEK WA	Cord anchorages of the "labyrinth" type: - withstand the relevant tests	Tex nifex whilek whilek	N/A
22.2.2	Additional requirements for rewirable connectors and rewirable plug connectors		N/A
	Additional requirements are:	Mr. 24 2.	N/A
MULLI.	- it is clear how to relief from strain and prevention of twisting is intended to be effected	CLIER MILER MILE WAY	N/A



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Clause	Requirement + Test	Result - Remark	Verdic
Clause	requirement i rest	Tresuit - Tremain	Verdic
TEN.	- it is integral with or fixed to the connector/plug connector	The sale of the text	N/A
m. n	- makeshift methods is not used	WILE MULL MULL MULL	N/A
LIFEK WAL	- cord anchorage is suitable for the different types of cord and its effectiveness does not depend upon the assembly	TEX WHITEX WHITEX	N/A
WALTE	- cord anchorage is of insulating material or provided with insulating lining	white write white wh	N/A
WHITE	- it is not possible for the cord to touch the clamping screws, if accessible	MILER WHITER WHITE WHITE	N/A
TEX.	- its metal parts are insulated from earthing circuit	t of the	N/A
22.2.3	Pull test for cable anchorage	KITE WILL WILL WILL	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	LEK TEK TEK NITE	N/A
in a	After the test:	Mr. Mr. M. M.	N/A
LIE NAL	- 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	MITE WHILE WHITE	N/A
MALTER	- non-rewirable connectors/plug connectors there was no break in the electrical connections	STEEL STEEL MITER SPAIN	N/A
22.3	Flexing test	The the transfer of	N/A
n _{ery} an	Guards are of insulating material and are fixed in reliable manner	LIER WHILE WHILE WHILE	N/A
TEN WALK	During the test: no interruption of the current and no short-circuit between conductors	see appended Table 22.3	N/A
H JIEH	After the test:	t et tet steit si	N/A
24.	- test sample show no damage	mer mer mer me	N/A
. CITER	- guard, if any, not separated from the body	let test the wife	N/A
JU J	- insulation of the cord show no sign of abrasion or wear	mer and and an	N/A
iek wile	- non-rewirable connectors/plug connectors: broken strands have not pierced the insulation as to become accessible	of the minimum of the second	N/A
23	MECHANICAL STRENGTH		Р
23.1	General	- TER STER MITE MILE	Р
Alt.	Appliance couplers have adequate mechanical strength	The second second	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
CLIEF ALL	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 2 2 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	_
Vez 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
- OVE	- 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



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Clause	Requirement + Test	Result - Remark	Verdict
Clades		Treadily remain	7/12
	- straight pull (N)	711 211	N/A
23.6.3	Lateral pull test	acite white white white	N/A
10	Compliance checked by the following test:	w w	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
me	- rated current (A)	WHITE WALL WALL WA	N/A
TEK	- lateral pull (N)	at at alt of	N/A
ale .	After the test:	MULL MULL MULL MULL	N/A
Tier .	- the two parts are not detached	at at get get	N/A
10 - 40 16* - 1	- parts providing protection against electric shock not loosened	in the me	N/A
" Aller	- live parts not become accessible	er until mutil muti m	N/A
24	RESISTANCE TO HEAT AND AGEING		Р
24.1	Resistance to heat	White Many Many Man	Р
JEX	Ball pressure test according to IEC 60695-10-2	at let test tiest	Р
	After the test: diameter of impression ≤ 2 mm	see appended Table 24.1	Р
24.2	Resistance to ageing		JT [®] P
24.2.1	General		Р
EK WALTE	Appliance couplers of elastomeric material or thermoplastic material shall be sufficient resistant to ageing	White while white on	Р
24.2.2	Ageing test for elastomeric materials	ALTER MITE WALTE WALT	N/A
MUTIEK MI	Appliance couplers of elastomeric material are kept for 240 h (10 days) in a heating cabinet at 70 $^{\circ}$ C \pm 2 $^{\circ}$ C	LIET WHILE WHILE	N/A
24.2.3	Ageing test for thermoplastic materials	et et tet tet	TE P
EK WALTER	Appliance couplers of thermoplastic material are kept for 168 h (7 days) in a heating cabinet at 80 $^{\circ}\text{C} \pm 2 ^{\circ}\text{C}$	THE WILL MILES AND	P
24.2.4	Ageing test assessment	71 7 x x 0	P
MULL 1	After the tests, samples show:	CLIEB MILE WALLE WALL	JIN P
at .	- no crack visible	and the second	ΛÞ
in an	- no sticky or greasy material	Lie unit mit unit	Р
CER CE	- no trace of cloth (forefinger pressed with 5 N)	a state of	P
2/1	- no damage	Wery Mery Mery My	Р
25	SCREWS, CURRENT-CARRYING PARTS AND CO	NNECTIONS	Р
25.1	General	MULL MUL MUL MI	Р
A COLOR	Connections withstand mechanical stresses	a st st st	P



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Clause	Requirement + Test	Result - Remark	Verdic
7/1/2			
JEK	Screws and nuts for connection of conductor: in engagement with a metal thread	THE THE THE	N/A
	Screws for mounting parts of appliance coupler are not of the thread-cutting type	with mut and any	N/A
er viley	Screws or nut for fixing the base of appliance inlet/appliance outlet on an appliance: any type is possible	THE WALL WALL WHILE A	N/A
All the	Screws of insulating material: not used if they could impair insulation	Mari And Mr. And	N/A
MUT.	Threaded parts tightened and loosened:	write while while while	N/A
ULIEK W	- one of threaded parts non-metallic material: 10 times	STER STER WITER WITER	N/A
at a	- both parts of metallic material: 5 times	The state of the s	N/A
, we	Threaded part torque test	see appended Table 25	N/A
- LEX	During the test:		N/A
Me	- not work loose	WILL MULL MULL MA	N/A
JEK.	- no damage	A ST ST ST	N/A
25.2	Electrical connections	Write Murit Mari Mari	Р
	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 WALLEY	P
25.3	Securement connections	E TE STATE WITE W	Р
LIEX	Screws and rivets are locked against loosening or turning	THE THE STEEL SET	N/A
TEX	Connections between terminals and other parts do not work loose in normal use	when any one of the	P
25.4	Metallic parts	mile white white whi	Р
	Current-carrying parts and earthing contacts: metal having adequate mechanical strength and resistance to corrosion	EX WHITEK WHITEK WHITEK	IN TEKP
MULL	Parts subjected to mechanical wear are not made of steel with electroplated coating	WHITE WHITE WHITE WAS	υP
MUNITER O	Under moist conditions, metals having a great difference of electro-chemical potential are not used in contact with each other	MITER WHITER WHITE WHITE	on P
er, an	Material used:	LITER MALTE MALTE WALL	y P
et it	- copper	and the state of	N/A
- Cit	- alloy with at least 58 % copper for cold worked parts or at least 50 % copper for other parts	MULL MILL MILL M	Р
WILL	- stainless steel with at least 13 % chromium and not more than 0,09 % carbon	WALTER WALTE WALTE WAL	N/A



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24.	IEC 60320-1	in the the the	20
Clause	Requirement + Test	Result - Remark	Verdict
antiek vi	- steel with electroplated coating of zinc (ISO 2081); coating thickness at least 5 μm (ISO Service Condition No. 1); thickness [μm]	White will with white	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]	LIEK 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]	outiles multes multes my	N/A
MILTE	Checked by inspection or by chemical analysis	TEX SITES OUTER MITTE	N/P
26	CLEARANCES, CREEPAGE DISTANCES AND SO	OLID INSULATION	Р
26.2	Clearances	THE STILL WITE WITE	JN P 3
26.2.1	Dimensioning	the state of the s	J.←P
in whi	Clearances: dimensioned to withstand the minimum rated impulse voltage of 2500 V	see appended Table 26	Р
26.2.2	Minimum values for clearances	t the the street and	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	VIII P
26.3	Creepage distances	E WILL MUE MUE ME	Р
26.3.1	Dimensioning		
unities un	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	his my my man	Р
it with	Creepage distances for basic, supplementary and functional insulation: not less than the value specified in Table 17	see appended Table 26	Pur
WIN	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. 20	Р
NITE WA	Solid insulation: capable of durably withstanding electrical and mechanical stresses	LIER WALTER WALTER WALTER	P
TEK MUTE	Distance through accessible supplementary solid insulation: ≥ 0,8 mm:	see appended Table 26	WIEL PAL
t Set	Distance through accessible reinforced solid insulation:		P
21/2	- ≥ 0,8 mm for rated impulse voltage 1500 V	White Muri Mur Mur	N/A
18th	- ≥ 1,5 mm for rated impulse voltage 2500 V	a at at at	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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ALL MARTY	Mary Mary Aller Mr. Mr.	IEC 60320-1	TILL MUTE MITT
Clause	Requirement + Test	Result - Remark	Verdict

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



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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	The Mary Mary	N/A
RLTE. NA	- no trace of cloth (forefinger pressed with 5 N)	TEX STER SITER OUTER	N/A
	- no damage	in the man	N/A
TE 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 WALTER WAS	N/A
at-	After the tests, samples show:	Mr. Mr. At 24	N/A
WELL OF	- no damage	SLIEF WILL MILE MILE	N/A
E.5.3	Resistance to tracking		
ek wate	Insulating parts supporting, or in contact with, live parts of appliance couplers for use in ambient temperatures above +35 °C up to and including+90 °C, are of material resistant to tracking, with a minimum PTI of 175 V (according to Annex A)	see appended Table E.5.3	N/A
E.6	Cords and their connection	THE LIFE OUTER AND	N/A
	For standardized appliance couplers:	Mr. Mr. Mr.	N/A
area an	Type of cord:	THE STEE MITE WALL	N/A
ITEH MILI	- according to the requirements of Table 9 and Table 10	Et Tet stet stet stet	N/A
ek altek	- but shall be of rubber or an equivalent elastomeric type	Me the the	N/A
Zu Zu	- rated for a maximum conductor insulation temperature of +90 °C	Must Aug My Aug	N/A
11/25 1	For non-standardized appliance couplers:	WILL MILL MILL MILL	N/A
TEX	Type of cord:	at at at all	N/A
er 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 Wh	N/A



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. Alle	An An IE	C 60320-1	mr. mr
Clause	Requirement + Test	Result - Remark	Verdict

15.2	TABLE: Insulation resistance	* *	All S	Et Pt
Insu	nsulation resistance tested		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	WAL - W
b) 🖠	for appliance inlets with a connector in engagement, between each pin in turn and the others connected together	Mar F Mar	≥ 2	74 764 1. 70
c) (for appliance outlets with a plug connector in engagement, between the current-carrying contacts connected together and the body	R	≥7	t Tek
d)	for appliance outlets without a plug connector in engagement, between the current carrying contacts connected together and the body	R	≥ 7	WELLER WA
e)	for appliance outlets with a plug connector in engagement, between each pin in turn and the others connected together	Jun F Jun	≥ 2	184 JE
f) 🤟	for connectors, between the current-carrying contacts connected together and the body	Int' R MILL	≥7	>100 MΩ
g)	for connectors, between each contact in turn and the others connected together	TEK FITEK	≥ 2	>100 MΩ
h)	for plug connectors, between the current-carrying contacts connected together and the body	R	LIFE ≥ 7	WALTER W
i)	for plug connectors, between each contact in turn and the others connected together.	F	≥ 2	WILLER-
Addit	tional test for rewirable connectors and plug connectors:	Mr. Mr.	1,, ,	
j) (j	for rewirable connectors, between any metal part of the cord anchorage, including clamping screws, and the earthing contact or earthing terminal	WALTER B	≥2 ,,,,	TER U <mark>N</mark> LTE
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 BITEL	nti≥2nti	WUTER ON
I)_ 	for rewirable plug connectors, between any metal part of the cord anchorage, including clamping screws, and the earthing contact or earthing terminal	B	≥ 2	NIFEK
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	B B	≥2 ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	EK TEK



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Victor Muri	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	* #		EF P
Insul	ation or disconnection tested	Type of insulation	Test voltage [V]	Flashover / breakdown (Yes/No)
a)	for appliance inlets with a connector in engagement, between the current-carrying contacts connected together and the body	WR W	3000	WALLER -
b)	for appliance inlets with a connector in engagement, between each pin in turn and the others connected together	F TEL	1500	SIEK IEK
c)	for appliance outlets with a plug connector in engagement, between the current-carrying contacts connected together and the body	R R	3000	WALTEK W
d)	for appliance outlets without a plug connector in engagement, between the current carrying contacts connected together and the body	R	3000	WALTER WALT
e)	for appliance outlets with a plug connector in engagement, between each pin in turn and the others connected together	THE SITE	1500	NITER - NITER
f)	for connectors, between the current-carrying contacts connected together and the body	R	3000	No
g)	for connectors, between each contact in turn and the others connected together	F	1500	No
h)	for plug connectors, between the current-carrying contacts connected together and the body	R	3000	mr - m
i)	for plug connectors, between each contact in turn and the others connected together.	MLIF WILL	1500	ourie nuri
Addit	ional test for rewirable connectors and plug connectors:	A 15	Alt.	TEX TEX
j) ⁵⁰	for rewirable connectors, between any metal part of the cord anchorage, including clamping screws, and the earthing contact or earthing terminal	BACK BACK	1500	et mitet m
k)	for rewirable connectors, between any metal part of the cord anchorage, excluding clamping screws, and a metal rod, of the maximum diameter of the cord as specified in Table 2, inserted in its place	VB VI	1500	unifek uni
l)	for rewirable plug connectors, between any metal part of the cord anchorage, including clamping screws, and the earthing contact or earthing terminal	MULTE B WALL	1500	OF TEX
m)	for rewirable plug connectors, between any metal part of the cord anchorage, excluding clamping screws, and a metal rod, of the maximum diameter of the cord as specified in Table 2, inserted in its place	THE BUTTER	1500	MULLER ON

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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

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	Standard sheet	:	Dimensions for non- standardized	_
16.2	Verification of the maximum withdrawal	force	and the set of	Р
Sample N°			e connector / appliance outlet did not remain in the appliance inlet / plug connector (Y/N)	
2, -	50	MILL	Mr. 1A. An. An.	Р
NETE - MET	50	, et	ALL YE STOT STOT	P
+	50	Mr. Au Au 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	March 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 - LIE	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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ALI MULT	Aller Angel Angel Angel	IEC 60320-1	iter inties while w	HILL MAIL MAI	
Clause	Requirement + Test	MUT, MILL M.	Result - Remark	Verdic	t

20	TABLE: Normal op	peration		at let let	P
m. m	Rated current [A]		2.5A	any any	
UER SUE	Rated voltage [V]		250V	TEK STEK	_
Sample N°	Test voltage [V]	Test current [A]	Power factor [cos Φ]	Number of strokes	
71/2.	14 24	Test conditions for	0,2 A connectors	WILL AND AND	71/1
Jak .	JEE MITE WITT	Muri Aur m		4000	
1/1 - 1/1		LEK TEK SITE	White white whi	4000	200
LIFE NI	Strantification of	No. Mo.	1 A 10	4000	NOTE:
h. 20.	Test cond	ditions for connectors a	and appliance outlets >	0,2 A	
JER TOTE	250	2.5	0.6	2000	P
	7t 1t	y ciek nitek ni	mi mi	6000	Р
NATE OF	250	2.5	0.6	2000	Р
7	d 75 50	LITER WILL	Mur - in M	6000	Р
مالا - المالي	250	2.5	0.6	2000	SIL P
		The The Marie	The sales sales	6000	Р



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r	TEN WITE	IE(C 60320-1	Ce Write
X.	Clause	Requirement + Test	Result - Remark	Verdict

15.3	ex whi	TABLE: Dielectric strength - Repetition after clause 19 + 20	TEX MALTEX	WALTER WALT	EF MILE P
Insul	lation o	or disconnection tested	Type of insulation	Test voltage [V]	Flashover / breakdown (Yes/No)
c)	betw	ppliance outlets with a plug connector in engagement, een the current-carrying contacts connected together the body	unit R unit	1500	Arries Arries
d)	enga	ppliance outlets without a plug connector in agement, between the current carrying contacts ected together and the body	R	1500	y war.
e)		ppliance outlets with a plug connector in engagement, een each pin in turn and the others connected together	, IF	750	2112 20
f)	for connectors, between the current-carrying contacts connected together and the body		R	1500	No No
g)		onnectors, between each contact in turn and the others ected together	NITE F INT	750	No
Addit	ional te	est for rewirable connectors and plug connectors:	at let	CIEN S	TEK MITEK
j)	for rewirable connectors, between any metal part of the cord anchorage, including clamping screws, and the earthing contact or earthing terminal		750	s white wh	
k)	cord rod,	ewirable connectors, between any metal part of the anchorage, excluding clamping screws, and a metal of the maximum diameter of the cord as specified in e 2, inserted in its place	B	750	onlies white
-		ary information: lation: F (Functional); B (Basic); S (Supplementary); R (R	einforced)	White M	ir mir



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

21	TABLE: Temperatur	e rise		of the text	Р	
" " " " " " " " " " " " " " " " " " "	Non-rewirable connectas delivered	ctors/plug connecto	rs are fitted with cords	Non-rewirable	_	
Rewirable connectors/plug connectors are fitted with cords according to Table 9 and a cross sectional according to Table 8						
Appliance outlet are fitted with conductors according to Table 8						
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.		
CATELLY,	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	ALTE - 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	- July 1	the connector/applian	ice outlet -	P	
LIFE SLI	Type of connector /	appliance outlet /	rated current:	2.5A		
12 - 211 -	Standard sheet:			mr - m		
16.2	Verification of the m	aximum withdraw	al force	TER STEEL OF	Р	
Sample N°	Maximum wit (multi-pin		The connector / ap not remain in the ap connect	pliance inlet / plug		
A COLOR	(th _ (th _ (th' 5	0 m. n. n	Y	at at at	Р	
21/2 - 21/2	5	0 /L /	A The state of the state of		Р	
16th- 15th	5	0	Y	t ret ret	P	
16.3	Verification of the m	inimum withdrawa	al force	Mur Mur A	Р	
Sample N°	Minimum witl (single-pin		The single pin gaug			
- 76t	JEK SIET MITT	5,000 000	Y	at at at	Р	
241 11	_ 1	5	Y The Market Y	KLI WILL WILL	√nP	
	A 15 15	5	Y		P	



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i gini	IEC	C 60320-1	Mur. Alle.
Clause	Requirement + Test	Result - Remark	Verdict

Supplementary information:

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

22.2.3	TABLE: Pull test for ca	ble anchoraç	je ")	L St	N/A
Sample N°	anchorage (2/3 of Table	applied on clamping screws of cord ge (2/3 of Table 13) [N m] rewirable constructions):				_
	Type of cord	Nominal cross-sectional area [mm²]	Torque (1 min) [N m]	Displace- ment of cord [mm]	MILIER S	
in The	V Y A Y J A	ل - ایر∖	SELF FEET	The suntil	10-	-10
CEL -CER		(- ra)	- C		, (24	5EX - 15E
Supplement	ary information:	JEK JUE	CLIEF SINLY	MALL 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)



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THE WALTE	min me me me	IEC 60320-1	EK MITEK WALTER WAL	an'i	C. Alleria
Clause	Requirement + Test	The All the	Result - Remark	+ 4	Verdict

TABLE: Flexing test						N/A
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)				_		
Type of cord	Nominal cross- sectional area [mm²]	Test current [A]	F	Force [N]	Number of flexings	EK WILTE
x x - 1 1	F 36 .	nite - nite	MAL	- and	445 - 44	2, -
the still the still	2112	4	, i	L St	26t- 26th	J. J
	Before the test: Ageing for connectors according to 2 24.2.3 (80 °C ± 2 °C / 168	Before the test: Ageing for rewirable connectors according to 24.2.2 (70 °C 24.2.3 (80 °C ± 2 °C / 168 h)	Before the test: Ageing for rewirable connectors/plug connectors according to 24.2.2 (70 °C ±2 °C / 240 h) 24.2.3 (80 °C ± 2 °C / 168 h)	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)	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)	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)

23.3	TABLE: Lateral pull test	ABLE: Lateral pull test			
LIER	After the test: comply with 16.3	at the fift of	_		
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)	WALTER		
J	1.5	Y	ďΡ		

23.4	TABLE: Im	Impact resistance			
Surfac	e tested	Impacts per surface	Impact energy [J]		
Shroud (4 p	olaces)	3x	TEL NITE 0,5	Р	
Supplemen	tary information	on: If the same with the	The state of the s	- TEX	

24.1 TABLE: Resistance to heat – Ball pressure test						
TANK!	Allow	ed impression diameter [mm]		: max	2 mm	_
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 mile	MA P
Connector support pa	100	SABIC JAPAN L L C	Black	125	1.1 1.1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	INLT P
	6 3	to the text white we	J. (127)	11/2 -11/2	20 - 20	



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Var min	My My My	IEC 60320-1	Et MIET WHITE WHITE WA	7112
Clause	Requirement + Test	Mr. M. M.	Result - Remark	Verdict

TABLE: Screws, current-currying parts and connections - Threaded part torque test						
	nreaded part lentification	Diameter of thread [mm)	Column number (I or II)	Applied torque [N m]	Number of operations (5 / 10)	
- WALTE	Mer Mer	in	Let Let	- LIFE NIT	inii inii	Take.
- .	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 sail and			
rie un	Rated voltage [V]:	AC 250	_		
٠ .	Overvoltage category:	7/1 // //	_		
MULL	Rated impulse voltage [V]:	2500	_		
J+	Pollution degree:	2	_		
MULT	Material group:	White White white white	_		

Table 26.2 + 26.3 Clearances and creepage distances

Trust 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	1.5 mil	>5.0	2.5	>5.0	
Basic insulation L-N- Contact Earthing contact	1.5	3.0	2.5	3.0	
Supplementary insulation L-N-Contact Accessible surface (unearthed)	NITEL 1.5 JEL W	LIER WALTER WALT	1.8	ant unit o	
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
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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Vie Min	Aug Aug Aug aug	IEC 60320-1	Aury Aury
Clause	Requirement + Test	Result - Remark	Verdict

27.1 T	ABLE: Resistance to heat a	nd fire – Glow-	wire test			P
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	IN LIE NOVILLE	20° 0 40	N	Р
Inlet Body	SABIC JAPAN L L C.	650	LEF NICH	JC 0 JC	N	P
Connector live	part SABIC JAPAN L L C.	750	N	0	N	Р
Connector Bod	SABIC JAPAN L L C.	650	Net N	JE 0. JE	Ñ	In P

27.2	TABLE	LE: Resistance to tracking					_ P
MILITA	Numbe	er of drops	: 50 (5x)			THE MALE	Will
Part unde	r test	Material designation	Test voltage [V]	bre	shover / eakdown /es/No)	Material group	
Insert	4 10	- 121 141	175		No	et - et	JEEN N
Moulding r	material	-	175		No (70, 7	- 2

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

E.4.2		E: Determination of the de ratures above ta	rated operat	ing curren	ts for ambie	nt-	N/A
d s	+ -	current [A]		.: 21	2112 211	L of	_
		Temperature at terminals [°C]		e measure	d at heating ent t _a [°C]	Rated cu	urrent
MULL	Mer	90	L LET	State N	TEX WITE	MULLE MULL	ale
Tempera terminal		Temperature of heating cabinet t _a + steps of 5 °C		e measure	d at heating ent t _a [°C]	Measured [A]	
	J.	et the the		Sample-No		, , , , ,	.+
MITE WA	in any	m. m.	1	2	3	EF JOILE -	inin.
90	+ 16	t _a + 5°C	WrWr.	Mr.	n a	- Jr	et.
90	21/2	t _a + 10°C	A - A	SEE .	LIER - NITE	11 11 11 11 11 11 11 11 11 11 11 11 11	ال
90	TEN	t _a + 15°C	7/2	1/1 - 1/1		A 76	+ 4
90	apr.	t _a + 20°C	- 3EF	JE - 01	11-17°	WILL WILL	20,0
90	JEH .	t _a + 30°C	145 1		74	et et	CEN
90	-24	t _a + 35°C	- J ⁽²⁾	EF WITE	white wh	in -	21/2
90		t _a + 45°C	2		2 - /3	t get	JEK
90	N. Y	t _a + 50°C	11 El 11 E		- July	11/2 1/1	,
90		t _a + 55°C		<u></u>	1	JEE J	EF IC
90		t _a + 60°C	ET MITTER	weil - we	700	21/2 21/2	4,



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	IEC 60320-1	
		100

Clause Requirement + Test Result - Remark Verdict

	E: list of critical com			42, 41, 4	11 11
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



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CICICIOC	AS/NZS 60320.1	TEX TEX TEX STEE	الاله المالة			
Clause	Requirement + Test	Result - Remark	Verdict			
AS/NZS 60	0320.1:2012	Et alit mit with wi	an c			
	X ZZ - VARIATIONS TO IEC 60320-1, Ed.2.1 (2007) F	OR APPLICATION IN AUSTRAL	IA AND			
16.1	In the first dash point, add the following to the first li	ne after '16 2':	20.			
10.1	or by the test of 16.201	ne allei 10.2 .	1122			
16.0.201		amative to the test of	* D			
16.2.201	The following test is considered to be a suitable alte Clause 16.2:	ernative to the test of	TITLE PILI			
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 PEK WALEK			
un un LIEX unLIS LA LEX	Manually align the connector in the appliance inlet to minimize the effect of misalignment between mating components and any other friction increasing factors, so as to attain the best practical position for minimum resistance to withdrawal.	White white white whites	MITEL MY			
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			
	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 text with all	N/A			
7	(b) 155 ±2°C for connectors for very hot conditions	Mr. Mr. M. M.	N/A			
17.	Add the following sentence at the end of the third paragraph					
LIEK WAL	The 'Test of Earthing Connection' in AS/NZS 3100 may be applied as an alternative to the test of Clause 21.	WILEY WILLEY WHITEK WHITEK	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.		* 7 E*			
and a	Insert the following new paragraph after the third pa	ragraph:	2/1/2			
INLIEK WALTE	In the case of a connector failure using an appliance inlet with brass pins, the test may be repeated using an appliance inlet with hardened steel pins (and compliance with hardened steel pins shall override a failure when using an appliance inlet with brass pins).	MILIER MILIER MILIER WALTER	WALTER WAS			
21	Add the following sentence at the end of the fourth	paragraph:	ier mite			
TEX.	Alternatively, the connector is inserted into an appliance inlet complying with this Standard.	THE THE THE	N/A			



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Clause	Requirement + Test Result - Remark	Verdict
an in	Add the following text to the end of both the fifth and sixth paragraphs:	1/11/2
, let	until the temperature is stabilized.	Р
22.4	Table 6 Add the following new Note:	
itek wite	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.	
A.	Insert the following new paragraph before the Note:	
Write M	In particular, the following shall be checked by inspection:	un P
TEX JUNES	(a) Live parts shall not be exposed so as to impair compliance with Clause 10.	NITE PUI
	(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
	(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.	UNE P
27.1	Delete the words 'with a rated current exceeding 0,2 A' from the second paragraph.	
MUTE	In the first dash point add the following text after 'in position':	
Test .	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		I 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

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Clause	Requirement + Test	Result - Remark	Verdict
ZA2	ADDITIONAL REQUIREMENTS	EX OLITER AND THE AND THE	y P
Scope	Appendix ZA is applicable to appliance couplers classified as Group 2 with rated voltage not exceeding 250 V and for a	Whites whites whites	WALTE WATE
	current rating not exceeding 250 V and for a current rating not exceeding 63 A.	ALTEK WALTER WALTER W	LITER MALTER W
3.202	Group 1 appliance coupler	CH TEX TEX	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 N/A
3.203	Group 2 appliance coupler	The state of	P
unit whi	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	aintie whitek whitek wh	TER NITER ON
y whitek	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 MILLE	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 mp
7.1.1	Add the following dash point	The Marin of	L P
	The temperature class assigned by the manufacturer, with a minimum of 70°C for Group 2 appliance couplers.	TE WATE WITH WAL	P
8.1	Add the following dash point:	of the little outer	Р
MUTTEK M	The temperature class assigned by the manufacturer, for Group 2 connectors having a temperature classification above 70°C.	with whitek whitek	MILLE MALLER
8.2	Add the following paragraph:	a at at	THE STEP
EK MUTTER	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 whi	N/A
9.1	Delete existing text and replace with the following:	- it let let	P
MITER WA	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	NITE UNLIFE WALLES
	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 AND	THE THE THE



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" alle	AS/NZS 60320.1			
Clause	Requirement + Test	Result - Remark	Verdict	
Mariex Mariex	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.	NLIEK WALTER WALTER WALTER	A LEE WALL	
where w	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 MILIER O	
TEK UNLT KUNLTEK UNLTEK	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.	LITER WHITER WHITER WHITER	P ALTE VINITE	
9.4	Add the following dash point	Mr. Mr. A.	Р	
er vil	Group 2 connectors with appliance inlets having a temperature class greater than that of the connector.	Multer white	MALL P W	
9.5	Add the following paragraph	LIER MALLE 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.	* WHITEK WHITEK WHITEK W	PIE	
9.6	Add the following paragraph:	THE STEE STEEL STEEL STATE	N/A	
LIET WAS	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 WHITER	N/A	
10.1	Add the following after the second paragraph:	THE MALL WALL W	N/A	
NLTEK JUN	Group 2 connectors may have an accessible earthing facility provided that no earthed part is held during insertion or withdrawal.	WALTER WALTER WALTER WALTE	N/A	
10.4	Replace the first sentence with the following:	TEX TEX STEX SUITER	N/A	
	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 THE WALLER WALLER	N/A	



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Clause	Requirement + Test	Result - Remark	Verdict
	Trequirement Freet	Troodic Tromain	Volume
13.12	Replace the first paragraph with the following	"NUT,	N/A
UNLIER W	Fuses shall not be incorporated in Group 2 connectors.	ALIEK MATER MATER	N/A
15.3	Add the following after the third paragraph:	200	N/A
EK UTEN	When a Group 2 connector has an automatic temperature control and the control has an 'off' position marked, the following test shall be applied.	MITER WILL WILL W	N/A
	The switching device shall be turned to the 'off' position. The connector shall then be subjected to a temperature of 0°C for a period of 1 h. Immediately following this procedure, a high voltage test of 1000 V a.c. shall be applied across the open contacts and there shall be no failure or arcing over.	t while while while	N/A 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.	est outliest mainest main	N/A
18.2	Add the following to the first paragraph:	Wir Mrs Mrs	N/A
NITET WA	Group 2 rewirable connectors are fitted with the appropriate flexible cord specified by the manufacturer.	The state of	N/A
Mur	The temperature class assigned by the manufacturer ±2°C for Group 2 connectors;	TE WALTE WHIT WAS	N/A
18.3	Add the following to the first paragraph:	A LIER NITER WIFE	N/A
INLITER AND	The temperature class assigned by the manufacturer ±2°C for Group 2 appliance inlets;	ret tet tet	N/A
22.1	Add the following after Table 4:	any any any	Р
EX WALTER WALTER WALTER	For Group 2 non-rewirable connectors, the flexible cord shall—	NIFEK WALTER WALTER W	LITER MILITE P. MI
	 (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	
22.3 Meritek	Add the following after Table 5:	LIER OLIER WITE WA	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.	t writer writer write	N/A



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" Wer.	AS/NZS 60320.1			
Clause	Requirement + Test	Result - Remark	Verdict	
Whitek 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.	WILLER WILLER WILL	N/A	
LIEK WIN	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.	THE WILEY WILLEY	N/A	
22.4	Add the following after Table 6:		N/A	
NITER	Group 2 rewirable connectors are fitted with the lightest duty flexible cord recommended by the manufacturer.	t let tet tel	N/A	
NITEK W	Group 2 rewirable connectors are fitted with the lightest duty flexible cord recommended by the manufacturer.	with with white	N/A	
TEX WILL	For Group 2, the smallest and largest nominal cross-sectional area conductors, as recommended by the manufacturer, are used.	LITER WALTER WALTER WA	N/A	
L KLIEK	This Clause applies with the following addition:	at at the st	N/A	
MILIER WILLER	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,	whitek whitek whitek	N/A MALTER	
	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.	IF WHILL MULLE MA	N/A	
27.1.2	Replace the last paragraph with:	ALTER WALTER WALL	N/A	
Mrtiek M	NOTE Decorative trims, wiring insulation, knobs and other small parts unlikely to be ignited or to propagate flames are not tested.	MALTER WALTER WALTER	write w/A	

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Requirement + Test

Clause



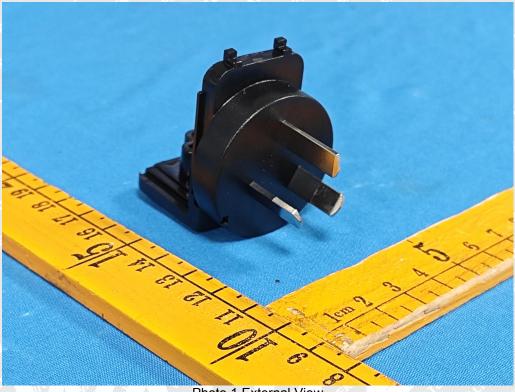






Photo 2 External View



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Clause Requirement + Test Result - Remark Verdict



Photo 3 External View



Photo 4 External View

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

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