



TEST REPORT

Reference No:		WTX23D10218937Z001
Applicant:	, , , , , , , , , , , , , , , , , , ,	GlobTek, Inc.
Address ::	Cler	186 Veterans Dr. Northvale, NJ 07647 USA
Manufacturer:	.	GlobTek, Inc.
Address ::	4	186 Veterans Dr. Northvale, NJ 07647 USA
Product Name:		Blades-R
Model No:	an,	R-NA-3
Total pages:	J. 6	42 Pages
Standards:	SEX.	 ☑ IEC 60320-1: 2021 Appliance couplers for household and similar general purposes – Part 1: General requirements
Date of Receipt sample :		2023-10-18
Date of Test:	ال	2023-10-18 to 2023-11-15
Date of Issue		2023-11-30

Remarks:

Test Result.....

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

Pass

Prepared By: Waltek Testing Group Co., Ltd.

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Compiled by:	Approved by:
Vave Ferg	Sam 2:
Dave Feng / Project Engineer	Sam Qi / Designated Reviewer



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Blades-R
GlobTek, Inc.
R-NA-3
250V~, 50-60Hz,2.5A

The product with models R-NA-3 is Power supply with detachable US plug and connector The maximum ambient temperature specified by manufacturer is 40°C.

Summary of testing:

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

Copy of marking plate:

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

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Test item particulars	WILL MITT MITT MINT MINT MINT MINT MINT
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 WAY 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	LITE WALTE WALL WALL WAS THE WALL WALL 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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Possible test case verdicts:	WILL MALL MALL AND AND AND AND
- test case does not apply to the test object:	: N/A
- test object does meet the requirement	P (Pass)
- test object does not meet the requirement	F (Fail)
Testing:	White Man And And And And And And And And And An
Date of receipt of test item	2023-10-18
Date (s) of performance of tests	2023-10-18 to 2023-11-15
General remarks:	write with war were an an a
"(See Enclosure #)" refers to additional information a large "(See appended table)" refers to a table appended to the suppose the suppose that the suppose the suppose the suppose that the suppose the suppose that the suppose th	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:	at the title state of
Products covered by this test report are Connector The product Rating(s):250V~,50-60Hz, 2.5A	



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N. Much	My My My M	IEC 60320-1	SEE MITTER WALTER WAL	it was was
Clause	Requirement + Test	Mr. M. M.	Result - Remark	Verdict

8	MARKING	Р	
8.1	General		
TEX .	Appliance couplers are marked with:	TE P	
jk √.	- name, trademark or identification mark of the manufacturer or responsible vendor	Р	
m	- type reference R-NA-3	Р	
3.2	Additional markings	Р	
"Cit	Standardized connectors/plug connectors in accordance with IEC 60320-3 and all non-standardized appliance couplers are additionally marked with:	P	
Ver 1	- rated current (A) (except 0,2 A connectors) 2.5A	Р	
d.	- rated voltage (V)	P	
100	- symbol for nature of supply ~	Р	
k NALTE	- marking to identify the type of conductors suitable for screwless terminal	N/A	
3.3	Appliance couplers for class II equipment	P	
MEL	Appliance couplers for class II: Not marked with the symbol for class II construction	n P	
8.4	Symbol or alphanumeric notations	P	
L	Correct symbols are used	, P	
MUL	Marking for the nature of supply placed next to the marking for rated current and rated voltage	Р	
8.5	Legibility of marking	Р	
TEX	Connectors/plug connectors: Marking according to 8.1, is still easily discernible	Р	
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 Walif	- 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	
iek uni	Appliance inlets/appliance outlets, other than those integrated or incorporated in an appliance or equipment, have terminal markings to correspond with this subclause	N/A	
· NITE	Rewirable connectors/plug connectors are supplied with the following instruction:	N/A	
20,	- method of connection of the conductors:	N/A	
A EFF	- method of the operation of the cord anchorage:	N/A	



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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	WILL BY
8.8	Test and inspection	at the left	P.
20/2 1	Test: 15 s with water, 15 s with petroleum spirit	WILL MULL MULL	z _{II} . 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	Mus Aut Aut	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	NITEK MAL P
9.3	Compatibility	ALTER OF	The Party Party
	It shall not be possible to engage (using a force of 60 N for 60 s):		
MULL	- connectors for class II equipment in appliance inlets/plug connectors for class I equipment	MILIE MILLE WALLE	P
MALTE.	- plug connectors for devices of protection class I in connectors/appliance outlets for devices of protection class II	WALTER WALTER WALTER	WALTE WAR
ineria di	- connectors for cold conditions in appliance inlets/plug connectors for hot or very hot conditions	LIET WALTER WALTER W	Р
iter whit	- plug connectors for cold conditions in appliance outlets for hot or very hot conditions	EX MUTER MUTER MIT	Pi
WALTER	- connectors for hot conditions in appliance inlets/plug connectors for very hot conditions	MALIER MILIER WHITE	White Mr.
MALTEK	- plug connectors for hot conditions in appliance outlets for very hot conditions	LIET WITH WITH	INLIEK UNLE
SLIEK NA	- connectors in appliance inlets/plug connectors having a higher rated current than the connector	TEX SEX SEX	TEK NITEP
iek ite	- plug connectors in appliance outlets having a lower rated current than the plug connector	+ 12 74 75 T	Р
- 15th	Test: Engagement of a connector or plug connector with a force of 60 N for min. 60 s	mer mer me	THE P
AND	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		ur au
Clause	Requirement + Test	Result - Remark	Verdict
NINETEK VII	Standardized appliance couplers shall comply with the relevant standard sheets according to IEC 60320-3	White whit will white	N/A
9.5	Dimensions for non-standardized appliance coup	lers	P
EK TER	Non-standardized appliance couplers are acceptable if do not adversely affect the purpose and safety of standardized appliance couplers	THE WALTE WALTE WALE	JI PAT
WALTER V	There are no small deviations from the dimensions as specified in the standard sheets which give the impression of a standardized coupler which could lead to it being mistaken for a standardized appliance coupler	united united united unit	P
ik in	No changes which adversely affect the contact-making ability	The Marie Marie Marie	Р
	It is not possible to engage a part of a non- standardized appliance coupler with a complementary part of a standardized appliance coupler complying with the standard sheets in any part of IEC 60320	MUTER MUTER WITER ON	IN PIN
MULTER W	It is not possible to engage a part of a non- standardized appliance coupler with a complementary part of a standardized appliance coupler for direct current	NITER WHITE WHITE WHITE	WALTER AND
HEL WALTE	It is not possible within a given system to make connections other than in the intended position or to make partial connections causing deformation which can impair the further use of the appliance for:		
t Ket	- a connector and associated appliance inlet	at at at a	P
All .	- an appliance outlet with the associated plug connector	MULTE MILL WAY VIN	Р
10	PROTECTION AGAINST ELECTRIC SHOCK		Р
10.1	Accessibility of live parts		P
'F 'NU.	Live parts of appliance couplers are not accessible when in partial or complete engagement	the white white	N Pil
MULL	Live parts of connectors/appliance outlets are not accessible	Whitek whitek white wh	P
	Connectors with enclosures or bodies of elastomeric or thermoplastic material: test made with the standard test probe B of IEC 61032 applied for min. 30 s with a force of 20 N	INTEX MILITA WALTER WALE	Р
10.2	Protection against single pole connection	in the the the	Р
Y WILEY	Connection between a pin of an appliance inlet/plug connector and a contact of a connector/appliance outlet is not possible as long as any of the pins is accessible	HUNTER WATER WATER AND	ni Par IP-muitex
10.3	Protection against access to live parts	2115 211 25 2	P



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IEC 60320-1			
Clause	Requirement + Test	Result - Remark	Verdic
TEX.	It is not possible to remove parts preventing access to live parts without the aid of a tool	white min with white	P
une w	Bushes are adequately fixed, and it is not possible to remove them without dismantling the connector/appliance outlet	tex tex tex witex	P
10.4	External parts	Mr. Mr. M.	Р
MULL	Insulating material for external parts of connectors, appliance outlets and plug connectors	white white white	,P ¹
10.5	Shrouds	let tet tet still	N/A
NATER OF	Insulating material for shroud and base of appliance inlets without earthing contact and those of 2,5 A appliance inlets/appliance outlets with earthing contact	THE MILITER WHITER	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	whilet whilet while	P
12	TERMINAL AND TERMINATIONS		Р
12.1	General	an an	Р
NETER WAL	Requirements in the appropriate IEC standard apply for the terminal and terminations	THE WALLE WALLE OF	P
IER MILTE	Clamping means of terminals do not serve to fix any other components	WALLE WALLES WAL	P
12.2	Rewirable appliance couplers	at let tet tet	N/A
TILL.	They are provided with screw-type clamping units or screwless clamping units according to IEC 60999-1	MULT MULT MULT AND AND	N/A
12.3	Non-rewirable appliance couplers	WILL MULL MULL MULL	Р
LIFE'S WALT	They are provided with soldered, welded, crimped or equally effective screwless connections:		TEK-P
ek anliek	The possibility to disconnect the conductor is not allowed	TER STER STER MET	L P
13	CONSTRUCTION		Р
13.1	Risk of accidental contact	TEX STEEL BLIEF WHILE	n P
ULIEK MU	There is no risk of accidental contact between earthing contact of appliance inlet/plug connector and current-carrying contacts of the connector/appliance outlet	TEX MUTER MUTER MUTER	P LITE
13.2	Contact positions	EX OLIER WIFE WILL MAN	Р
+ NLIEX	In non-reversible connectors/plug connectors the conlooking at the engagement face as shown in the standard		N/A
7	Position shall be set out as in Table 1:	Mr. M. An	N/A
Wile al	Connectors:	TEX TEX STEP OUT	N/A

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



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Clause	Requirement + Test	Result - Remark	Verdic
450			2000
13.4.3	Non-solid pins	111, 12,	P
in _{ry} in	Test for non-solid pins	THE WALL WALLE	Р
JEK AL	A force of 100 N applied for 60 s + 3/0 s by means of a steel rod having a diameter of 4,8 mm	at at all the	LIEW P
	After the test: - no significant alteration in the shape of the pin	and any on the	Р
13.4.4	Pins for appliance couplers for higher ambient ter	mperatures up to +90 °C	N/A
WALTER V	Pins for plug connectors or appliance inlets made of solid material	THEE MILES WHITE WHITE	N/A
13.5	Contact pressure	t at at at	Р
iek wik	Contacts of connectors/appliance outlets are self- adjusting so as to provide adequate contact pressure	of the lifet will be	Р
MALTER	Self-adjustment of the contacts in connectors/ appliance outlets other than 0,2 A, does not depend upon the resiliency of insulating material	WILL WILEY WILLEY WALL	P
13.6	Enclosure	The state of	P
13.6.1	General	WILL WILL MULT WILL	III. P
NITEK MILI	Parts of the body of connectors/plug connectors are reliably fixed to one another	THE MITTER IN	LITE P
13.6.2	Rewirable connectors and rewirable plug connect	tors	N/A
WALTE	It is not possible to dismantle the connector/plug connector without the aid of a tool	White Mills While My	N/A
WILLE .	Terminals and the ends of cord - completely enclosed by the enclosure	WALTER WALTER WALTER WALTER	N/A
J. T. Eller	Construction is such that conductors can be properly	connected and is unlikely that:	N/A
7. [3]	- cores are not pressed against each other causing damage	the state of	N/A
* "S*	- cores of live conductor not pressed against accessible metal parts	it white must make m	N/A
When	- core of earthing conductor not pressed against live parts	WHITE WHITE WHITE WHI	N/A
White w	It is not possible to assemble the rewirable connector in such a way that terminals are enclosed and contacts accessible	INTER WHITE 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	t let let liet w	N/A
10,	Thread-cutting screws are not used	Mer Mer Mer M.	N/A
WALTER	Resiliency of the contacts does not depend upon the assembly of the parts of the body	LIER WIFE WIFER WITH	N/A



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Clause	Requirement + Test	Result - Remark	Verdic
Clause	Requirement + Test	Result - Remark	verdic
MALTER W	Partial loosening of assembly screws does not allow the detachment of parts providing protection against electric shock	WILL MILES MILES WHILES	N/A
13.6.3	Non-rewirable connectors and non-rewirable plug	connectors	A P
in and	Accessories are such that:	TER MITE WALL WALL OF	P/
ek Malifek	- flexible cable cannot be separated from the accessory without making it permanently useless	THE DITER MITTER WAY	I P
OLITEK	- accessory cannot be opened by hand or by using a general purpose tool	TEX TEX TEX STEE	Par
13.7	Earth connection	ner me me	Р
Ville AN	Earthing contact/earthing pin of connector/plug connector is fixed to the body	LITER WALTER WALTER	nii P
TEK WILTE K ALTEK	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	H WALTER WALTER WALTER WA	Р
LEX.	Metal part of appliance coupler, designed that corrosion do not impair safety	must and any and	P
NICE N	Connection between earthing contact/earthing pin and earthing terminal is of metal resistant to corrosion	nite white white white	P
13.8	Location of terminals and terminations	-1 (m. m. n.	Р
13.8.1	General	The Little Williams	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	Whitek Whitek Whitek White	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	LIER WHITER WHITER WHITER	P
13.8.2	Free wire test for rewirable accessories	711	N/A
Mer	Test with 6 mm free wire of in every possible direction	RITER WITE WALL WALL	N/A
WALTEK 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	MITER WHITER WHITER	N/A
ALTEK WAY	Free wire of a conductor connected to an earthing terminal does not touch a live part	TEX WITHER WITHER WHITER	N/A
13.8.3	Free wire test for non-rewirable non-moulded-on a	ccessories	N/A
MUT	Test with a free wire of length equivalent to the maxim declared by the manufacturer plus 2 mm	um designed stripping length	N/A



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Clause	Requirement + Test	Result - Remark	Verdic
Olduse	Trequirement - Fest	Tresait Tremain	Verdio
MUTER M	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 writes writes write	N/A
	Free wire of a conductor connected to an earth termination does not touch any live part	FEX WHITEX WHITEX WHITEX.	N/A
13.8.4	Free wire verification for non-rewirable moulded-	on accessories	N/A
WUTER A	Verification of means to prevent stray wires reducing the minimum distance through insulation to external accessible surface below 1,5 mm	THE STIEF WITH THE	N/A
13.9	Connectors/plug connectors without earthing cor	ntact	N/A
iner om	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 WALLEY WALLEY WALLEY	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
NITEK WIL	Fuses, relays, thermostats and thermal cut-outs incorporated in appliance inlets and appliance outlet comply with the relevant IEC standards	neit with with with	N/A
	Switches comply with IEC 61058-1 (all parts)		N/A
WILL	Energy regulators comply with IEC 60730-2-11	THE WITH MITTER WI	N/A
14	MOISTURE RESISTANCE		Р
MUF.	Test samples kept in a humidity cabinet containing air with relative humidity maintained between 91 % and 95 % for:		УP
unite an	- 168 h (seven days) for appliance coupler with earthing contacts	LIER WHITER WHITE	Р
ITER MIT	- 48 h (two days) in all other cases	et tet tet stet steet	N/A
Et JET	After this treatment the test sample show no damage	in the text	Р
15	INSULATING RESISTANCE AND ELECTRIC STRE	NGTH	Р
15.1	General	at at our of	Р
All A	Adequate insulation resistance and dielectric strength for appliance coupler	inci mi mi wi	P
15.2	Insulation resistance	THE WALL MALL MALL	I P
	The insulation resistance measured 60 s ± 5 s after application of 500 + 50 V d.c.	see appended Table 15.2	NI EK P
15.3	Dielectric strength	* * * * * * * * * * * * * * * * * * *	e - P.
ant .	Electric strength: a.c. test voltage applied for 60 s ± 5 s	see appended Table 15.3	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	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
LEK 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 Control of	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	THE STEEL MITTER SPITEL	P-
	Compliance checked by testing	see appended Table 19	Р
ire w	During the test: no flashover and any sustained arcing	HER 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	Demilianish L Tabl	Decult Democrit	\/= ==! =!
Clause	Requirement + Test	Result - Remark	Verdict
70.	- deterioration of enclosures or barriers	mr. mr. m. m.	Р
INLIFE M	- damage to the entry holes for the pins	TEX TEX STEX WIFE	P
· ·	- loosening of electrical or mechanical connections	Ve the the	Р
الماران الماران	- seepage of sealing compound	TEX LIFEX MITER MITER	N/A
+ 1+	The electrical safety is not impaired	1/1, 2, 2,	Р
21	TEMPERATURE RISE		Р
WALTER	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	PER
ULLEK MV.	Compliance checked for connectors/appliance outlets and plug connectors by testing	see appended Table 21	VINLIT P
TEX WALTE	After the test, the test samples withstand the test of clause 16	et liet witet writer	IN THE P
22	CORDS AND THEIR CONNECTION		Р
22.1	Cords for non-rewirable connector/plug connector	ors lift miter white wh	Р
MUTTEK M	Non-rewirable connectors/plug connectors are provided with cord complying with Table 9 or equivalent:	MITER WHITER WHITER WHITE	MALIE .
LIEK WIL	Type of cord complying with standard indicated in Table 9)	see appended Table 22.1	W TEP W
ek water	Cords have a nominal cross-sectional area not less than that specified in Table 9 (mm²)	see appended Table 22.1	NI EX P
CLIEN	Non-rewirable connectors/plug connectors with earthing contact are provided with a three-core cord	see appended Table 22.1	P
NO N	Connections to the contacts in non-rewirable, non-reversible connectors/plug connectors:	MILL MILL WITH THE	P
in a	- green/yellow core: to the earthing contact	rite with mit mit	Р
TEX SI	- brown core: to the line contact	at at let telt	P
20	- light blue core: to the neutral contact	in murry murry murry	Р
22.2	Cord anchorage	- let let liet in	CI PU
22.2.1	General At Att Market M	aur, aur, au, au	Р
WALTER W	Connectors/plug connectors are provided with a cord anchorage	MITER WHITER WHITER WHITE	JIN P
nlife ^{jk} juni	Cord anchorages of the "labyrinth" type: - withstand the relevant tests	TER DIFFE MITTER	N/A
22.2.2	Additional requirements for rewirable connectors and rewirable plug connectors		N/A
	Additional requirements are:	24 24 24 24 2	N/A
Will.	- it is clear how to relief from strain and prevention of twisting is intended to be effected	NITER MILIER MILIER WAY	N/A



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21,	IEC 60320-1			
Clause	Requirement + Test	Result - Remark	Verdic	
TER.	- it is integral with or fixed to the connector/plug connector	MAT WAT ALL TER	N/A	
m m	- makeshift methods is not used	VILL ANT AND AND	N/A	
LITER WAL	- cord anchorage is suitable for the different types of cord and its effectiveness does not depend upon the assembly	TEK WHITEK WHITEK	N/A	
MULL	- cord anchorage is of insulating material or provided with insulating lining	white writer writer wr	N/A	
WALTER	- it is not possible for the cord to touch the clamping screws, if accessible	JULIER WHITER WHITE	N/A	
JEH .	- its metal parts are insulated from earthing circuit	the set set	N/A	
22.2.3	Pull test for cable anchorage	VILL MULL AND AND	N/A	
ITEK WALTE	Non rewirable connectors/plug connectors: - tested with the cord as delivered	see appended Table 22.2.3	N/A	
WALTER WALTER	Rewirable connectors/plug connectors: - tested first with one and then with the other type of cord, as specified in Table 10	see appended Table 22.2.3	N/A	
CLITER S	During the tests: cord not damaged	let tet liter slite	N/A	
in ,	After the test:	Wer and and	N/A	
NITER NAV	- cord not displaced by more than 2 mm	ART STEEL MATER	N/A	
	- rewirable connectors/plug connectors: ends of conductors have not moved noticeably in the terminals	THE MILITER WAS THE	N/A	
MITER	- non-rewirable connectors/plug connectors there was no break in the electrical connections	STEEL STEEL WITER SINCE	N/A	
22.3	Flexing test	Mr. Mr. Mr.	N/A	
mere an	Guards are of insulating material and are fixed in reliable manner	LIER WHITE WHITE WHITE	N/A	
LIE WALT	During the test: no interruption of the current and no short-circuit between conductors	see appended Table 22.3	N/A	
ek lifek	After the test:	t get get get a	N/A	
20,	- test sample show no damage	mer, mer, mer, mer	N/A	
NETER .	- guard, if any, not separated from the body	let test tiest with	N/A	
70° 7	- insulation of the cord show no sign of abrasion or wear	mer mer mer m	N/A	
iek mile	- non-rewirable connectors/plug connectors: broken strands have not pierced the insulation as to become accessible	the mail was might	N/A	
23	MECHANICAL STRENGTH		Р	
23.1	General	· LIEF STER WITE WITE	Р	
Alt .	Appliance couplers have adequate mechanical strength	Mr. Mr. Mr. All	PL	



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



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20,	IEC 60320-1			
Clause	Requirement + Test	Result - Remark	Verdic	
7/2	- straight pull (N):	Multi Mil Mil Mil	N/A	
23.6.3	Lateral pull test	TEX TEX LIER NITE	N/A	
ξ. 	Compliance checked by the following test:		N/A	
er rer	A lateral pull force according to Table 13, in parallel with the engagement face, is applied to the cable of the connectors/plug connector in four directions in steps of 90° +/- 5°		N/A	
an	- rated current (A):	Write Write Must Must	N/A	
TEN	- lateral pull (N)		N/A	
21/2 1	After the test:	WHILE MILL MULL AND	N/A	
TEN N	- the two parts are not detached	IN SHE SET SET	N/A	
	- parts providing protection against electric shock not loosened	the me and the	N/A	
M	- live parts not become accessible	THE WILL WALL WE	N/A	
24	RESISTANCE TO HEAT AND AGEING		Р	
24.1	Resistance to heat	White were were we	√S ¹ P	
C. C.	Ball pressure test according to IEC 60695-10-2	at let let let	Р	
in i	After the test: diameter of impression ≤ 2 mm	see appended Table 24.1	ZIII P	
24.2	Resistance to ageing		ITE P	
24.2.1	General	a fair and a	Р	
EK WALTE	Appliance couplers of elastomeric material or thermoplastic material shall be sufficient resistant to ageing	White white white an	Р	
24.2.2	Ageing test for elastomeric materials	CLIEB WIFE WALL WALL	N/A	
JUNITEK JUN	Appliance couplers of elastomeric material are kept for 240 h (10 days) in a heating cabinet at 70 °C \pm 2 °C	strek unitek waitek waitek	N/A	
24.2.3	Ageing test for thermoplastic materials	at let let liter	P	
EK WITEK	Appliance couplers of thermoplastic material are kept for 168 h (7 days) in a heating cabinet at 80 °C ± 2 °C	TEX STIER WITER AND	P	
24.2.4	Ageing test assessment	Jil Jil Jil Jil	P	
WELL V	After the tests, samples show:	THE MITE MALIE WALTE	ul P	
et.	- no crack visible	The state of the s	P	
Ver The	- no sticky or greasy material	LIET MILIER MILIE MILIE	Р	
CEL TE	- no trace of cloth (forefinger pressed with 5 N)	e st st set	P	
211	- no damage	" WITH MUTT MEN ME	Р	
25	SCREWS, CURRENT-CARRYING PARTS AND CO	NNECTIONS	Р	
25.1	General	Mury Mur Mur M.	Р	
All the	Connections withstand mechanical stresses	at at let tet	Р	



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121,	IEC 60320-1	in the me me	1/2
Clause	Requirement + Test	Result - Remark	Verdict
TEX	Screws and nuts for connection of conductor: in engagement with a metal thread	Murry Mary Authorities	N/A
n. n	Screws for mounting parts of appliance coupler are not of the thread-cutting type	Will must must must	N/A
er aus	Screws or nut for fixing the base of appliance inlet/appliance outlet on an appliance: any type is possible	tex white white white	N/A
	Screws of insulating material: not used if they could impair insulation	mer and an an	N/A
an .	Threaded parts tightened and loosened:	WILL WELL MET MET WELL	N/A
Wriek W	- one of threaded parts non-metallic material: 10 times	LIEK DIEK MITEK WHITEK	N/A
et e	- both parts of metallic material: 5 times	· · · · · · · · · · · · · · · · · · ·	N/A
" Mer	Threaded part torque test	see appended Table 25	N/A
t the	During the test:	L at at at	N/A
21/2	- not work loose	WHITE MILL WALL WALL WALL	N/A
TEX	- no damage	The state of the	N/A
25.2	Electrical connections		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	Whitek whitek	Р
25.3	Securement connections	E I'V NITE MITE IN	P
LIEK	Screws and rivets are locked against loosening or turning	THE THE LIER WITH	N/A
TEX	Connections between terminals and other parts do not work loose in normal use	while while will the	Р
25.4	Metallic parts	intile white mutically	Р
	Current-carrying parts and earthing contacts: metal having adequate mechanical strength and resistance to corrosion	HER WHITER WHITER WHITER W	Р
MULL	Parts subjected to mechanical wear are not made of steel with electroplated coating	White White White Whi	Р
WALTER V	Under moist conditions, metals having a great difference of electro-chemical potential are not used in contact with each other	MALIER MALIER MALIER MALIER	P
ver an	Material used:	NITER MITE MALTE WALL	P
et e	- copper		N/A
- West	- alloy with at least 58 % copper for cold worked parts or at least 50 % copper for other parts	MULL MILL MILL MI	Р
MILL	- stainless steel with at least 13 % chromium and not more than 0,09 % carbon	White white white whi	N/A



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24	IEC 60320-1	The war was an	- 40,
Clause	Requirement + Test	Result - Remark	Verdict
NUTEK M	- steel with electroplated coating of zinc (ISO 2081); coating thickness at least 5 μm (ISO Service Condition No. 1); thickness [μm]	White were wifer whiter	N/A
LIEK WAL	- steel with electroplated coating of nickel and chromium (ISO 1456); coating thickness at least 20 µm (ISO Service Condition No. 2); thickness [µm]	TEK 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]	Whitek whitek whitek wh	N/A
WILL 1	Checked by inspection or by chemical analysis	TEX SITER OUTER MILE	nn P
26	CLEARANCES, CREEPAGE DISTANCES AND SO	LID INSULATION	Р
26.2	Clearances	LIER WIFE WILLE WHILE	P
26.2.1	Dimensioning	1. M. A. A.	P
, all	Clearances: dimensioned to withstand the minimum rated impulse voltage of 2500 V	see appended Table 26	Р
26.2.2	Minimum values for clearances	TER STEEL STEEL STEEL STEEL	Р
	Clearances for basic, supplementary and functional insulation: not less than the value specified in Table 16	see appended Table 26	PL
er le	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	Р
26.3	Creepage distances	e write with our on	Р
26.3.1	Dimensioning		
unitek un	Creepage distances: dimensioned for the voltage, taking into account pollution degree 2 and the material group	see appended Table 26	P
26.3.2	Minimum creepage distances	the same and the	Р
	Creepage distances for basic, supplementary and functional insulation: not less than the value specified in Table 17	see appended Table 26	n Pun
WITEK S	Creepage distances for reinforced insulation: not less than double than the values specified for basic insulation in Table 17	see appended Table 26	VP MLTEX
26.4	Solid insulation	Mr. Mr. Mr. Mr.	Р
VILLE AND	Solid insulation: capable of durably withstanding electrical and mechanical stresses	LIER WALTER WALTER WALTER.	n P
iek while	Distance through accessible supplementary solid insulation: ≥ 0,8 mm	see appended Table 26	Will Park
L JEL	Distance through accessible reinforced solid insulation:		P
21/2	- ≥ 0,8 mm for rated impulse voltage 1500 V	while men were me	N/A
A BY	- ≥ 1,5 mm for rated impulse voltage 2500 V	4 4 14 114	Р



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N. Column	IEC 60320-1	EL WILL MILL MULL M	er ans
Clause	Requirement + Test	Result - Remark	Verdict
27	RESISTANCE OF INSULATING MATERIAL TO HE	AT, FIRE AND TRACKING	Р
27.1	Resistance to heat and fire	THE THE LIFE OUTE	υP
27.1.1	General 11th 11th 11th 11th 11th 11th 11th 11t	Ver Aug Aug Aug	Р
ek 1ek	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	Pur
27.2	Resistance to tracking	WILL MULL AND AND	N/A
WALTER	Insulating parts supporting, or in contact with, live parts of appliance couplers for hot and very hot conditions, are of material resistant to tracking with a minimum PTI of 175 V (according to Annex A)	see appended Table 27.2	N/A
28	RESISTANCE TO RUSTING		Р
itek whit	No sign of rust on ferrous parts after 10 min in 10 % solution of ammonium chloride, 10 min in box with air saturated with moisture and 10 min at 100 °C ± 2 °C	et whitet whitet whitet	NIFE POLICE
29	ELECTROMAGNETIC COMPATIBILITY (EMC) REC	QUIREMENTS	N/A
29.1	Immunity - Accessories not incorporating electronic components		N/A
VILLEX AND	These accessories are not sensitive to normal electromagnetic disturbances and therefore no immunity tests are required	at white and the	N/A
29.2	Emission - Accessories not incorporating electronic components		N/A
t will	These accessories do not generate electromagnetic disturbances; consequently, no emission tests are necessary	MULTE MULT MULT ME	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 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 the other	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	Verdic	
Ciause	requirement rest	Nesuit - Nemaik	Verdic	
CLEST.	Appliance inlets/plug connectors are kept for 336 h (14 days) in a heating cabinet at 100 °C \pm 2 °C	THE THE THE	N/A	
E.5.2.4	Ageing test assessment	WELL MUE MUE MUE	N/A	
itek wat	After the tests of E.5.2.2 and E.5.2.3 the specimens are taken out of the cabinet and kept at room temperature in a relative humidity between 45 % and 55 % for at least 96 h	TEX WHITEK WHITEK WHITEK	N/A	
20,	After the tests, samples show:	mer mer me m	N/A	
NLTER.	- no crack visible	set set see see	N/A	
4, ,	- no sticky or greasy material	MUT THE ME AND THE	N/A	
NETER NI	- no trace of cloth (forefinger pressed with 5 N)	TEL TEL STEE STEE	N/A	
	- no damage	in the the	N/A	
ir whirek	Then an appliance inlet/plug connector with the same rated current as the connector/appliance outlet is fully inserted and withdrawn 3 times, any lid is opened and closed each time	THE NUTER WHITE WHITE ON	N/A	
J.	After the tests, samples show:	M. M. M. T.	N/A	
WILL J	- no damage	LITER OLITER SPLITE WALTER	N/A	
E.5.3	Resistance to tracking			
EK WALTE	Insulating parts supporting, or in contact with, live parts of appliance couplers for use in ambient temperatures above +35 °C up to and including+90 °C, are of material resistant to tracking, with a minimum PTI of 175 V (according to Annex A)	see appended Table E.5.3	N/A	
E.6	Cords and their connection			
	For standardized appliance couplers:	Mr. Mr. And Andrews	N/A	
antin an	Type of cord:	THE STEE MILE WITE	N/A	
itest anti	- according to the requirements of Table 9 and Table 10	Et TEX STEX SUTEX	N/A	
EK JIEK	- but shall be of rubber or an equivalent elastomeric type	We the the	N/A	
An LEX	- rated for a maximum conductor insulation temperature of +90 °C	Must Aug Mig And	N/A	
11/2 1	For non-standardized appliance couplers:	WILL MULL MULL MULL	N/A	
TEN	Type of cord:	at at at all	N/A	
Ex E	- shall be of PVC, rubber or an equivalent elastomeric type	The water was a	N/A	
MULL	- rated for a maximum conductor insulation temperature of +90 °C	A WILL MULLE MULLE ME	N/A	



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

15.2	TABLE: Insulation resistance			or opt
Insu	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	WAL WA
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	t Tek
d)	for appliance outlets without a plug connector in engagement, between the current carrying contacts connected together and the body	R	10 ≥ 7.00° 1554 - 1554	WEEK IN
e)	for appliance outlets with a plug connector in engagement, between each pin in turn and the others connected together	mF m	≥2	18t (18)
f) 🧬	for connectors, between the current-carrying contacts connected together and the body	nite R _{onti}	≥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	≥ 7	White W
i)	for plug connectors, between each contact in turn and the others connected together.	F	≥2	MLTEY-
Addit	ional test for rewirable connectors and plug connectors:	mr. mr	20,	
j) Sin	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 WILLE
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	EK BITEL	unti≥2 _{nnti}	WUTER ON
I)_ -\ ¹	for rewirable plug connectors, between any metal part of the cord anchorage, including clamping screws, and the earthing contact or earthing terminal	B	≥2 White	LIFEK 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	TIPL B	≥ 2	EK TEK



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

15.3	TABLE: Dielectric strength			P
Insul	ation or disconnection tested	Type of insulation	Test voltage [V]	Flashover / breakdown (Yes/No)
a)	for appliance inlets with a connector in engagement, between the current-carrying contacts connected together and the body	WR W	3000	NATER WALTE
b)	for appliance inlets with a connector in engagement, between each pin in turn and the others connected together	F	1500	STEK -TEK
c)	for appliance outlets with a plug connector in engagement, between the current-carrying contacts connected together and the body	R	3000	WALTER ON
d)	for appliance outlets without a plug connector in engagement, between the current carrying contacts connected together and the body	R	3000	Whites whit
e)	for appliance outlets with a plug connector in engagement, between each pin in turn and the others connected together	TEF STE	1500	NITER -NITER
f)	for connectors, between the current-carrying contacts connected together and the body	R	3000	No
g)	for connectors, between each contact in turn and the others connected together	F	1500	No
h)	for plug connectors, between the current-carrying contacts connected together and the body	R	3000	Mur - Mu
i)	for plug connectors, between each contact in turn and the others connected together.	anti F mi	1500	ynliter while
Addit	ional test for rewirable connectors and plug connectors:	* *	. Let	TEN TEN
j) ^{est}	for rewirable connectors, between any metal part of the cord anchorage, including clamping screws, and the earthing contact or earthing terminal	BIN BIN	1500	est with the
k)	for rewirable connectors, between any metal part of the cord anchorage, excluding clamping screws, and a metal rod, of the maximum diameter of the cord as specified in Table 2, inserted in its place	B	1500	united unit
l)	for rewirable plug connectors, between any metal part of the cord anchorage, including clamping screws, and the earthing contact or earthing terminal	INCT B WITE	1500	ustro u ncit
m)	for rewirable plug connectors, between any metal part of the cord anchorage, excluding clamping screws, and a metal rod, of the maximum diameter of the cord as specified in Table 2, inserted in its place	THE BUTE	1500	Muritin M.

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

16	TABLE: Force necessary to withdraw the con	nnector / appliance outlet	P
211. 211	Type of connector / appliance outlet [A]	: Non-rewirable connectors/plug	_
TEK MUTE	Standard sheet	Dimensions for non- standardized	_
16.2	Verification of the maximum withdrawal force	the state of	P
Sample N°		The connector / appliance outlet did not remain in the appliance inlet / plug connector (Y/N)	
7,	the first the mill and	is my my and	
NETE - WIT	uni un 50 m	+ let Yt stat state	P
k	50 10 10 10 10 10 10 10 10 10 10 10 10 10	Mr. M. A. M. A.	Р
16.3	Verification of the minimum withdrawal force	TEX LIER SLIER WILL M	Pu
Sample N°		single pin gauge did not fall from the ontact assembly within 3 s (Y/N)	* 1011
	1.5 At 1.5 M	The Area of the	Р
INLIE WA	1.5	et tet Yet affet wife	P
·		The And And And	Р

19	TABLE: Breaking capacity					
. 3	Rated current [A]		:	2.5A	The The The	
- 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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View MUITE	Min Mr. Aug My	IEC 60320-1	ier witer walter walt	MILL MILL
Clause	Requirement + Test	Mr. M. M.	Result - Remark	Verdict

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



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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

			-21, /
Insulation or disconnection tested		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	В	750	WULLET ON
for rewirable connectors, between any metal part of the cord anchorage, excluding clamping screws, and a metal rod, of the maximum diameter of the cord as specified in Table 2, inserted in its place	В	750	MITEL WALTE
	for appliance outlets with a plug connector in engagement, between the current-carrying contacts connected together and the body for appliance outlets without a plug connector in engagement, between the current carrying contacts connected together and the body for appliance outlets with a plug connector in engagement, between each pin in turn and the others connected together for connectors, between the current-carrying contacts connected together and the body for connectors, between each contact in turn and the others connected together mal test for rewirable connectors and plug connectors: for rewirable connectors, between any metal part of the cord anchorage, including clamping screws, and the earthing contact or earthing terminal for rewirable connectors, between any metal part of the cord anchorage, excluding clamping screws, and a metal rod, of the maximum diameter of the cord as specified in	for appliance outlets with a plug connector in engagement, between the current-carrying contacts connected together and the body for appliance outlets without a plug connector in engagement, between the current carrying contacts connected together and the body for appliance outlets with a plug connector in engagement, between each pin in turn and the others connected together for connectors, between the current-carrying contacts connected together and the body for connectors, between the current-carrying contacts connected together and the body for connectors, between each contact in turn and the others connected together nal test for rewirable connectors and plug connectors: for rewirable connectors, between any metal part of the cord anchorage, including clamping screws, and the earthing contact or earthing terminal for rewirable connectors, between any metal part of the cord anchorage, excluding clamping screws, and a metal rod, of the maximum diameter of the cord as specified in	for appliance outlets with a plug connector in engagement, between the current-carrying contacts connected together and the body for appliance outlets without a plug connector in engagement, between the current carrying contacts connected together and the body for appliance outlets without a plug connector in engagement, between the current carrying contacts connected together and the body for appliance outlets with a plug connector in engagement, between each pin in turn and the others connected together for connectors, between the current-carrying contacts connected together and the body for connectors, between each contact in turn and the others connected together nal test for rewirable connectors and plug connectors: for rewirable connectors, between any metal part of the cord anchorage, including clamping screws, and the earthing contact or earthing terminal for rewirable connectors, between any metal part of the cord anchorage, excluding clamping screws, and a metal rod, of the maximum diameter of the cord as specified in



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

21	TABLE: Temperature rise					
The The	Non-rewirable connectas delivered	ctors/plug connector	rs are fitted with cords	Non-rewirable	_	
T WE	Rewirable connectors according to Table 9		e fitted with cords al according to Table 8	MULL JULL W	_	
et unité	Appliance outlet are f	itted with conductors	s according to Table 8	alier mile and	_	
SUIFF IN	Torque applied on cla Table 13) [N m]			TEX TEX NITE	_	
Sample N°	Test circuit (L-N)	Test current [A]	allowed dT [K]	measured dT [K]	P	
12 - 24	L-N	1.25*2.5	45	10.7	Р	
TER - TER	L-N	1.25*2.5	45	6.9	Р	
-7,	1 - A	TEX - TEX	WILL MULL MULL	Mer The An	-,	
NOTE A	The MULL MILL	Mr. My	at the set	THE THE STEE	۶۱ ۱٬۰ ۲۶	
Sample N°	Test circuit (L-PE)	Test current [A]	allowed dT [K]	measured dT [K]	P	
u a.	L-PE	1.25*2.5	45	10.5		
JEK- JE	L-PE	1.25*2.5	45	6.8	5EE	
70	V A - 7 / /	A TE - SLITER	LITE - TO	ing me w	'	
Et -CIEK	<u></u>			1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	, (1	
Supplementa	ary information:	TEX SLITER	NITER WALL WALL	Mr. Au. Au.	-2,	
16 July	TABLE: Force nece		the connector/applian	ce outlet -	AILLE	
JEH JU	Type of connector /	2.5A	_			
70 70	Standard sheet:	111 - 12 - 12 - 1				
16.2	Verification of the m	naximum withdraw	al force	TEX (15)	P	
Sample N°	Maximum wit (multi-pin	hdrawal force gauge) [N]	The connector / ap not remain in the ap connecto	pliance inlet / plug		
	the star star 5	0 kg - 411 - 411	Y	A A A	Р	
minital min	5	0,4 10 5	Y STORY	MULT WILL	Р	
TEX- TE	5	0 111 111	Y	t et et	√P	
16.3	Verification of the m	ninimum withdrawa	al force	mer mer an	Р	
Sample N°		ndrawal force gauge) [N]	The single pin gaug			
t set	LIEF SITE SITE	5 00 000 0	Y	at at at	Р	
min m	1.	.5	of all of the y	rit Muri Muri	√″P	
<u> </u>	dt 50 50 1	.5	Y	1 1 1	P	



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Neg alvery	Any Any Any Any	IEC 60320-1	MULT MULT
Clause	Requirement + Test	Result - Remark	Verdict

Supplementary information:

22.1		TABLE: List of	cords connecte	ed to non-rewirable co	nnectors/plug	connectors	N/A
	1	Type of cord	Nominal cross- sectional area [mm²]	Manufacturer / Marking on cord	Approval No.	Type of approval (HAR or others)	Date of issue
	N. C. C.	JEK - STEEL W	IT'S MILITY W	12. 14 14.	t	, , ,	EF - JEK
110	- 711	20, 20,		of the the	LIE THE	inci - ini	Th.

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



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

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

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

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

24.1	TABLE: Resistance to heat – Ball pressure test					
is and	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	Biack	125	1.0 mile	n P
Connector support pa		SABIC JAPAN L L C	Black	125	1.1 1.1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	P
	<u>. ا</u>	- LEK TEK NITE IN		The The	20, 70,	



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C.	TIE WILL	Mur Mar Aller M	IEC 60320-1	TEK MITEK WALTER WA	in whi	- Juni
. <	Clause	Requirement + Test	MUT, MI M	Result - Remark	+ 16	Verdict

25	TABLE: Screws, current-currying parts and connections - Threaded part torque test						
	readed part entification	Diameter of thread [mm)	Column number (I or II)	Applied torque [N m]	Number of operations (5 / 10)		
<u> </u>	mr. mr. a	10 10	Att Att	TE STE	MILLE MILL	100 m	
-	at at	SEK NIEK MITE	Mr Mr.	14, -2,	Z- /		
Suppleme	entary information:	20, 2,	Et LEY	LIER CLIER	mere where	Mich	

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

Table 26.2 + 26.3 Clearances and creepage distances

Turn of the state of	26.2 Cleara	nce CI [mm]	26.3 Creepage distance Cd [mm]		
Type of insulation	Required	Measured	Required	Measured	
Functional insulation Between L + N contacts	MAL 1.5 WILL	>5.0	2.5	>5.0	
Basic insulation L-N- Contact Earthing contact	1.5 pt 1.5	3.0	2.5	3.0	
Supplementary insulation L-N-Contact Accessible surface (unearthed)	LIET 1.5 TEX W	LIEK WILLER WILL	1.8	MULT THE O	
Reinforced insulation L-N-Contact Accessible surface (unearthed)	3.0 w	>5.0	5.0	>5.0	

Supplementary information:

Table 26.4 Solid insulation

	26.4 Solid reinf	orced insulation [mm]	
Type of insulation	Required	Measured	REFER METER METER WALL WA
L-N-Contact Accessible surface (unearthed)	0.8	1.1	
Supplementary information:	CEL CLIE ON	is were me	30 30



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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

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 NOVELE	mo m	N	P
Inlet Body	SABIC JAPAN L L C	650	Alt North	JC 0 JC	N	W.B.
Connector live part	SABIC JAPAN L L C	750	N	0	N	P
Connector Body	SABIC JAPAN L L C	650	t Net .	JET ONLIVE	Ñ	In P

27.2	TABLE	: Resistance to tracking	NITE WALK	Mr	211. 211.		Р
MULT	Numbe	ber of drops: 50 (5x)				RLIEF WIL	WILL
Part und	ler test	Material designation	Test voltage [V]	bre	shover / eakdown ⁄es/No)	Material group	
Insert		- /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 determ	rated operat	ing curren	ts for ambie	nt-	N/A
		current [A]		: -	4/2 4/1	t et	_
		Temperature at terminals [°C]		e measure t rated curr	d at heating ent t _a [°C]	Rated ci	
Maria	Me	90	L LEX	JE 3	TER OLITER	WILL WILL	. The
Tempera termina		Temperature of heating cabinet t _a + steps of 5 °C		e measure t rated curr	d at heating ent t _a [°C]	Measured [A]	
·	- J+ .	Et TEX TEXT		Sample-No)		. +
NETE W	CL. MILL	m. n.	1	2	3	ET WITE -	inin.
90	00	t _a + 5°C	WrWr.	21/2	7, -2,	- J.	st
90	0 4/2	t _a + 10°C	A - A	Salt .	LIER - OLIE	Maria Mari	10
90	0	t _a + 15°C	210	n - n	4	* 7	<i>t</i> .
90	0 1/2	t _a + 20°C	- 5 6*	. LT EXT LT	ST WILL S	Will MUST	m
<u></u> 20 90	0 👫 .	t _a + 30°C	1/15 1		7.	et et	C.E.
90	0 4	t _a + 35°C	J (2)	18 11 11 15 15 15 15 15 15 15 15 15 15 15	Write M	11/12	211.
90	0 0	t _a + 45°C	2		54/2	* TE*	CIEK
90	0	t _a + 50°C	17 EK 17 E		-100	1415 14	
90	0	t _a + 55°C	<u> </u>		7-76	TEX T	EF C
90	0	t _a + 60°C	er alle	aneri - an	, m,	211. 211.	-0,



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Kelefelice	140 VV 1/23D 102 10337 200 1	1 age 33 of 42	
The Will	Mur. Mur. Mr. M.	IEC 60320-1	LIE WALL WALL
Clause	Requirement + Test	Result - Remark	Verdict

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



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AS/NZS 60320.1			
Clause	Requirement + Test	Result - Remark	Verdict
AS/NZS 60	0320.1:2012	LIEN WALTER WALLER WALTER WAL	11/2
APPENDI) NEW ZEA	X ZZ - VARIATIONS TO IEC 60320-1, Ed.2.1 (2007) LAND	FOR APPLICATION IN AUSTRAL	IA AND
16.1	In the first dash point, add the following to the first	line after '16.2':	TEL
r. aller	or by the test of 16.201	ALTER MALIE WALL WALL	m, m
16.2.201	The following test is considered to be a suitable alternative to the test of Clause 16.2:		TEX PAIN
MALTER	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.	THE MILITER WILLIAM STATES	EK PEK MALEK
irek unir k rek	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.	et tet tet tet	MITELY WAS
WALTEX V	The connector is then fully reinserted and a withdrawal force gradually applied by any suitable means until the connector is withdrawn. The withdrawal force during three consecutive disengagements shall be measured.	MAX 49N	P
rest white	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—	mite until white untilk w	N/A
OLIER	(a) 120 ±2°C for connectors for hot conditions; and	de tet tet witet wi	N/A
- A	(b) 155 ±2°C for connectors for very hot conditions	2 Mr. M. M. M.	N/A
17	Add the following sentence at the end of the third paragraph		WUITE S
LIEK WAL	The 'Test of Earthing Connection' in AS/NZS 3100 may be applied as an alternative to the test of Clause 21.	NIET WITE WHITEK	N/A
19	Add the words 'or brass pins' after the words 'hardened steel pins' in second line of third paragraph.		ITEK NINIT
, et	Delete last sentence of third paragraph.		# - e+
MULL O	Insert the following new paragraph after the third paragraph:		11/2
	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).	Writek Muriek Muriek Muriek	WALTER WAL
21	Add the following sentence at the end of the fourth	n paragraph:	Ser Jack
7.0°	Alternatively, the connector is inserted into an appliance inlet complying with this Standard.	The me of the	N/A



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Clause	Requirement + Test Result - Remark	Verdict
1676		
-20.	Add the following text to the end of both the fifth and sixth paragraphs:	
JUE .	until the temperature is stabilized.	Р
22.4	Table 6 Add the following new Note:	
LIEK WAS	NOTE Cross linked elastomeric insulated braided cords, complying with AS/NZS 3191, may be used to test connectors for hot conditions and very hot conditions.	N/A
	Delete the words 'for non-rewirable connections' from the last paragraph.	
23.2	Delete the last sentence from the fifth paragraph.	
	Insert the following new paragraph before the Note:	
inethe an	In particular, the following shall be checked by inspection:	uni'P
TEK WAL	(a) Live parts shall not be exposed so as to impair compliance with Clause 10.	NUTE PON
y white	(b) For each contact, compliance with Clause 21 is maintained and the resistance of the appliance coupler circuit is such that compliance with Clause 17 is maintained.	SEE P.S.
76.4 201 - 2	(c) Any other function affecting safety shall not be impaired.	P
ne wh	(d) No part shall have become detached or loosened to the extent that a hazardous situation is created.	oun' P
27.1	Delete the words 'with a rated current exceeding 0,2 A' from the second paragraph.	
RITER	In the first dash point add the following text after 'in position':	
T. Carlo	for accessories with a rated current exceeding 0.2 A;	Р

AS/NZS	60320.1:2012		
APPENI	DIX ZA - ADDITIONAL REQUIREMENTS FOR GROUP	2 APPLIANCE COUPLERS	et let
ZA1	INTRODUCTION		Р
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	E NITE MITTER	M. Ab
Scope	Appendix ZA is applicable to appliance couplers classified as Group 2 with rated voltage not exceeding 250 V and for a	Whitek whitek	WALTE WAY
	current rating not exceeding 63 A.	ALTER WHITER WALTER W	LITER WALTER W
3.202	Group 1 appliance coupler	LIK TEK TEK	N/A
MULTER	An appliance coupler that complies with the Standard Sheets C1 to C24 contained in the body of the Standard.	t with my and the	N/A
3.203	Group 2 appliance coupler		P
riek muri	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 NUTER ON
y Walifik	NOTE Typical applications for a Group 2 appliance coupler is with frying pans where the connector has an in built thermal control.	EX MILIER WALTER MILIE	N/A
6.201	Group 2—Couplers are rated at any value not exceeding 63 A This Clause applies with the following addition:	Whitek Whitek whiteh	WALL WAS
7.1.1	Add the following dash point	Mr. W	h b
	The temperature class assigned by the manufacturer, with a minimum of 70°C for Group 2 appliance couplers.	TE WATE WATE	EK JITEK P
8.1	Add the following dash point:	of the street outer	P
MUTTEK M	The temperature class assigned by the manufacturer, for Group 2 connectors having a temperature classification above 70°C.	witek whitek whitek	MULTER WALTER
8.2	Add the following paragraph:	a at alt	THE SEP
ek whites	Group 2 appliance inlets other than those integrated with or incorporated in an appliance or equipment shall be marked with the same marking required for connectors in Clause 8.1.	NITE WHITE WHITE WALT	N/A
9.1 TEL WA	Delete existing text and replace with the following:	- it 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 whitek whitek w	NITE TO P
	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 WHITE WHITE WHITE	P III



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AS/NZS 60320.1			The Apr.
Clause	Requirement + Test	Result - Remark	Verdict
Whi.	NOTE Particular attention is drawn to the possibility of damage through cracking of connector bodies and permanent distortion of spring contacts and earthing contacts.	White white white wh	Р
	A Group 2 connector, if it is provided with an earthing contact or external metal casing, shall be of such form or dimensions that it cannot be inserted into an appliance inlet of Group 1 in such a manner that the spring contacts of the connector connect with the pins of the appliance inlet.	ALTER WALTER WALTER WALTER	MILITY 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 white wh	EK WELLER
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.	LITER WALTER WALTER WALTER	ALTE P
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 until	MALL P. W
9.5	Add the following paragraph	LIE WALTE 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 MILIES WHITEE M	WALLE WALLE
9.6	Add the following paragraph:	THE STEE STEEL STEEL STATE	N/A
itek wni k wnitek	A Group 2 appliance inlet shall not be of dimensions such that it will fit a cord extension socket complying with AS/NZS 3120, Approval and test specifications — Cord extensions sockets NOTE This type of "appliance inlet" is an "inlet plug" with requirements as specified in AS/NZS 3120.	Whitek whitek whitek	N/A
10.1	Add the following after the second paragraph:	THE WILL WILL WE	N/A
VILLER AND	Group 2 connectors may have an accessible earthing facility provided that no earthed part is held during insertion or withdrawal.	WALLER MATTER MATTER MATTE	N/A
10.4	Replace the first sentence with the following:	tet tet tet auter	N/A
WALTER	External parts of connectors accessible to the standard test finger, except for earth facilities for Group 2 connectors as allowed by Clause 10.1, shall be insulated from live parts by either double insulation or reinforced insulation.	THE	N/A



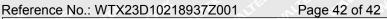
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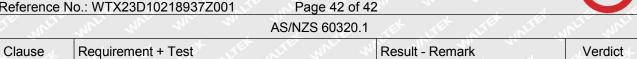
Clause	Requirement + Test	Result - Remark	Verdict
13.12	Replace the first paragraph with the following	A WILL WILL MULL	N/A
MATLEK M	Fuses shall not be incorporated in Group 2 connectors.	ALTER ORLIER MALTER	N/A
15.3	Add the following after the third paragraph:	20, 20,	N/A
EX NITE	When a Group 2 connector has an automatic temperature control and the control has an 'off' position marked, the following test shall be applied.	NITE WITE WELL W	N/A
	The switching device shall be turned to the 'off' position. The connector shall then be subjected to a temperature of 0°C for a period of 1 h. Immediately following this procedure, a high voltage test of 1000 V a.c. shall be applied across the open contacts and there shall be no failure or arcing over.	SUNTER MUTER MUTER	N/A
16.201	Group 2 connectors, having a temperature classification above 70°C, are tested twice;	LIEK WALTER WALTER WA	N/A
WALTER	once at ambient temperature and once after the temperature at the base of the pins of the appliance inlet has been raised to its marked temperature classification ±2°C.	est whitest white	N/A
18.2	Add the following to the first paragraph:	Mrs. Mrs. Mrs.	N/A
iter whi	Group 2 rewirable connectors are fitted with the appropriate flexible cord specified by the manufacturer.	The first of	N/A
Mur	The temperature class assigned by the manufacturer ±2°C for Group 2 connectors;	TE WILL MILL AND	N/A
18.3	Add the following to the first paragraph:	the little stiff south	N/A
CLIFEE OF	The temperature class assigned by the manufacturer ±2°C for Group 2 appliance inlets;	All An Andrew	N/A
22.1	Add the following after Table 4:	aur au au	Р
TER WILL	For Group 2 non-rewirable connectors, the flexible cord shall—	NIFEK WALTER WALTER OU	ILITE P.M
Whitek whi	 (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 - Marie Mar	TEX PALL WALTER WALTER
22.3 (N)	Add the following after Table 5:	TEX STEEL WITE WY	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 MULTER WALTER WALTE	N/A



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" White	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	
MILIER	Group 2 rewirable connectors are fitted with the lightest duty flexible cord recommended by the manufacturer.	t et iet iel	N/A	
NITEK VII	Group 2 rewirable connectors are fitted with the lightest duty flexible cord recommended by the manufacturer.	WILL WILL WILLIES	N/A	
TEX WILT	For Group 2, the smallest and largest nominal cross-sectional area conductors, as recommended by the manufacturer, are used.	LIER WALLER WALLER ON	N/A	
k alter	This Clause applies with the following addition:	at at all of	N/A	
WALTER WALTE	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	
	providing the appropriate values given in the Table 'Creepage Distances and Clearances' stated in AS/NZS 3100, Approval and test specifications — General requirements for electrical equipment are satisfied.	TE MILTE MILITANI	N/A	
27.1.2	Replace the last paragraph with:	A WILL WILL MALL	N/A	
MALTER ON	NOTE Decorative trims, wiring insulation, knobs and other small parts unlikely to be ignited or to propagate flames are not tested.	MULTER MULTER MULTER	WA WA	





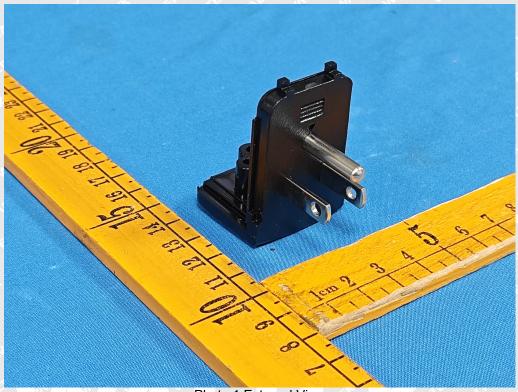


Photo 1 External View

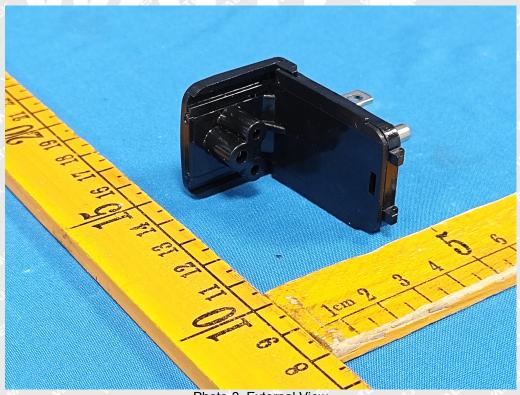


Photo 2 External View =====End of Report=====