



TEST REPORT

Reference No.	: 5	WTX23D10218934Z001
Applicant	50	GlobTek, Inc.
Address	NITE.	186 Veterans Dr. Northvale, NJ 07647 USA
Manufacturer	t	GlobTek, Inc.
Address	: .	186 Veterans Dr. Northvale, NJ 07647 USA
Product Name	:	Blades-R
Model No	-m	R-UK-2
Total pages	: 3	42 Pages
Standards	uner Ger	 ➢ IEC 60320-1: 2021 Appliance couplers for household and similar general purposes – Part 1: General requirements
Date of Receipt sample	:	2023-10-18
Date of Test		2023-10-18 to 2023-11-15
Date of Issue	:	2023-11-30
Test Result	;	Pass And

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:

Vare Ferd

Dave Feng / Project Engineer

Approved by:

Sam Qi / Designated Reviewer

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

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

The product with models R-UK-2 is Power supply with detachable UK 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	ALTE WALL WALL WALL WALL WALL WALL
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 white white white white when when
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 MALTE MALL MAR WALL WITH MALL
Method of connecting the cord:	 Non-rewirable Crimped Others: rewirable Screw terminals Others:
Construction of cable entry:	StraightAngled

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Possible test case verdicts:	stret out to make work work work work
- test case does not apply to the test object:	N/A
- test object does meet the requirement::	
- test object does not meet the requirement:	
Testing:	which which which which which which which
Date of receipt of test item:	2023-10-18
Date (s) of performance of tests:	2023-10-18 to 2023-11-15
General remarks:	METER WALL WALL WALL WAR AND AND THE
"(See Enclosure #)" refers to additional information a "(See appended table)" refers to a table appended to t Throughout this report a ⊠ comma / □ point is u	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	he General product information section.
Name and address of factory (ies)	: 1.GlobTek, Inc.
	186 Veterans Dr. Northvale, NJ 07647 USA
	2. GlobTek (Suzhou) Co., Ltd
	Building 4, No. 76, Jin Ling East Rd., Suzhou Industrial Park, Suzhou,JiangSu 215021, China
General product information and other remarks:	a short of the state with
Products covered by this test report are Connector The product Rating(s):250V~,50-60Hz, 2.5A	

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	C 60320-1	
Requirement + Test	Result - Remark	Verdict
		IEC 60320-1 Requirement + Test Result - Remark

8	MARKING		P	
8.1	General			
Set .	Appliance couplers are marked with:			
17 - 19 18 - 19	- name, trademark or identification mark of the manufacturer or responsible vendor	GlobTek, Inc.	Р	
m	- type reference:	R-UK-2	P	
8.2 🖉	Additional markings	s at at at	P	
JUL-	Standardized connectors/plug connectors in accorda non-standardized appliance couplers are additionally		Р	
Inter a	- rated current (A) (except 0,2 A connectors):	2.5A	Р	
de l	- rated voltage (V):	250V		
r. m	- symbol for nature of supply	and and and and	P	
A WALTE	- marking to identify the type of conductors suitable for screwless terminal	strek minet minet amin	N/A	
8.3	Appliance couplers for class II equipment	We we want	P	
where .	Appliance couplers for class II: Not marked with the symbol for class II construction	MITER WAITE WAITE WAITE	N ^M P	
8.4	Symbol or alphanumeric notations			
4	Correct symbols are used		Р	
LER WALL	Marking for the nature of supply placed next to the marking for rated current and rated voltage	write write maile write	P	
8.5	Legibility of marking	set set set set	Р	
Jet	Connectors/plug connectors: Marking according to 8.1, is still easily discernible	which which will be and	P	
8.6	Terminal markings and wiring instructions	NET WALL WALL WALLY	N/A	
inet we	Terminals, in rewirable non-reversible connectors/plug follow:	g connectors, are indicated as	N/A	
ex white	- earthing terminal: [earth symbol, earth symbol in circle or PE]:	stret stret maret white	N/A	
A	- neutral terminal: N:	an in the of	N/A	
antitut an	Conductor, in non-rewirable polarized connectors/plug connectors are connected as specified in 22.1	INTER MALIE WATE WATE	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	and white white white white	N/A	
- Jill	Rewirable connectors/plug connectors are supplied w	ith the following instruction:	N/A	
200	- method of connection of the conductors:	mer me me m	N/A	
55	- method of the operation of the cord anchorage:	at at the set	N/A	

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Clause	Requirement + Test	Result - Remark	Verdic
- and -	AN AN AN AN AN AN	NUTER INTERNATION	
	- length of sleeving and insulation to be stripped back	with the set set set	N/A
n n	- sizes and types of cable or cords suitable:	nere which which when	N/A
3.7	Durability	at at let set	JE P
24.	Marking is easily legible and durable	in more mar and a	Р
et white	Marking are not placed on screw or other removable parts	Intret whitek whitek whi	S P.S
8.8 🦽	Test and inspection	s at at the	P
m 1	Test: 15 s with water, 15 s with petroleum spirit	INTER MALL WALL WALL	P
de .	Marking made by moulding, pressing or engraving	it it it it	́₽
Ð	DIMENSIONS AND COMPATIBILITY		Р
9.1 .	General	s at at at	P.S
t set	Appliance couplers are designed that unintended or improper connection is prevented	Mart with and wi	P
9.2	Single-pole connection	INLIEU NALE WALL WAL	P
smiller w	Single-pole connections between connectors/ appliance outlets and appliance inlets/plug connectors are not possible	MITEX WAITEX WAITEX WAITEN	P
9.3	Compatibility	at the sufet	P
	It shall not be possible to engage (using a force of 60	N for 60 s):	Р
white	- connectors for class II equipment in appliance inlets/plug connectors for class I equipment	MULTE WALTER MALTE WA	P
WALTER .	- plug connectors for devices of protection class I in connectors/appliance outlets for devices of protection class II	MALTER WALTER WALTER WALTER	P
intit of	- connectors for cold conditions in appliance inlets/plug connectors for hot or very hot conditions	LIFE WALTE WALTE WALTE	Р
TER WALT	- plug connectors for cold conditions in appliance outlets for hot or very hot conditions	The waited waited waited w	Par Par
A WALTER	- connectors for hot conditions in appliance inlets/plug connectors for very hot conditions	Institut united united uni	P
WALTER V	- plug connectors for hot conditions in appliance outlets for very hot conditions	alles miles miles white	P.K
strek an	- connectors in appliance inlets/plug connectors having a higher rated current than the connector	at the state with	P
et di	- plug connectors in appliance outlets having a lower rated current than the plug connector	e at at at	Р
- Alt	Test: Engagement of a connector or plug connector with a force of 60 N for min. 60 s	white white white white	Р
m	During the test: no contact of the pins	intre white white white	<i>⊲</i> ⁰ P
9.4 👉	Dimensions for standardized appliance couplers	the state of the s	N/A

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0	IEC 60320-1			
Clause	Requirement + Test Result - Remark	Verdic		
WALTER W	Standardized appliance couplers shall comply with the relevant standard sheets according to IEC 60320-3:	N/A		
9.5	Dimensions for non-standardized appliance couplers	P		
et whe	Non-standardized appliance couplers are acceptable if do not adversely affect the purpose and safety of standardized appliance couplers	UNC UN P.		
whitek y	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	P North Marines		
n w	No changes which adversely affect the contact- making ability	P		
water Water	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	Marine Pro		
NALITE 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	P		
et mare	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:			
. jet	- a connector and associated appliance inlet	A A P		
Mr.	- an appliance outlet with the associated plug connector	P		
10	PROTECTION AGAINST ELECTRIC SHOCK			
10.1	Accessibility of live parts	A P		
er where	Live parts of appliance couplers are not accessible when in partial or complete engagement	SUNT SUN PUT		
WALL	Live parts of connectors/appliance outlets are not accessible	VII WILL VP		
WALTER W	Connectors with enclosures or bodies of elastomeric or thermoplastic material: test made with the standard test probe B of IEC 61032 applied for min. 30 s with a force of 20 N	NUTER WITER		
10.2	Protection against single pole connection	Р		
NNLTEX	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	P		
10.3	Protection against access to live parts	P		

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Clause	Requirement + Test Result - Remark	Verdict
Clause		veruici
Tet	It is not possible to remove parts preventing access to live parts without the aid of a tool	P
	Bushes are adequately fixed, and it is not possible to remove them without dismantling the connector/appliance outlet	P
10.4	External parts	Р
WALT	Insulating material for external parts of connectors, appliance outlets and plug connectors	P
10.5	Shrouds	N/A
neret w	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
t would be	Appliance couplers with protective earthing contact: constructed that the protective earthing contact is first make and last break relative to any other contact	P
12	TERMINAL AND TERMINATIONS	Р
12.1	General	Р
Ser wet	Requirements in the appropriate IEC standard apply for the terminal and terminations	P.51
er white	Clamping means of terminals do not serve to fix any other components	R
12.2	Rewirable appliance couplers	N/A
SHE .	They are provided with screw-type clamping units or screwless clamping units according to IEC 60999-1	N/A
12.3	Non-rewirable appliance couplers	P
TEX MAL	They are provided with soldered, welded, crimped or equally effective screwless connections	TEK-P VIII
at intres	The possibility to disconnect the conductor is not allowed	r P
13	CONSTRUCTION	Р
13.1	Risk of accidental contact	N ^o P
	There is no risk of accidental contact between earthing contact of appliance inlet/plug connector and current-carrying contacts of the connector/appliance outlet	P
13.2	Contact positions	R
- INLIEK	In non-reversible connectors/plug connectors the contact positions are established by looking at the engagement face as shown in the standard sheets of IEC 60320-3	N/A
1	Position shall be set out as in Table 1:	N/A
J. J.	Connectors:	N/A



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Clause	Requirement + Test	Result - Remark	Vardia
	Treduction Trees 24	Result - Remark	Verdic
20	- earthing contact: in a symmetrical arrangement	MULT MULT MILL WIT	N/A
NUTET AN	- line contact: lower right-hand position	let get get are	N/A
	- neutral contact: lower left-hand position	he me me in	N/A
LIE MAL	Plug connectors:	tet set ster with	N/A
s st	- earthing contact: in a symmetrical arrangement	Mr. Mr. Su	N/A
MALIN	- line contact: lower left-hand position	- with outer white wi	N/A
d.	- neutral contact: lower right-hand position	Mr. Mr. St.	N/A
white a	In non-reversible appliance couplers not complying w IEC 60320-3:	ith the standard sheets of	Р
Martin Martin	- Verification of the correct polarization	let use when when	P
13.3	Parts covering live parts	b. M. m. c.	Р
The Martin	Adequately locked against loosening	et with with which	n Ru
e st	Test: Inspection and tests of Clause 18, 20 and 23	and an an	Р
13.4	Pin construction	LIFE INTER WATER WA	P
13.4.1	Prevention of rotation	We want the	- P-
which wh	Pins and contacts adequately locked against rotation	White white white white	Р
13.4.2	Pin retention	at all all and and	N ST PN
A St	Pins of appliance inlets/plug connectors:		P
white	- are securely retained	ALTE MARK MALLE M	P.
, st	- have adequate mechanical strength	The second	P
when y	- it is not possible to remove them without the aid of a tool	softer softer softer your	Р
Intre M	- are surrounded by a shroud	ster strer outer white	P
A A	- are not protrude beyond the rim of the shroud	and the second second	Р
in main	Test for security of pin retention	Tet allet aller walter	or Ro
at white	- heating of the sample 60 +5/0 min, test temperature (°C)	70°C;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	Р
in the		WITH WITH SMITH SMITH	P
de la	- force applied in direction towards the base		P
Vr. Mu	During the test on any pin there is no movement exceeding 2,5 mm	0.3mm	P
an white	5 min. after removal of test force, pins remain within:	at the the states	P
t whiteh	- for standardized appliance couplers, the tolerances of the standard sheet	it it it	N/A



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20	IEC 60320-1			
Clause	Requirement + Test	Result - Remark	Verdic	
13.4.3	Non-solid pins	MUT MUT MIT MIN	Р	
INTER M	Test for non-solid pins	at the set with with	Р	
Set 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 set	TTER P	
et 56t	After the test: - no significant alteration in the shape of the pin	it wat at ret	Р	
13.4.4	Pins for appliance couplers for higher ambient te	mperatures up to +90 °C	N/A	
WALTER J	Pins for plug connectors or appliance inlets made of solid material	NITEX INVITEX INVITES WALTER	N/A	
13.5	Contact pressure	a state of the	P	
inthe with	Contacts of connectors/appliance outlets are self- adjusting so as to provide adequate contact pressure	the work which which w	Р	
* white	Self-adjustment of the contacts in connectors/ appliance outlets other than 0,2 A, does not depend upon the resiliency of insulating material	MAT WITH WALFER WALF	P	
13.6	Enclosure	in a st set		
13.6.1	General	milet inite wait wat	N ^O P	
NUTEK WILL	Parts of the body of connectors/plug connectors are reliably fixed to one another	at milet whilet	L.C.P.	
13.6.2	Rewirable connectors and rewirable plug connectors	tors	N/A	
white	It is not possible to dismantle the connector/plug connector without the aid of a tool	White white white why	N/A	
WALTER	Terminals and the ends of cord - completely enclosed by the enclosure	White white white white	N/A	
STER IN	Construction is such that conductors can be properly	connected and is unlikely that:	N/A	
n - m Let S	- cores are not pressed against each other causing damage	it was war all	N/A	
er when	- cores of live conductor not pressed against accessible metal parts	white white white wh	N/A	
WALL	- core of earthing conductor not pressed against live parts	water watter water water	N/A	
WALTE N	It is not possible to assemble the rewirable connector in such a way that terminals are enclosed and contacts accessible	and the watter watter white	N/A	
nt un set use	Separate independent means for fixing and locating parts of the body with respect to each other are present in rewirable connectors/plugs connectors	the set set set	N/A	
200	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	wifet anitet waitet waite	N/A	



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Clause	Requirement + Test	Result - Remark	Verdic
Clause			Veruic
	Partial loosening of assembly screws does not allow the detachment of parts providing protection against electric shock	white with white white	N/A
13.6.3	Non-rewirable connectors and non-rewirable plug	connectors	P
in mar	Accessories are such that:	iter white white white w	P.V
ex whitek	- flexible cable cannot be separated from the accessory without making it permanently useless	- LITER NUTER WALTER WAT	P P
MUTER.	- accessory cannot be opened by hand or by using a general purpose tool	ret ret ret with	P
13.7	Earth connection	Mur mur m.	Р
NUTER WIN	Earthing contact/earthing pin of connector/plug connector is fixed to the body	STER WALTER WALTER WALTER	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	white white white	P N
	Metal part of appliance coupler, designed that corrosion do not impair safety	wind with with with	P
NN N	Connection between earthing contact/earthing pin and earthing terminal is of metal resistant to corrosion	inter white white white	P
13.8	Location of terminals and terminations	2 Mr. M. X	Р
13.8.1	General	and the state out the second	P
whitek	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	whitet whitet whitet white	N/A
UNLITE WINLI	Non-rewirable moulded-on accessories are provided with means to prevent loose wires of a conductor from reducing the minimum isolation distance requirements	STER WATER WATER WATER	INT P
13.8.2	Free wire test for rewirable accessories	M. W.	N/A
where	Test with 6 mm free wire of in every possible direction	mitter intre-aller white	N/A
WALTER D	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	Whitek whitek whitek whitek	N/A
NUTER WAS	Free wire of a conductor connected to an earthing terminal does not touch a live part	TEX MUTEX WATER WALTER V	N/A
13.8.3 🦽	Free wire test for non-rewirable non-moulded-on a	accessories	N/A
m	Test with a free wire of length equivalent to the maxim declared by the manufacturer plus 2 mm	num designed stripping length	N/A

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Clause	Requirement + Test	Result - Remark	Verdict
whitek w	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 white white	N/A
the way	Free wire of a conductor connected to an earth termination does not touch any live part	The water water water	N/A
13.8.4	Free wire verification for non-rewirable moulded-	on accessories	N/A
MALTEX	Verification of means to prevent stray wires reducing the minimum distance through insulation to external accessible surface below 1,5 mm	white white white	N/A
13.9	Connectors/plug connectors without earthing cor	ntact	N/A
Intit wh	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	and white white white	N/A
13.10	Fuses, relays, thermostats, thermal cut-outs and	switches	N/A
white	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 white	N/A
NI V	Fuses, relays, thermostats and thermal cut-outs incorporated in appliance inlets and appliance outlet comply with the relevant IEC standards	and water when when	N/A
A 10	Switches comply with IEC 61058-1 (all parts)		N/A
white	Energy regulators comply with IEC 60730-2-11	all intervention while w	N/A
14	MOISTURE RESISTANCE		Р
wint .	Test samples kept in a humidity cabinet containing air maintained between 91 % and 95 % for:	r with relative humidity	P
write wr	- 168 h (seven days) for appliance coupler with earthing contacts	strek white white white	P.
THE MAL	- 48 h (two days) in all other cases	et set set ster	N/A
et stat	After this treatment the test sample show no damage	white white white	P
15	INSULATING RESISTANCE AND ELECTRIC STRE	INGTH	P
15.1	General	at not not not	P
she s	Adequate insulation resistance and dielectric strength for appliance coupler	and and and and	Р
15.2 🖋	Insulation resistance	LITE WALT WALT WAT	1 P-1
TEX WALTE	The insulation resistance measured 60 s \pm 5 s after application of 500 + 50 V d.c.	see appended Table 15.2	NI EX PUT
15.3 🦽	Dielectric strength	s at at .	<- ₽. [⊘]
me	Electric strength: a.c. test voltage applied for 60 s ± 5 s	see appended Table 15.3	P

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Clause	Requirement + Test	Result - Remark	Verdict
16	FORCES NECESSARY TO INSERT AND TO WITH CONNECTOR/APPLIANCE OUTLET	DRAW THE	P
16.1	General	mer when when when	Р
LIFEK WAL	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	* TEX NITER INTERNAL	P
. At	For standardized appliance couplers: gauge is used	211 - 211 - 2 - A	_
when y	For non-standardized types: the counterpart as specified by the manufacturer is used	united white white white	_
WILLE MA	The connector/appliance outlet shall disengage within 3 s from the appliance inlet/plug connector	see appended Table 16	Р
16.3	Verification of the minimum withdrawal force	at at at at	P _S S
20	For standardized types: test pin gauge is used	mer me me m	
WALTER	For non-standardized types: test pin with minimum dimensions as specified by the manufacturer is used	whitet whitet whitet white	_
WALTER N	The test pin did not fall from the contact assembly within 3 s	see appended Table 16	NIN'P'
17	OPERATION OF CONTACTS		Р
nt whi	Contacts and pins of appliance couplers make connection with a sliding action	and any and and	Р
- Jek	Contacts of connectors/appliance outlets provide adequate contact pressure and do not deteriorate in normal use	white white white white	P
whitek wh	Effectiveness of pressure between contacts and pins and earthing contacts and earthing pins does not depend upon the resiliency of the insulating material	White white white	P
LIEK WALT	Test: Inspection and tests of Clause 16, 19, 20 and 21	et milet whilet whilet w	TE P
18	RESISTANCE TO HEATING OF APPLIANCE COUL CONDITIONS OR VERY HOT CONDITIONS	PLERS FOR HOT	N/A
18.1	General	with the the	N/A
white w	Appliance couplers as classified according to 7.1 shall withstand the heating to which they may be subjected	white white white white	N/A
NE WIT	Connectors/plug connectors so constructed that the insulation of the conductors is not subjected to excessive heating	at whit whit whit w	N/A
MALTER	The spring contacts of appliance outlets and connectors shall not be negatively affected by thermal relaxation due to excessive heating	while while while while	N/A
18.2	Heating test for connectors/plug connectors	The constant	N/A

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Clause	Requirement + Test	Result - Remark	Verdict
WALTER W	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 white white	ALTER ALTER A
the state	After this test:		N/A
a sh	- Plug connectors inserted and withdrawn from the appliance outlet 10 times	ter white white wh	N/A
MALIE	- Connectors subjected to the test of Clause 16	et with outer white	N/A
. Ar	After this test the test sample show:	the sure of	N/A
when y	- no damage	ALTER MUTER MAILE	N/A
MUTEX	- no loosening of electrical or mechanical connections	ret unet winet a	N/A
	- no cracks	he me me a	N/A
18.3	Heating test for appliance inlets/appliance outlets	set with with and	N/A
A MUTER	Appliance inlets/appliance outlets kept in a heating cabinet for 96 h at a temperature of (°C):	t not stat stat	
	- Appliance outlets subjected to the test of Clause 16	when when when	N/A
m n	After this test the test sample show:	WALL WALL WALL V	N/A
JEK ST	- no damage	at a star	
er fi	- no loosening of electrical or mechanical connections	a sure w	N/A
- me	- no cracks	intra white white	N/A

19	BREAKING CAPACITY		Р
INLIEK.	Appliance couplers shall have adequate breaking capacity	The state state sures	N.I.P.
.d.	Compliance checked by testing	see appended Table 19	Р
76 - 74	During the test: no flashover and any sustained arcing	I FER MALTER WALTER WALTER WA	P./
the second	After the test, the test sample show no damage	et the set state and	R
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	MUTER WITTER WALTER WALTER	WNP
4	Compliance checked by testing	see appended Table 20	P
wini Vini	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)	Ρ
m	Test sample does not show any:	inite unit which which	~P
de la	- wear impairing its further use	a state of	Р

Refe

WIT	IEC 60320-1	et allet while while w	no mi
Clause	Requirement + Test	Result - Remark	Verdic
- Alexander	- deterioration of enclosures or barriers	with white with white	P
Ster a	- damage to the entry holes for the pins	at let let it	
the to	- loosening of electrical or mechanical connections	NET WILL WILL WIT	Р
LIER WIL	- seepage of sealing compound	let get get with	N/A
4 1	The electrical safety is not impaired	We we with	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	and the world watter while	et Pet
NUTER WIN	Compliance checked for connectors/appliance outlets and plug connectors by testing	see appended Table 21	JULIP S
JEK MALT	After the test, the test samples withstand the test of clause 16	of street surger sources	IN TEK P
22	CORDS AND THEIR CONNECTION		Р
22.1	Cords for non-rewirable connector/plug connecto	rs the street out on	P
	Non-rewirable connectors/plug connectors are provided with cord complying with Table 9 or equivalent:	Minet MAILER MAILER MAILE	F Pr
NITEK WAL	Type of cord complying with standard indicated in Table 9)	see appended Table 22.1	N LCP P
ex white	Cords have a nominal cross-sectional area not less than that specified in Table 9 (mm ²)	see appended Table 22.1	N OF P
	Non-rewirable connectors/plug connectors with earthing contact are provided with a three-core cord	see appended Table 22.1	P
. Tet	Connections to the contacts in non-rewirable, non-reversible connectors/plug connectors:	white white with wi	P
n - in	- green/yellow core: to the earthing contact	NIT WALT WAL WAL	Р
set of	- brown core: to the line contact	at at set set	P
20	- light blue core: to the neutral contact	it which which where a	Р
22.2	Cord anchorage	- ret set ster of	S RS
22.2.1	General	Mr. Mr. M. W.	Р
WALTER W	Connectors/plug connectors are provided with a cord anchorage	Martin Martin Martin Martin	P
NUTER WAY	Cord anchorages of the "labyrinth" type: - withstand the relevant tests	The mark mark mark	N/A
22.2.2	Additional requirements for rewirable connectors connectors	and rewirable plug	N/A
the state	Additional requirements are:	me m m n	N/A
water	- it is clear how to relief from strain and prevention of twisting is intended to be effected	NUTER MUTER MAILE WAS	N/A

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20.	IEC 60320-1	white white white we	
Clause	Requirement + Test	Result - Remark	Verdict
	- it is integral with or fixed to the connector/plug connector	with a show with a show	N/A
m in	- makeshift methods is not used	NET WALL WALL WALL	N/A
LITER WINL	- cord anchorage is suitable for the different types of cord and its effectiveness does not depend upon the assembly	SEX WALLEX WALLEX WALLEX	N/A
white	- cord anchorage is of insulating material or provided with insulating lining	white white white wh	N/A
WALTER	- it is not possible for the cord to touch the clamping screws, if accessible	MUTER AND THE MALIER MALIE	N/A
det .	- its metal parts are insulated from earthing circuit	i at the tet	N/A
22.2.3	Pull test for cable anchorage	NETE WALL WALL WALL	N/A
TEX WALT	Non rewirable connectors/plug connectors: - tested with the cord as delivered	see appended Table 22.2.3	N/A
whitek	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
STER 1	During the tests: cord not damaged	the set set we	N/A
19	After the test:	WILL WIT SHE SHE	N/A
LITER NOU	- cord not displaced by more than 2 mm	at all the suffer	N/A
	- rewirable connectors/plug connectors: ends of conductors have not moved noticeably in the terminals	A MITTER AND	N/A
WALTER	- non-rewirable connectors/plug connectors there was no break in the electrical connections	STER STREE MUTER WAIT	N/A
22.3	Flexing test	she we we at	N/A
with w	Guards are of insulating material and are fixed in reliable manner	street water water water	N/A
TER WINT	During the test: no interruption of the current and no short-circuit between conductors	see appended Table 22.3	N/A
* JIEN	After the test:	t at the set of	N/A
201	- test sample show no damage	white white when whe	N/A
- NUTER .	- guard, if any, not separated from the body	the set set are	N/A
Set 1	- insulation of the cord show no sign of abrasion or wear	into what what when	N/A
	- non-rewirable connectors/plug connectors: broken strands have not pierced the insulation as to become accessible	and which which which a	N/A
23	MECHANICAL STRENGTH		Р
23.1	General	THE STREE MUTER WAT	P
.lt	Appliance couplers have adequate mechanical strength	all at the ret	P

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Clause	Requirement + Test	Result - Remark	Verdic
23.2	Free fall test	The the second	P
in the su	Free fall test procedure 2 of IEC 60068-2-31 for conn		N V P
LICK WAL	Number of falls:	100	P
	After the test:	and all all all all and the	Por
st at	- test sample show no damage	- su	Р
man	- no part become detached or loosened	it atter atter water water wat	P
23.3	Lateral pull test for contacts	where the second second	e Pot
when y	Lateral pull test for connectors with rating exceeding	0,2 A and appliance outlets	N° P
	- rated current (A):	2.5A	
w w	- pull (N):	6N	s
to the	After the test:	1 A A A	P.
-m	- connector/plug connector show no damage	North Marth Mark and	Р
* WALTER	- test sample comply with test of 16.3	only for connectors see appended Table 23.3	Р
23.4	Impact test		Р
	 IEC 60068-2-75 (12 blows at 0,5 J ± 0,05 J) are subj - all accessible surfaces covering live parts of appliar - shrouds of appliance inlets for surface mounting - shrouds of plug connectors 		i strek w
	After the test, the test sample show no damage	see appended Table 23.4	Р
23.5	Deformation test	tet set allet allet all	N/A
untilet un	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
10 5	- blade A (10 N):	a at at at	
24	- blade B (5 N):	it watt wat wat w	_
et whitet	Difference between thickness values measured at the point of impression before and after the test is not more than 0,2 mm	white white white whi	N/A
23.6	Pull test for connectors/plug connectors with a se	eparate front part	N/A
23.6.1	General	with the state	N/A
ner un	External parts of connectors/plug connectors with a separate front part are reliably fixed to one another	LIET WALLE WALT WALT	N/A
23.6.2	Straight pull test	et the atter atter at	N/A
, st	Compliance checked by the following test:		N/A
white	A pull force according to Table 13 is applied in directing pins/contacts for 60 s+5 /0 s	ion of the axes of the	N/A
Alt -	- rated current (A):	1 4 14 14	N/A



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Clause	Poquiroment + Test	Result - Remark	Verdic
Clause	Requirement + Test	Result - Remark	verdic
	- straight pull (N):	me m m	N/A
23.6.3	Lateral pull test	THE STREET SUITE	N/A
	Compliance checked by the following test:	In the the	N/A
	A lateral pull force according to Table 13, in parallel w applied to the cable of the connectors/plug connector 90° +/- 5°		N/A
m	- rated current (A):	white white white wh	N/A
Set	- lateral pull (N):	a de de de	N/A
211- 1	After the test:	White white white white	N/A
Set .	- the two parts are not detached	a at at at	N/A
n n	- parts providing protection against electric shock not loosened	white white white	N/A
	- live parts not become accessible	and and and and and	N/A
24	RESISTANCE TO HEAT AND AGEING		Р
24.1	Resistance to heat	white white when when	P
. At	Ball pressure test according to IEC 60695-10-2	at at at at	Р
m n	After the test: diameter of impression $\leq 2 \text{ mm}$	see appended Table 24.1	Р
24.2	Resistance to ageing		S P
24.2.1	General	a sur sur s	Р
NNITE NATE	Appliance couplers of elastomeric material or thermoplastic material shall be sufficient resistant to ageing	White white white wh	P
24.2.2	Ageing test for elastomeric materials	alifet intre- water water	N/A
WALTER W	Appliance couplers of elastomeric material are kept for 240 h (10 days) in a heating cabinet at 70 $^{\circ}C \pm 2 ^{\circ}C$	thet waitet waitet waitet	N/A
24.2.3	Ageing test for thermoplastic materials	at at set set	Р
et white	Appliance couplers of thermoplastic material are kept for 168 h (7 days) in a heating cabinet at $80 \degree C \pm 2 \degree C$	with with the second	P
24.2.4	Ageing test assessment	Star Star Star	P-
which is	After the tests, samples show:	white white white white	ST P
dt .	- no crack visible	i i to to	P
in m	- no sticky or greasy material	LIE WALTE WALT WALT	\$ Р ^{\$}
at de	- no trace of cloth (forefinger pressed with 5 N)	s at at at	P_
m	- no damage	watt watt wat wat	Р
25	SCREWS, CURRENT-CARRYING PARTS AND CONNECTIONS		Р
25.1	General	white whe we are	Р
Alt -	Connections withstand mechanical stresses	s at at at	Ρ

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	IEC 60320-1	m. m. m.		
Clause	Requirement + Test	Result - Remark	Verdic	
Jet .	Screws and nuts for connection of conductor: in engagement with a metal thread	when when we we stat	N/A	
in m	Screws for mounting parts of appliance coupler are not of the thread-cutting type	with which which which	N/A	
er war et stret	Screws or nut for fixing the base of appliance inlet/appliance outlet on an appliance: any type is possible	set white white white a	N/A	
No. 10k	Screws of insulating material: not used if they could impair insulation	which which which and	N/A	
men 1	Threaded parts tightened and loosened:	INTE MALL MALL WALL	∕ [∿] N/A	
NETEX WIN	- one of threaded parts non-metallic material: 10 times	Lifet miret whitet whitet	N/A	
de de	- both parts of metallic material: 5 times	. I A At	N/A	
ant	Threaded part torque test	see appended Table 25	N/A	
t set	During the test:	in at at a	N/A	
m	- not work loose	white white white wh	N/A	
Jet .	- no damage	a at at at	N/A	
25.2	Electrical connections	White white white white	Sh. P	
LIEK WAY	Contact pressure is not transmitted via the insulating material other than ceramic, or pure mica unless there is sufficient resiliency in the metallic parts	at white white	P	
25.3	Securement connections	en all state outer all	P	
wifet	Screws and rivets are locked against loosening or turning	with the state with	N/A	
Tet	Connections between terminals and other parts do not work loose in normal use	white white white and	Р	
25.4	Metallic parts	MITE WALL WALL WALL	Р	
	Current-carrying parts and earthing contacts: metal having adequate mechanical strength and resistance to corrosion	et whilet whilet whilet w	NUTER P	
white	Parts subjected to mechanical wear are not made of steel with electroplated coating	white white white whi	Р	
SUNCTES S	Under moist conditions, metals having a great difference of electro-chemical potential are not used in contact with each other	MUTER WALTER WALTER WALTE	NO P	
er an	Material used:	wife white white white	s [№] Р \$	
et d	- copper	a star star	N/A	
with	- alloy with at least 58 % copper for cold worked parts or at least 50 % copper for other parts	white white white wh	Р	
when .	- stainless steel with at least 13 % chromium and not more than 0,09 % carbon	white white white white	N/A	

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an.	IEC 60320-1	it white white where we	Co.
Clause	Requirement + Test	Result - Remark	Verdic
Whitek W	- steel with electroplated coating of zinc (ISO 2081); coating thickness at least 5 μm (ISO Service Condition No. 1); thickness [μm]	which which will work	N/A
ister whit	 steel with electroplated coating of nickel and chromium (ISO 1456); coating thickness at least 20 µm (ISO Service Condition No. 2); thickness [µm] 	ret wantet wattet wattet	N/A
WALTER	- 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
NALLE V	Checked by inspection or by chemical analysis	the state when white	P
26	CLEARANCES, CREEPAGE DISTANCES AND SC	LID INSULATION	Р
26.2 🔊	Clearances	TEX WITE MUTE WAIT	5 P 3
26.2.1	Dimensioning	It when the set	A P
in white	Clearances: dimensioned to withstand the minimum rated impulse voltage of 2500 V	see appended Table 26	P
26.2.2	Minimum values for clearances	t stat strat strat white	Р
NUNLIFEK W	Clearances for basic, supplementary and functional insulation: not less than the value specified in Table 16	see appended Table 26	PL
NITER WAL	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	WITEP
26.3	Creepage distances	NALTE WALL WALL WA	Р
26.3.1	Dimensioning		e _P [⊗]
Whitek wh	Creepage distances: dimensioned for the voltage, taking into account pollution degree 2 and the material group	see appended Table 26	P
26.3.2	Minimum creepage distances	the shirt of the	Р
the works	Creepage distances for basic, supplementary and functional insulation: not less than the value specified in Table 17	see appended Table 26	P
MALTER	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	mer mer mer in	Р
the way	Solid insulation: capable of durably withstanding electrical and mechanical stresses	TEX WALTER WALTER WALTER	P
EK WALTE	Distance through accessible supplementary solid insulation: ≥ 0,8 mm:	see appended Table 26	P.S
- Set	Distance through accessible reinforced solid insulation	on: A A A	e P.
m	$- \ge 0.8$ mm for rated impulse voltage 1500 V	white white white white	N/A
At	$- \ge 1,5$ mm for rated impulse voltage 2500 V	1 A 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	tet the stret with	P
27.1.1	General	Un Mu Mu Mu	Р
itie whi et ret	Parts made of insulating material of accessories with a rated current exceeding 0,2 A subjected to glow- wire test according to IEC 60695-2-11	see appended Table 27.1	N Por
27.2	Resistance to tracking	WALTE WALT WALL WA	N/A
whitek.	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		
aret which	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 $^{\circ}$ C ± 2 $^{\circ}$ C	WALFER WALFER WALFER W	P
29	ELECTROMAGNETIC COMPATIBILITY (EMC) REC	QUIREMENTS	N/A
29.1	Immunity - Accessories not incorporating electronic components		
NUTEX MIL	These accessories are not sensitive to normal electromagnetic disturbances and therefore no immunity tests are required	at white white	N/A
29.2	Emission - Accessories not incorporating electronic components		
wint .	These accessories do not generate electromagnetic disturbances; consequently, no emission tests are necessary	WALTE WALT WALT WALT	N/A



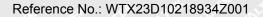
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in more	with the state	IEC 60320-1	mur mur
Clause	Requirement + Test	Result - Remark	Verdict

	ANNEX E		N/A
	Additional test and requirements for appliance cou ambient temperatures above +35 °C up to and incl		N/A
E.1 🖑	General	iter white white white w	N/A
et whitek	Appliance couplers according to this Annex E are suitable for ambient temperatures above +35 °C up to and including +90 °C	watter watter watter war	N/A
E.2	General requirements on tests	at the set with	N/A
E.2.1	General	ne me me m	N/A
NUTER UNI	Corresponding counterparts have.	set stat stret when	N/A
4	- identical ratings (as per Clause 6)	r m m	N/A
SE MALLY	- identical classification (as per Clause 7)	at stret where while wh	N/A
E.3	Markings	which we want the	N/A
whitek w	Appliance couplers, except standardized appliance inlet, in compliance with this Annex E shall be marked with t_a value as defined in Clause E.4 if the value of t_a is +40 °C or higher [°C]	<u>Marking:</u> t _a °C	N/A
E.4	Determination of t _a and the rated and derated current in relation to the ambient temperature	at any and any and	N/A
E.4.1	Determination of the maximum ambient temperature (t _a) for operation of the accessory at the rated current	Measured t₄ °C	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	the man with a second	N/A
ren white	Appliance couplers shall be sufficient resistant to heat	et whitet whitet whitet wh	N/A
* JIEK	Ball pressure test according to IEC 60695-10-2 at 125	°C + + 0°	N/A
In.	After the test: diameter of impression \leq 2 mm	see appended Table E.5.1	N/A
E.5.2	Resistance to ageing	let tet the state	N/A
E.5.2.1	General	inter and and an	N/A
LIER WAL	Appliance couplers shall be sufficient resistant to ageing	int white white white s	Ń/A
E.5.2.2	Ageing test for connectors/appliance outlets	t at at at a	N/A
WALTER	$\begin{array}{c} \mbox{Connectors/appliance outlets are kept for 336 h} \\ (14 \mbox{ days}) \mbox{ in a heating cabinet at 100 } ^{\circ}C \pm 2 \ ^{\circ}C \\ \mbox{The connectors/appliance outlets are in engagement} \end{array}$	white white white	N/A
d-	with a corresponding appliance inlet/plug connector	W. W. W.	at.
E.5.2.3	Ageing test for appliance inlets/plug connectors	TEL TIEL MILE MILE	N/A

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Clause	Requirement + Test	Result - Remark	Verdic
Clause		Result - Remark	verdie
	Appliance inlets/plug connectors are kept for 336 h (14 days) in a heating cabinet at 100 °C \pm 2 °C	white white white states	N/A
E.5.2.4	Ageing test assessment	inter when whe whe	N/A
er nurer	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	set white white white	N/A
211	After the tests, samples show:	mur me me m	N/A
NUTER .	- no crack visible	let stat stat with	N/A
- S	- no sticky or greasy material	white white the second	N/A
NETER M	- no trace of cloth (forefinger pressed with 5 N)	the state strate astra	N/A
	- no damage	and the second	N/A
TE WALTER	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	at whitet white white w	N/A
A	After the tests, samples show:	all an a st	N/A
1 Same	- no damage	sufet sufer intre waite	N/A
E.5.3	Resistance to tracking		N/A
Et white	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		
1	For standardized appliance couplers:	and an an at	N/A
In The	Type of cord:	THE ALTER MUTCH WALTER	N/A
TEX MIT	- according to the requirements of Table 9 and Table 10	et the state with	N/A
at stat	- but shall be of rubber or an equivalent elastomeric type	when we are the	N/A
Nº TEX	- rated for a maximum conductor insulation temperature of +90 °C	and and any an	N/A
me a	For non-standardized appliance couplers:	Intite white white white	N/A
det .	Type of cord:	+ + + +	N/A
et de	- shall be of PVC, rubber or an equivalent elastomeric type	wints white white	N/A
me	- rated for a maximum conductor insulation temperature of +90 °C	White white white wh	N/A

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Clause	Requirement + Test	Result - Remark	Verdict

Insul	nsulation resistance tested		Type of Required insulation [ΜΩ]	
a)	for appliance inlets with a connector in engagement, between the current-carrying contacts connected together and the body	R	≥7	when when
b) 🖑	for appliance inlets with a connector in engagement, between each pin in turn and the others connected together	onth F ont	≥ 2	at set
c) (°	for appliance outlets with a plug connector in engagement, between the current-carrying contacts connected together and the body	R	≥7	t get
d)	for appliance outlets without a plug connector in engagement, between the current carrying contacts connected together and the body	R	≥ 7	NI- N
e)	for appliance outlets with a plug connector in engagement, between each pin in turn and the others connected together	JUNE JU	≥2	
f) 📣	for connectors, between the current-carrying contacts connected together and the body	N ^{CC} R _{SO} C	_≥7	>100 MΩ
g) 🔨	for connectors, between each contact in turn and the others connected together	JEK F JEK		>100 MΩ
h) 🔗	for plug connectors, between the current-carrying contacts connected together and the body	R	≥7	WILL W
i)	for plug connectors, between each contact in turn and the others connected together.	F	≥ 2	NUTEX- NUT
Addit	ional test for rewirable connectors and plug connectors:	me m	24	
j)	for rewirable connectors, between any metal part of the cord anchorage, including clamping screws, and the earthing contact or earthing terminal	В	≥ 2	ret where
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	В	≥ 2	whitek wh
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	NITEK WALTS
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	≥ 2	at - ret

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1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		C 60320-1	In a
Clause	Requirement + Test	Result - Remark	Verdict

15.3	TABLE: Dielectric strength			⊘"P"
Insulation 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	R	3000	N LIFEK WALTE
))	for appliance inlets with a connector in engagement, between each pin in turn and the others connected together	F	1500	Siet - et
c)	for appliance outlets with a plug connector in engagement, between the current-carrying contacts connected together and the body	R	3000	e white w
d)	for appliance outlets without a plug connector in engagement, between the current carrying contacts connected together and the body	R	3000	white-whit
€) 	for appliance outlets with a plug connector in engagement, between each pin in turn and the others connected together	F	1500	Neret - unitet
;) 	for connectors, between the current-carrying contacts connected together and the body	R	3000	No
3)	for connectors, between each contact in turn and the others connected together	F	1500	No
ר)	for plug connectors, between the current-carrying contacts connected together and the body	R	3000	nn- nn
)	for plug connectors, between each contact in turn and the others connected together.	WILL MAL	1500	VINITE WALL
Addit	ional test for rewirable connectors and plug connectors:	st at	At	Set Set
) 941- 1927 -	for rewirable connectors, between any metal part of the cord anchorage, including clamping screws, and the earthing contact or earthing terminal	B.N.	1500	et unifet an
()	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	MALTON MAL
) _1	for rewirable plug connectors, between any metal part of the cord anchorage, including clamping screws, and the earthing contact or earthing terminal	Mark B Mark	1500	of the
n)	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	1500	S white wh
Supp	rod, of the maximum diameter of the cord as specified in	at unifer	111 111 11	t white

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er mer	WIN STREET	C 60320-1	
Clause	Requirement + Test	Result - Remark	Verdict

16 🖉 🚽	TABLE: Force necessary to withdraw the connector / appliance outlet		P
me m	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	cation of the maximum withdrawal force	
Sample N°		The connector / appliance outlet did not remain in the appliance inlet / plug connector (Y/N)	
	50 / min	Y where the second seco	
NUTE- MUT	50	A A A Y ST ST	
s - st	50	Y Y Y	
16.3	Verification of the minimum withdrawal force	wal force	
Sample N°		The single pin gauge did not fall from the contact assembly within 3 s (Y/N)	
	the set 1.5 set of the set	Not when Y and Y	
inti - inti	1.5	- the Ket with with	, P
·	1.5 A A	Y	Р

19	TABLE: Breaking	capacity			and all all and	P	
	Rated current [A].		:	2.5A	ne m m		
MALTER W	Rated voltage [V].		:	250V	Tet NITE MITE		
Sample N°	Test voltage [V]	Test current [A]		wer factor [cos Φ]	Number of strokes		
in in	Test con	ditions for connectors a	and appli	ance outlets >	0,2 A		
Let - Lie	275	3.125	A	0.6	100	್ P್ವ	
	275	3.125	N. W	0.6	100	Р	
17 <u>5</u>	275	3.125		.0.6	100	Р	



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20 🧷 🔬	TABLE: Normal op	peration		at at at	P
m. m.	Rated current [A]		: 2.5A	the must make	_
JEX MILE	Rated voltage [V]		: 250V	at the treet	
Sample N°	Test voltage [V]			Number of strokes	
m.	an an an	Test conditions for	0,2 A connectors	more more more	24
	STER INSTERNATION	mpi the m		4000	
m - m		at the still	INTE THE A	4000	201
.5 ^{6*-} .5	Strantiferra working	We Me m		4000	. S.C.
le de	Test con	ditions for connectors a	and appliance outlets	> 0,2 A	
JER THE	250	2.5	0.6	2000	Ś P
	1 1	t stet street w	ere were were	6000	Р
and the second	250	2.5	0.6	2000	Р
T.	de tot de	THE THEF WAY	me	6000	Р
unit - wh	250	2.5	0.6	2000	N ^N P
j	- And And	the state set	mer and the	6000	Р

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15.3	ex whi	TABLE: Dielectric strength - Repetition after clause 19 + 20	LEK MALTER	UNLIEK WINE	Int P N
Insulation or disconnection tested			Type of insulation	Test voltage [V]	Flashover / breakdown (Yes/No)
c)	betw	ppliance outlets with a plug connector in engagement, ween the current-carrying contacts connected together the body	INT R INT	1500	White Junit
d) (b	enga	ppliance outlets without a plug connector in agement, between the current carrying contacts nected together and the body	R	1500	- <u></u>
e)		ppliance outlets with a plug connector in engagement, een each pin in turn and the others connected together	JIF (750	Jun - m
f)	for connectors, between the current-carrying contacts connected together and the body		R	1500	No
g)	for connectors, between each contact in turn and the others connected together		NUTER POINTS	750	No
Addit	ional te	est for rewirable connectors and plug connectors:	the set	Jet .	
j)	cord	ewirable connectors, between any metal part of the anchorage, including clamping screws, and the ning contact or earthing terminal	В	750	S MALLET VIN
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	В	750	onites white
· · ·		ary information: lation: F (Functional); B (Basic); S (Supplementary); R (R	einforced)	WALTE M	it whit.



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21 🖉 🔬	TABLE: Temperature rise					
Mr Mr	Non-rewirable connectas delivered	ctors/plug connector	s are fitted with cords	Non-rewirable	_	
st white	Rewirable connectors according to Table 9		e fitted with cords al according to Table 8	WALL JULL W	_	
MALIN	Appliance outlet are f	itted with conductors	s according to Table 8	where where which		
NLTEX IN	Torque applied on cla Table 13) [N m]			the state and	_	
Sample N°	Test circuit (L-N)	Test current [A]	allowed dT [K]	measured dT [K]	P	
Lan	L-N	1.25*2.5	45	10.7	Р	
(# - 5 [#]	L-N S	1.25*2.5	45	6.9	P	
			White Main Main	me the me		
- <u>-</u> 5 ⁶⁷ .	street and make	July Thur	1	10 - 10 J		
Sample N°	Test circuit (L-PE)	Test current [A]	allowed dT [K]	measured dT [K]	Р	
the - an	L-PE	1.25*2.5	45	10.5		
	L-PE	1.25*2.5	45	6.8	5 ⁰	
-246				Cours - mar m		
et -5th	R. R	-		1 - 1 - 1	*	
Supplement	ary information:	Alt STREE	NUTER NALIE WALTER	mer mer mus	- 24	
16	TABLE: Force nece Repetition after clar		the connector/applian	ce outlet -	P	
Jet of	Type of connector /	appliance outlet / r	ated current:	2.5A		
10 - 20 -	Standard sheet:					
16.2	Verification of the m	naximum withdrawa	al force	Set Set of	Р	
Sample N°		hdrawal force gauge) [N]	The connector / ap not remain in the ap connecto	pliance inlet / plug		
	5	0,	Y	at at at	Р	
m. m	5	0, 5	Y NICE STREET	me me	Р	
50- 5	5	0	Y	t let let	्र P	
16.3	Verification of the m	ninimum withdrawa	Il force	mer mer an	Ρ	
Sample N°		hdrawal force gauge) [N]	The single pin gaug the contact assemb			
	JER STER NUT	.5 m sm s	Y	at at at	Р	
m n	1.	.5	Standard Market	in all all all a	P	

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Supplementary information:

22.1 TABLE: List of co		cords connecte	rds connected to non-rewirable connectors/plug connectors				
	Type of cord	Nominal cross- sectional area [mm ²]	Manufacturer / Marking on cord	Approval No.	Type of approval (HAR or others)	Date of issue	
	Tet . Jet - wifet int	St. Mar N	12 m - m	L - A	,t	St - 58	
2	n n in		1 1 - S	55	nº - m	24	

Supplementary information:

22.2.3	TABLE: Pull test for cal		1 14			
Whitek	Torque applied on clamp anchorage (2/3 of Table (only for rewirable constr	13) [N m]		_		
Sample N°	Type of cord	Nominal cross- sectional area [mm²]	Pull (100 times) [N]	Torque (1 min) [N m] [mm]		whitek
n -m			at so	- Contra	- m - 1	5 - 2h
et - set		- RID-			1. A.	(* - (
Supplement	ary information:	10 50	NITER MATE	white white	mer m	In.
Connectors + Plug connector		Cords:	2x 0,75 mm 🧷 -	 → 0,1 Nm (oth → 0,15 Nm → 0,25 Nm 	er than flat tins	el cords)





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2 m	the second second	IEC 60320-1	20
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22.3	TABLE: Flexing test						
NAT WIT	Before the test: Ageing fo connectors according to 2 24.2.3 (80 °C ± 2 °C / 168	24.2.2 (70 °C	±2 °C / 240 h) o	r r (it	80°C/168	3h	
Sample N°	Type of cord	Nominal cross- sectional area [mm²]	Test current [A]	F	orce [N]	Number of flexings	VINIT
24 - 2.	a at the de	t s et	NUTE - MUT	m	- m	m. m.	
S- 5	all the way	sur-		2	L		.52

23.3	TABLE: Lateral pull test	white white white white where we	Р
* .5 ^{0*}	After the test: comply with 16.3	and the state of	
16.3	Verification of the minimum withdraw	val force	Р
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 V
10- 1	1.5	Y A	P
Supplemen	tary information:	the state of the substantion of	W. m.

23.4	TABLE: Im	pact resistance	et ite atte with white wh	
Surfa	ce tested	Impacts per surface	Impact energy [J]	
Shroud (4	places)	3х	0,5	-√ ¹ P

24.1 TABLE: Resistance to heat – Ball pressure test						P		
an mer	Allowe	d impression diameter [mm]						
Part und	ler test	Material designation	Colour	Test temperature [°C]	Impression diameter [mm]			
Inlet live s part	support	SABIC JAPAN L L C	Biack	125	1.0 Jul	N ^P		
Connector support pa		SABIC JAPAN L L C	Black	125	501.1 50 ⁻¹	N ^L S P		
	. .	at all with the	2 JAY	an -m	10. 7 .			

while while while whe

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TABLE: Screws, current-currying parts and connections - Threaded part torque test					
l part ation	Diameter of thread [mm)	Column number (I or II)	Applied torque [N m]	Number of operations (5 / 10)	
m. a	h w	the set	ing the set	anti nati	. 7°
Alt is	Tet NITE INTE	mar - mar	24 24.	5- 6-	
	l part	I part ation Diameter of thread [mm) 	I part ation Diameter of thread [mm) Column number (I or II)	I part ationDiameter of thread [mm)Column number (I or II)Applied torque [N m]	I part ationDiameter of thread [mm)Column number (I or II)Applied torque [N m]Number of operations (5 / 10)

Supplementary information:

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26	TABLE: Clearance, creepage distance and solid ins	sulation	In Pun
4	Requirements clearance, creepage distance met	in the children of	at a
LIE .M	Rated voltage [V]:	AC 250	
.L	Overvoltage category:	200 - 20 II	
No.	Rated impulse voltage [V]:	2500	
×	Pollution degree:	2	
mer	Material group:	MITER WAITE WAITE WAITE	

Table 26.2 + 26.3 Clearances and creepage distances

Turner finanslation	26.2 Clear	ance CI [mm]	26.3 Creepage of	listance Cd [mm]	
Type of insulation	Required	Measured	Required	Measured	
Functional insulation Between L + N contacts	1.5	>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)	1.5	N LICE MALICE MAL	1.8	MAL MAL Y	
Reinforced insulation L-N-Contact Accessible surface (unearthed)	3.0	>5.0	5.0	>5.0	
Supplementary information:	et with white	mi mi	the the second	t at at	
Table 26.4 Solid insulation	and the	to the	THE STREE WITH	MALLE MALL	
at at at set	26.4 Solid reinf	orced insulation [m	nm]	at at	
Type of insulation	Required	Measured	et suret andre	white white w	
L-N-Contact Accessible surface (unearthed)	0.8	1.1			
Supplementary information:	let with mi	when white	m. m. m.		



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2. 24.	E E	C 60320-1	- an - an
Clause	Requirement + Test	Result - Remark	Verdict

27.1 TAB	LE: Resistance to heat ar	nd fire – Glow-v	wire test	1. 1	t de	Р
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	White North	w one	N	Р
Inlet Body	SABIC JAPAN L L C	650	St NSt	50 5	N	"rP.
Connector live pa	rt SABIC JAPAN L L C	750	Ň	0	N	P
Connector Body	SABIC JAPAN L L C	650	dr N ^{dr}	S 0 S	Ň	n P M
Supplementary in	formation:	mer mer	m. n	a st	d+	1 5

27.2	TABLE	ABLE: Resistance to tracking						
WALT	Numb	er of drops	••••••	:	50 (5x)	MULTER MALT	when	
Part unde	er test	Material designation	Test voltage [V]	br	ashover / eakdown Yes/No)	Material group		
Insert	S. 12	- mit - whi	175		No	at - at	<u></u> _	
Moulding	material	-	175		No 🔬	2 <u>2 2</u> 2	- ~	
Suppleme	entary info	ormation:	(SU)			t de d	10	
Material g	roup I	600 ≤ CTI						
Material g	roup II	400 ≤ CTI < 600						
Material g	roup Illa	175 ≤ CTI < 400						
Material g	roup IIIb	100 ≤ CTI < 175						

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2 am		C 60320-1	The In
Clause	Requirement + Test	Result - Remark	Verdict

E.4.2		E: Determination of the der ratures above t _a	rated operat	ing curren	its for ambie	nt- united	N/A
18 18	Rated	current [A]	, <u></u>	:		t st	
	-	Temperature at terminals [°C]		re measure t rated curr	ed at heating rent t _a [°C]	Rated ci [A]	
mill	m	90	L At	Set a	TEX NUTER	unite white	m
Temperat terminals		Temperature of heating cabinet t _a + steps of 5 °C		re measure t rated curr	ed at heating rent t _a [°C]	Measured [A]	
· -	et e	at the the the		Sample-No)	-	A
NUTE MAL	" "	m. m. m.	1	2	3	er nere-	In the second
90	- 1	t _a + 5°C	Wr an	n.	~		de
90	m	t _a + 10°C		At .	Jet - Jule	white we	in s
90	Alt	t _a + 15°C	<u>. 4</u> 0	m - n		1. 74	* <
<u>س</u> 90	m	t _a + 20°C	. <u></u> et			mer mer	ma
90	At .	t _a + 30°C	24 2			at at	, det
90	24	t _a + 35°C		LET THE	main m	mr	241
	1.1	t _a + 45°C	s		-/.	+ _t+	Slit
90		t _a + 50°C	JER JIE		- unit	m. n	
90		t _a + 55°C		<u>_</u>		Set 5	at a
90	200	t _a + 60°C	er ale	man - m	in all	m. m.	27



			IEC	C 60320-1		
Clause	Req	uirement + Test	WITER WITE	Result -	Remark	Verdict
Julia -	TABLE	E: list of critical com	ponents	10 50 J	at white white	Mar Min
object/par	t No.	manufacturer/ trademark	type/model	technical data	standard	Mark
Enclosure Appliance		SABIC JAPAN L L C	945(GG)	V-1,105°C, Min. thickness 2.0mm	UL94,UL746	Tested with appliance UL 207780
Plug late contact		Dongguan Yuci Hardware Electron Co.,Ltd.	H65	Cu>85%	IEC 60320-1	Tested with appliance
alternati	ve	FOSHANG GUANGLONG copper and metal manufacture CO.,Ltd	H65	Cu>85%	IEC 60320-1	Tested with appliance
alternati	ve	Yuyao Yonghai Hardware product Co.,Ltd	H65	Cu>85%	IEC 60320-1	Tested with appliance
Enclosure Connec		SABIC JAPAN L L C	945(GG)	V-1,105°C, Min. thickness 2.0mm	UL94,UL746	Tested with appliance UL 207780
Contact Connec		FOSHANG GUANGLONG copper and metal manufacture CO.,Ltd	H65	Cu>85%	IEC 60320-1	Tested with appliance
alternati	ve	Dongguan Yuci Hardware Electron Co.,Ltd.	H65	Cu>85%	IEC 60320-1	Tested with appliance
alternati	ve	Yuyao Yonghai Hardware product Co.,Ltd	H65	Cu>85%	IEC 60320-1	Tested with appliance

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- CONTROL -

AS/NZS 60320.1

Clause	Requirement + Test	Result - Remark	Verdict		
AS/NZS 60	0320.1:2012	itst untited white white whi	- m		
APPENDIX NEW ZEA	X ZZ - VARIATIONS TO IEC 60320-1, Ed.2.1 (2007) F LAND	FOR APPLICATION IN AUSTRALI	IA AND		
16.1	In the first dash point, add the following to the first li	ine after '16.2':	<u></u>		
r. m.	or by the test of 16.201	NUTE MUTE WALL WITE	n n		
16.2.201	The following test is considered to be a suitable altered to be a suitable altered to be a suitable altered by the suitable al	ernative to the test of	Ster P		
WALTER V	By manual means, the connector shall be fully inserted into and withdrawn 10 times from an appliance inlet complying with the appropriate standard sheet of this Standard.	would would would would would	P. C		
n wi Ist wait t ret	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 white	P		
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		
et 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—	after white white white	N/A		
NUTER	(a) $120 \pm 2^{\circ}$ C for connectors for hot conditions; and	of the the state with	N/A		
at a	(b) $155 \pm 2^{\circ}C$ for connectors for very hot conditions	me me m	N/A		
[7 55]	Add the following sentence at the end of the third pa	aragraph	MALL .		
Set whis	The 'Test of Earthing Connection' in AS/NZS 3100 may be applied as an alternative to the test of Clause 21.	white white white white	N/A		
19	Add the words 'or brass pins' after the words 'hardened steel pins' in second line of third paragraph.				
đ	Delete last sentence of third paragraph.				
and a	Insert the following new paragraph after the third paragraph:				
set white	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).	whitek whitek whitek whitek	sunin Pé		
21	Add the following sentence at the end of the fourth	paragraph:	Er JALIE		
.et	Alternatively, the connector is inserted into an appliance inlet complying with this Standard.	when we we	N/A		



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Clause	Requirement + Test Result - Remark	Verdict			
min	Add the following text to the end of both the fifth and sixth paragraphs:	111			
JEt	until the temperature is stabilized.	Р			
22.4	Table 6 Add the following new Note:	111 -			
ETER WAY	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			
- 54 - C	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:	7			
MUTE WI	In particular, the following shall be checked by inspection:	SUC P			
TER WILL	(a) Live parts shall not be exposed so as to impair compliance with Clause 10.	NUL POR			
VALTER VALTER	(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.				
NIT V	(c) Any other function affecting safety shall not be impaired.	Р			
et _n un	(d) No part shall have become detached or loosened to the extent that a hazardous situation is created.	NA P V			
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':				
.st	for accessories with a rated current exceeding 0.2 A;	Р			

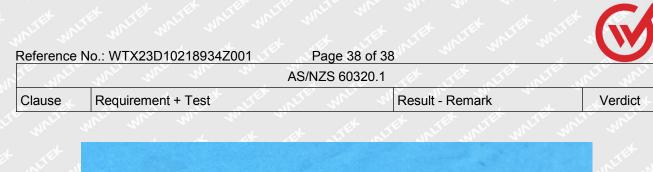






Photo 2 External View =====End of Report======

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