



TEST REPORT

| Reference No. | -24 | WTX23D10218933Z002 |
|------------------------|------------------|-------------------------------------------------------|
| Applicant | . 3 | GlobTek, Inc. |
| Address | : | 186 Veterans Dr. Northvale, NJ 07647 USA |
| Manufacturer | The | GlobTek, Inc. |
| Address | * | 186 Veterans Dr. Northvale, NJ 07647 USA |
| Product Name | : < | Blades-R |
| Model No | : | R-EU-3 |
| Total pages | : | 11 pages |
| Standards | N ^{III} | DIN VDE 0620-1:2016+A1:2017 |
| Date of Receipt sample | | 2023-10-18 |
| Date of Test | | 2023-10-18 to 2023-11-15 |
| Date of Issue | ÷ | 2023-11-18 |
| Test Result | : 0 | The submitted samples comply with the above standards |

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.

Prepared By: Waltek Testing Group Co., Ltd.

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

Compiled by:

Dave Ferg

Dave feng / Project Engineer

Approved by:

Sam Qi / Designated Reviewer



AVINE EL

Reference No.: WTX23D10218933Z002 Page 2 of 11 **DIN VDE 0620** Result – Remark Clause Requirement - Test Verdict Test item description Blades-R Trademark: GlobTek, Inc. R-EU-3 Model and/or type reference: Serial number: N/A Rating(s)..... N/A General product information: The product with models R-EU-3 is Plug with detachable EU plug and connector. The maximum ambient temperature specified by manufacturer is 40°C Connector on detachable plug part with adaptor has been tested with the appliance according to IEC 60320-1:2021 see report No. WTX23D10218933Z001 Table of critical components and materials: Mark(s) of Object / Part Manufacturer / Type / Model Technical data Standard conformity Trademark No. Tested with SABIC JAPAN L L Enclosure for V-1,105°C, Min. 945(GG) UL94,UL746 appliance Appliance inlet С thickness 2.0mm UL 207780 Plug lateral Dongguan Yuci Tested with contacts Hardware Electron H65 Cu>85% IEC 60320-1 appliance Co.,Ltd. FOSHANG GUANGLONG Tested with alternative copper and metal H65 Cu>85% IEC 60320-1 appliance manufacture CO.,Ltd Yuyao Yonghai Tested with Hardware product alternative H65 Cu>85% IEC 60320-1 appliance Co.,Ltd Tested with Enclosure for V-1,105°C, Min. appliance UL94,UL746 SABIC JAPAN L L C 945(GG) Connector thickness 2.0mm UL 207780 FOSHANG GUANGLONG Contact for Tested with copper and metal H65 Cu>85% IEC 60320-1 Connector appliance manufacture CO.,Ltd Dongguan Yuci Tested with alternative Hardware Electron H65 Cu>85% IEC 60320-1 appliance Co.,Ltd. Yuyao Yonghai Tested with Hardware product Cu>85% IEC 60320-1 alternative H65 appliance Co.,Ltd

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| 20 | | DIN VDE 0620 | 20 |
|--------|--------------------|-----------------|---------|
| Clause | Requirement – Test | Result – Remark | Verdict |

| Summary of testing: | whit when we we we sty the | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|--|--|--|
| 1 | test report complies with VDE 0620-1 according to the | | | |
| test results on the submitted samples. | | | | |
| Name and address of factory (ies): 1: GlobTek, Inc. 186 Veterans Dr. Northvale, NJ 2. GlobTek (Suzhou) Co., Ltd Building 4, No. 76 Suzhou,JiangSu 215021, China | | | | |
| Test case verdicts | Mult must write with the state | | | |
| Test case does not apply to the test object: | N (N/A) | | | |
| Test item does meet the requirement: | P (Pass) | | | |
| Test item does not meet the requirement: | F (Fail) | | | |





Clause

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| Mrs. Mrs. 10. 1. | DIN VDE 0620 | an an |
|--------------------|-----------------|---------|
| Requirement – Test | Result – Remark | Verdict |

| 8 | MARKING | | P |
|-------|----------------------------------------------------|-----------------------------|--------------------------|
| 8.1 | Accessories marked with: | | SP -S |
| * | rated current (A) | an an an a st | Р |
| in m | rated voltage (V): | ster outer south substitute | Por Por |
| 8 | symbol for nature of supply: | ~ | |
| Mar | • manufacturer's or responsible vendor's name : | E INTER WALT WALT WA | Р |
| . Alt | type reference: | a at at a | P |
| m | symbol for degree of protection (first digit): | IP2X | <i>∽</i> ⁰ °P |
| | • symbol for degree of protection (second digit) : | IPX0 | N P |

| 9 | CHECKING OF DIMENSIONS | | J POT |
|--------|---------------------------------------------------------------------------------------------|--------------------------------|-------|
| et min | Plugs shall comply with Standard Sheet 1. | See table (dimensions of plug) | P P |
| | compliance is checked by measurement and by means of the gauges shown in figures 1 and 2. | which with the state | Р |
| -ne- | The use of the gauges shown in figure 1 for checking the diameter of the pins, is optional. | nite white white whe | Р |

| 10 | PROTECTION AGAINST ELECTRIC SHOCK | | P | |
|--------|---------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------------|--|
| 10.1 | Test with standard test finger shown in figure 2 of DIN EN 61032 | white white white wh | Р | |
| A MATE | Ambient temperature: 35 ± 2 °C | tet stet stret with | Р | |
| | with a straight unjointed test finger (75 N for 1 min) | m. m. m | Р | |
| main v | Plugs and portable socket-outlets pressed with a force of 150 N for 5 min as shown in figure 22: specimens not show deformation | white white white | white w | |
| 10.3 | Connection between a pin of a plug and a live socket- contact of a socket-outlet not possible while any other pin is accessible | et white white white w | er politik | |
| -200 | Ambient temperature: 35 ± 2 °C | water water water water | Р | |
| 10.4 | External parts of insulating material | at at at a | Р | |

| 14 | CONSTRUCTION OF PLUGS | at let set set | ್ಷ ಇನ್ನು |
|---------|---------------------------------------------------------------------------------------------------------------|---------------------------|----------------------|
| 14.1 | Non-rewirable plug | wat she with | Р |
| JER WAL | Accessory cannot be opened by hand or by using a general purpose tool, for example a screwdriver used as such | watter watter watter w | Ster Ponti States |
| 14.2 | Pins of plugs and portable socket-outlets: adequate mechanical strength | Whitek Whitek Whitek Whit | Р |

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| | DIN VDE 0620 | and and and | 20. 2. |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-------------|
| Clause | Requirement – Test | Result – Remark | Verdict |
| str | where we want the state | where outre where we | - m |
| WALTER W | Test for pins not solid (made after clause 21): force of 100 N exerted on the pin for 1min by means of a steel rod Ø 4,8 mm | stret white white white | N/A |
| NUTEK ANY | During the application of the force: reduction of the dimension of the pin not exceed 0,15 mm | set that street minest | N/A |
| et se | After removal of the rod: dimensions of the pin not changed by more than 0,06 mm | with with state | N/A |
| 14.3 | Pins of adaptors: | white white white w | P |
| | - locked against rotation, except where rotation is not likely to impair safety or function | stet suret miret and | Set Pot |
| de. | - not removable without dismantling the adaptor | m m n | L P- |
| and an | - adequately fixed in the body of the adaptor when the plug is wired and assembled as in normal use | LIFE WALTER WALT WALT | NP P S |
| LIE WALT | Earthing or neutral pins or contacts of adaptors: not possible to replace in an incorrect position | at watter watter watter. | Post |
| et white | The pin(s) of portable accessories constructed in such a way that the mechanical strength of the pin(s) does not depend on the plastic material | whitek whitek whitek w | S CA P C |
| white w | Compliance is checked by inspection and in case of doubt by the tests of 14.2 and Clause 21 on a new set of specimens without plastic | Milet while while whi | WP P |
| nt white | Surfaces of plug pin(s) smooth and free from burrs or sharp edges and other irregularities which could cause damage or excessive wear to corresponding socket contacts or shutters | and which which | P-W |
| 14.6 | Pins and socket-contacts: resistant to corrosion and abrasion | the state where an | STATE Pret |
| 14.23 | Plug-in equipment: not cause overheating of the pins or impose undue strain | white white white white | P |
| an an | Plugs with rating above 16 A and 250 V: not integral part of other equipment | STE WALL WALL WALL | N/A |
| LICE WAL | Tests for two-pole plugs, with or without earthing cont including 16 A and 250 V (plug of equipment inserted complying with this standard): | | N/A |
| 14.23.1 | Socket-outlet connected to a supply voltage equal to 1,1 times the highest rated voltage of the equipment (V): | WALTER WALTER WALTER W | P |
| Set . | Temperature rise of the pins after 1 h not exceed 45 K(K): | at at at at | P |
| 14.23.2 | Additional torque applied to the socket-outlet to maintain the engagement face in the vertical plane not exceed 0,25 Nm (Nm) | the world | ME P W |
| 14.24 | Plugs: can easily withdrawn by hand from the relevant socket-outlet | with with the | P |
| white | Gripping surfaces: so designed that the plug can be withdrawn without pull on the flexible cable | white white white wh | NP A Jut |

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| D | VIN VDE 0620 | |
|--------------------|-----------------|-----------------------------------------------------------|
| Requirement – Test | Result – Remark | Verdict |
| 1 | - A. A A. A. S. | DIN VDE 0620 Requirement – Test Result – Remark |

| 16 | RESISTANCE TO AGEING, TO HARMFUL INGRESS OF WATER AND TO HUMIDITY Resistance to ageing | | P |
|----------|---------------------------------------------------------------------------------------------------------------------|-------------------------|----------------------|
| 16.1 | | | Р |
| Jule In | Accessories shall be resistant to ageing | let tet the state | NUT P IN |
| et de | Accessories subjected to a test in a heating cabinet at 70 $^{\circ}$ C \pm 2 $^{\circ}$ C for seven days (168 h) | n who we we | P P |
| - an- | After the tests, samples shall show: | the water water water y | n n |
| WALTER | no crack visible with normal or corrected vision without additional magnification | + | UP NIPER |
| 4 | no sticky or greasy material | Mr. In A. | P |
| In sin | no trace of cloth (forefinger pressed with 5 N) | LIEL NUTER INUT MUT | 01 ¹¹ P 3 |
| de la | no damage | n n r r | P |
| 16.3 | Resistance to humidity | Tet when out white | mer m |
| at mines | Humidity between 91 % ~ 95 % and temperature between 20 °C ~ 30 °C for 48 h. | 93% R.H., 25°C, 48 h | |
| fet | After this treatment the specimens show no damage | white white white white | P |

| 17,0 | INSULATION RESISTANCE AND ELECTRIC STRENGTH | | |
|------|----------------------------------------------------------------------|------------------|---------|
| 17.1 | Resistance \geq 5M Ω (500 V, 1 min) | and which when a | 1. b 2. |
| 17.2 | Electric strength test (2000 V, 1 min): no flashover or breakdown | No breakdown. | SP P |

| 23 | FLEXIBLE CABLES AND THEIR CONNECTION | | N/A |
|------|---------------------------------------------|-------|-----|
| dt . | Cords in compliance with HD 21.5 or HD 22.4 | 1 A A | N/A |

| 24 | MECHANICAL STRENGTH | | |
|----------|--------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-----|
| 24.2 | Tumbling barrel test: number of falls | 500 falls was conducted | P P |
| \$.I | Torque test on pins (0.4 Nm, 1 min) | i i it | |
| 24.7 | Plug pins provided with insulating sleeves: 20000 movements, 4 N (apparatus shown in fig. 29) | white white white wh | N/A |
| where | After the test: no damage of pins, insulating sleeve not have punctured or rucked up | never water water water | N/A |
| 24.10 | Plugs: pull test to verify the fixation of pins in the body of the plug (new specimens) | ret thet whet muset | N/A |
| JEX WALT | Maximum withdrawal force (table 16) applied for 1 min on each pin in turn, after the specimen has been placed at 70 °C for 1 h | at miller while while w | N/A |
| * INLIEK | After the test: displacement of pins in the body of the plug \leq 1 mm | the set with a | N/A |

| 25 | RESISTANCE TO HEAT | at at at 50 | t sufer muter | NP N |
|----|------------------------|-------------------------|---------------|-------|
| | esting Group Co., Ltd. | white white white white | The second | de la |

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| 2 m | D | IN VDE 0620 | 211- 24 |
|--------|--------------------|-----------------|---------|
| Clause | Requirement – Test | Result – Remark | Verdict |

| 25.1 | Portable accessories: heating cabinet 100 °C for 1 h | | | |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--|--|
| mer a | During the test: no change impairing their further use and sealing compound, if any, not flow | 31 ⁰¹ P - 3 | | |
| STER . | After the test: markings still legible | P N | | |
| 25.2 | 5.2 Parts of insulating material of fixed socket-outlets necessary to retain current- carrying parts and parts of the earthing circuit in position, and parts of the front surface zone of 2 mm width surrounding the phase and neutral pin entry holes: ball-pressure test (1 h, 125 °C) | | | |
| | After the test: diameter of impression $\leq 2 \text{ mm}$: 0.5 mm | Р | | |
| 25.3 | For parts not necessary to retain current-carrying parts and parts of the earthing circuit in position, even though in contact with them: ball-pressure test (1 h) | | | |
| inti vi | Test temperature (70 °C or 40 °C + highest temperature rise determined during the test of clause 19): | P | | |
| in an | After the test: diameter of impression $\leq 2 \text{ mm}$: 1.1 mm | Р | | |
| 25.4 | Portable accessories: compression test (20 N, 1 h, 80 °C) by means of the apparatus shown in figure 37 | et Pret | | |
| A | After the test: no damage | P | | |

| 26 | SCREWS, CURRENT-CARRYING PARTS AND CONNECTIONS | Р |
|---------|---------------------------------------------------------------------------------------------------------------------------|-----|
| 26.1 | Connections withstand mechanical stresses | |
| 26.5 | Current-carrying parts of metal having mechanical strength, electrical conductivity and resistance to corrosion adequate: | P. |
| - she | copper; | N/A |
| white | alloy with at least 58 % copper for parts made from cold-rolled sheet or with at least 50 % copper for other parts; | P |
| MULTER | stainless steel with at least 13 % chromium and not more than 0,09 % carbon | N/A |
| LIEX IN | steel with electroplated coating of zinc (ISO 2081), with thickness of at least: | N/A |

| 27 | 27 CREEPAGE DISTANCES, CLEARANCES AND DISTANCES THROUGH SEALING | |
|---------|---------------------------------------------------------------------------------------------|------------------------|
| 27.1 | Creepage distances and clearances between live parts ≥3 mm | MITTY MATTY MATTY MART |
| WITEK W | Creepage distances and clearances between live parts and accessible external surfaces ≥3 mm | Tet milet milet white |
| de la | Distance through insulation ≥1.5 mm | A A A P |

| 28 | RESISTANCE OF INSULATING MATERIAL TO ABNORMAL HEAT, TO FIRE | * P.# |
|--------|-------------------------------------------------------------|---------|
| NUN IN | AND TO TRACKING | JINLA . |

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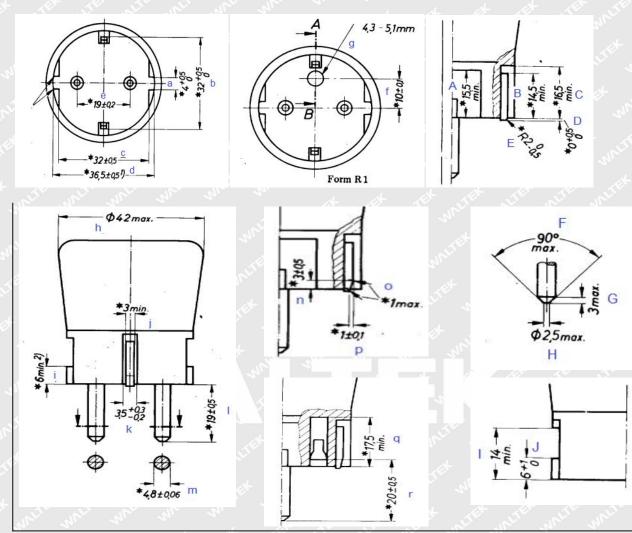
| | DIN VDE 0620 | | | | |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-----------|--|--|
| Clause | Requirement – Test | Result – Remark | Verdict | | |
| stra | W W Start Start | all and and and | - an- | | |
| 28.1 | Glow-wire test (750 °C for parts necessary to retain current-carrying parts in position): no visible flame, no sustained glowing or flames and glowing extinguish within 30 s after removal of glow-wire | Glow wire test performed on plug pin holder with 750°C. | WALLEY V | | |
| tet une | Glow-wire test (650 °C for other parts): no visible flame, no sustained glowing or flames and glowing extinguish within 30 s after removal of glow-wire | Glow wire test performed on plug portion with: 650°C. | Poll Poll | | |
| 28.2 | Resistance to tracking | white white white white | Р | | |
| WALTER | Parts of insulating material retaining live parts in position of accessories other than ordinary: test voltage 175 V, 50 drops, solution A of IEC 112 | No flashover or breakdown | P | | |

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Sub-clause 7 Dimension of plug shall comply with standard sheet1. Unit (mm)



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| Appended table: | Measurement (mm) | | | INTERNIT |
|------------------------------|-----------------------|------------------|-------------------|--------------|
| Dimensions | Sample No. 1 | Sample No. 2 | Sample No. 3 | Limit (mm) |
| and and and | 4.03 | 4.00 | 4.02 | 18.8-19.2 |
| L b t t | 32.08 | 32.10 | 32.05 | 4.0-4.5 |
| we want we are we | 31.59 | 31.60 | 31.61 | 32.0-32.5 |
| d (not less tha | n this diameter with | in 6mm from enga | gement surface) | |
| ret miret while while whi | 36.32 | 36.30 | 36.29 | 36-37 |
| d (not more that | in this diameter with | in 18mm from eng | agement surface) | - m - m |
| - LIEX ALTER MUTER MAIL | Mr. Att. 2 | | the state | 36-37 |
| е | 18.92 | 18.90 | 18.89 | 18.8-19.2 |
| white white white white | un mun m | t at | 1 1. t | 9.9-10.1 |
| g | at the mile | white white | when the m | 4.3-5.1 |
| and when the second | - m - m | A = A | let 5th as | Max. Ø42 |
| | 3.62 | 3.60 | 3.58 | 3.3-3.8 |
| and in the water water water | 19.30 | 19.28 | 19.31 | 18.5-19.5 |
| k At | 4.78 | 4.77 | 4.76 | Ø4.74- Ø4.86 |
| white white phis where | 3.0 | 3.0 | 3.0 | 2.5-3.5 |
| | AT NO ST | Mr. Mr. | 211. 20. | Max. 1 |
| NUT WALL P UN Y | | | In the second | 0.9-1.1 |
| at at a | 1 - re - rom | | | Min. 17.5 |
| in mer mer m | A | Set Set | When and the most | 19.5-20.5 |
| t at all All all | 17.53 | 17.50 | 17.48 | Min.15.5 |
| and an Ban an | 18.20 | 18.17 | 18.20 | Min. 14.5 |
| the set Caset asses | 22.10 | 22.10 | 22.08 | Min. 16.5 |
| Mar Mar D | A 5 5 | - NUTE- MUTER | WILL STATE | 0-0.5 |
| THE LIFE SER WITE WA | 2 mun - mu | | to the second | R1.5-2.0 |
| F T | t st- ster | MUTER MILIE W | 1 th mar m | Max. 90° |
| of the offer of the second | with m | 4 - A | d | Max. 3 |
| H | Tet - Liet | the wether we | men - m | Max. Ø2.5 |
| MITER MITE WALTE WALT | 22.12 | 22.11 | 22.10 | Min. 14 |
| J J At At | fet nate int | mail- mark | | 6-7 |

Appended table:

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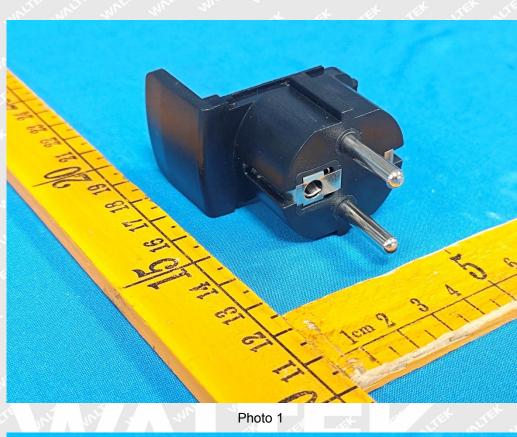


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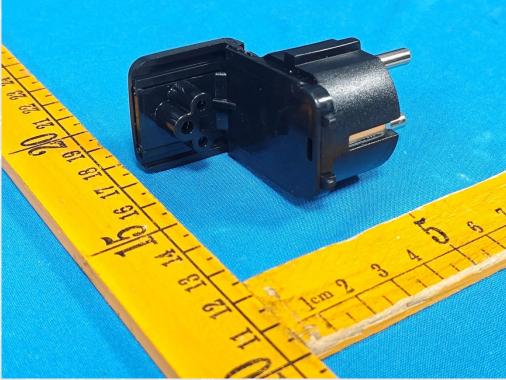


Photo 2

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