



CERTIFICATE OF CONFORMITY

EU – LOW VOLTAGE DIRECTIVE – 2014/35/EU

Registration NO.: VT16090111

Applicant: WENZHOU NEWSUPER ELECTRICAL CO., LTD

Applicant Address: NO.178 JING 3 ROAD YUEQING ECONOMIC DEVELOPMENT ZONE
YUEQING WENZHOU ZHEJIANG 325600 CHINA

Product Description: WALL MOUNTING ENCLOSURE BOX

Model / Parameters: JXF series IP65, IK08

TCF / Project NO. 8609026

Complies with the requirements of the European Community Directive 2014/35/EU. The submitted products have been tested by us with the listed standards and found in compliance with the following European Standards:

EN 62208 : 2011

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical Report and documentation are at the License applicant's disposal. This certificate does not imply assessment of the series-production of the product. The CE markings as shown below can be affixed on the product after preparation of necessary technical documentation.



Authorized by:
Sep 26, 2016

Aaronot.
Chief Assessor



VOV CERTIFICATION & TESTING LABORATORY LIMITED

THIS CERTIFICATE REFLECTS THE FINDINGS OF THE TIME AND PLACE OF THE AUDIT
THE CERTIFICATION IS ONLY VALID WITH THE TEST REPORT OR TECHNICAL CONSTRUCTION FILE
Internet site: www.vov.org.uk E-mail: vov@vov.org.uk



TECHNICAL CONSTRUCTION FILE (TCF)

EU LOW VOLTAGE DIRECTIVE 2014/35/EU

PROJECT NO.: 8609026

Registration NO.: VT16090111

EN 62208:2011

WENZHOU NEWSUPER ELECTRICAL CO., LTD

WALL MOUNTING ENCLOSURE BOX

Date of Report: 2016-09-26

VOV Certification & Testing Laboratory Limited

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TESTING LABORATORY**Location****VOV CERTIFICATION & TESTING LABORATORY LIMITED**

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Details of applicant

Name : WENZHOU NEWSUPER ELECTRICAL CO., LTD
ADD : NO.178 JING 3 ROAD YUEQING ECONOMIC DEVELOPMENT
ZONE YUEQING WENZHOU ZHEJIANG 325600 CHINA

Details of manufacturer

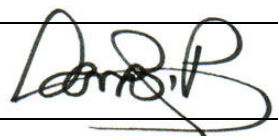

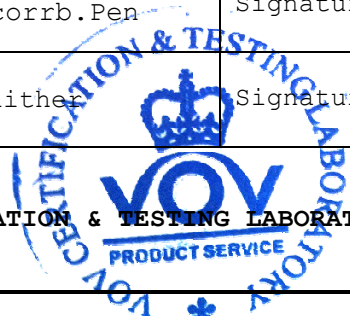
Name : WENZHOU NEWSUPER ELECTRICAL CO., LTD
ADD : NO.178 JING 3 ROAD YUEQING ECONOMIC DEVELOPMENT
ZONE YUEQING WENZHOU ZHEJIANG 325600 CHINA

Test item

Description of t item : WALL MOUNTING ENCLOSURE BOX
Type identification : JXF SERIES
Specification : IP65, IK08

Test Standards

EN 62208:2011

AUDIT INFORMATION:		
Description of Test	Standard No.	EN 62208:2011
Test Engineer by	Dcorrb.Pen	Signature 
Reviewer by	Gaither	Signature 
<div style="text-align: center;"> VOV CERTIFICATION & TESTING LABORATORY LIMITED PRODUCT SERVICE</div>		

EN 62208:2011

Test item particulars -- WALL MOUNTING ENCLOSURE BOX

Possible test case verdicts:

- Test case does not apply to the test object : N(.A.)
- Test object does meet the requirement : P(Pass)
- Test object does not meet the requirement : F(Fall)

Testing Date:

Date of receipt of test item : 2016-08-30
Date(s) of performance of tests : 2016-08-30~2016-09-26

General remarks:

The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the issuing testing laboratory.

Test product information:

Type identification : JXF SERIES
Specification : IP65, IK08

Test Result:

Pass

FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGES



1- GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

The **WENZHOU NEWSUPER ELECTRICAL CO., LTD** Model **JXF SERIES IP65, IK08** in this report is the **WALL MOUNTING ENCLOSURE BOX**. Product's details are presented Appendix

Note : The test data was only good for the test sample. It may have deviation from other sample.

1.2 Objective

The following Declaration of Conformity report of the **WALL MOUNTING ENCLOSURE BOX** equipment is prepared on behalf of **WENZHOU NEWSUPER ELECTRICAL CO., LTD**, In accordance with **EN 62208:2011**.

2、Test equipment utilized

ID-Nr.	Test-Equipment	Type	Manufacturer
V001	Protective wire and insulation tester	PI 6001 D	SPS electronic
V002	Test pin for protective wire	PE 15-i	SPS electronic
V003	Power supply	MX-9300	MAXCOM
V004	Frequency counter	MX-9300	MAXCOM
V005	Function generator	MX-9300	MAXCOM
V006	Digital multimeter	MX-9300	MAXCOM
V007	Spectrum analyzer	PSA 65A	AVCOM
V008	Climatic chamber	HC 4033	Heraeus Votsch
V009	Programmable power supply	TOE 8815	Toellner
V010	Power supply	DF 1730	WJG
V011	Regeltrafo		TPW/RFT
V012	High Voltage Generator		
V013	Digital oscilloscope (2Gs/s)	TDS 640A	Tektronix
V014	High Voltage probe	P 6015	Tektronix
V015	Wheatstone bridge	J 573	RFT
V016	Function generator	MX 2020	MAXCOM
V017	Sweep function generator	7202	Dagatron
V018	Audio generator	7101	Dagatron
V019	Vibration table		Sandbox
V020	LCR Meter	SR 720	Rhode & Schwarz
V021	Digital multimeter	PMM 208	Dagatron
V022	Thermo hygro recorder	C 042801	Amarell
V023	Digital thermometer	AK-688	KD
V024	Digital thermometer		PRIMA
V025	Digital thermometer	ad 170th	ama-digit

V026	Digital thermometer	ad 31th	ama-digit
V027	Digital thermometer/humidity meter	ad 90th	ama-digit
V028	Digital thermometer/humidity meter	37950-10	Cole Parmer
V029	Digital thermometer	ad 15th	ama-digit
V030	Digital thermometer	Type K	Amarell
V031	Digital thermometer	ad 20th	ama-digit
V032	High voltage test generator	HA 3300 D	SPS electronic
V033	High voltage test accessories	HVGZ 312	SPS electronic
V034	Socket-Outlet Torque Balance	F 37.13	PTL
V035	Force Indicator 50N	P 10.31	PTL
V036	Unjointed Finger Probe	P 10.05	PTL
V037	Flexible Finger Probe	P 10.01	PTL
V038	Spring Operated Impact Hammer var.	F 22.50	PTL
V039	Metallic Ball	F 53.32	PTL
V040	Hazardous Live Probe	P 10.06	PTL
V041	Hazardous Live Probe	P 10.11	PTL
V042	Ball Pressure Test Apparatus	T 10.02	PTL
V043	Glow Wire Tester	T 03.14	PTL
V044	8-Channel Digital Thermometer	ADAM-4018M	Advantech
V045	8-Channel Digital Thermometer	ADAM-4018M	Advantech
V046	Laser test system	LM-ULTIMA	Coherent
V047	Optical comparator	8x	Hensoldt-Wetzlar
V048	Optical comparator	20x	Hensoldt-Wetzlar
V049	Optical comparator	40x	Hensoldt-Wetzlar
V050	Digital Calliper	10-871-2	ED&D
V051	Feeler Gauges	set	LGA

3. EN 62208:2011 report

Clause	Requirement - Test	Result - Remark	Verdict
4	Classification		-
	Enclosures are classified according to		-
	a) the type of material: - insulating - metallic - combination of insulating and metallic	-	-
	b) method of fixing: - floor standing - wall mounting - flush mounting - pole mounting	wall mounting	P
	c) the intended location: - outdoor - indoor	indoor	P
	d) the degree of protection: - IP code, according to IEC 60529 - IK code, according to IEC 62262	JXF SERIES IP65, IK08	P
	e) rated insulation voltage (for enclosures made of insulating materials)		P
5	EMC requirements		-
	EMC requirements are not applicable for enclosures to this standard. For degrees of protection provided by enclosures against electromagnetic disturbances (EM code) see IEC 61000-5-7.		N
6	Information to be given regarding the enclosure		-
	The following information shall be given by the manufacturer.		-
6.1	Marking		-
	The enclosure shall be identifiable, making it possible for the final assembler to obtain relevant information from the enclosure manufacturer. Such identification shall comprise: - either the name, trade mark or identification mark of the enclosure manufacturer; - type designation or identification number of the enclosure.		P

Clause	Requirement - Test	Result - Remark	Verdict
	The marking shall be durable and easily legible and may be inside the enclosure.		P
	Compliance is checked according to the test of 9.2 and by inspection.		P
	Marking for the recycling of plastic parts shall be as stated in ISO 11469.		P
6.2	Documentation		-
	The manufacturer's documentation shall include all relevant constructional, mechanical characteristics, the enclosure classification (see clause 4) and any instruction necessary for the correct handling, assembling, mounting and service conditions of the enclosure as well as reference to this standard.		P
	Information shall also be available concerning the thermal power dissipation relative to the effective cooling surface. This will provide the user with the correct data for the selection of electrical equipment to be installed. For the purpose of the calculation, it is assumed that the heat generated by the selected equipment is distributed uniformly inside the protected space.		P
7	Service conditions		-
	Enclosures conforming to this standard are intended for use under the following service conditions.		P
	The enclosure manufacturer shall specify the locations for which the enclosure is intended.		P
7.1	Normal service conditions		-
7.1.1	Ambient air temperature		-
7.1.1.1	Ambient air temperature for indoor locations		-
	The ambient air temperature does not exceed +40 °C and its average over a period of 24 h does not exceed +35 °C. The lower limit of the ambient air temperature is -5 °C.		P

Clause	Requirement - Test	Result - Remark	Verdict
7.1.1.2	Ambient air temperature for outdoor locations		-
	The ambient air temperature does not exceed +40 °C and its average over a period of 24 h does not exceed +35 °C.		P
	The lower limit of the ambient air temperature is -25 °C in a temperate climate and -50 °C in an arctic climate.		P
7.1.2	Atmospheric conditions		-
7.1.2.1	Atmospheric conditions for indoor locations		-
	The air is clean and its relative humidity does not exceed 50 % at a maximum temperature of +40 °C. Higher relative humidity may be permitted at lower temperatures, for example 90 % at +20 °C.		P
7.1.2.2	Atmospheric conditions for outdoor locations		-
	The relative humidity may be temporarily as high as 100 % at a maximum temperature of +25 °C.		N
7.1.3	Description of locations		-
	For outdoor locations the additional tests specified in 9.11 and 9.12 apply.		N
	For indoor locations, the additional test specified in 9.12.1 a) applies.		P
7.2	Special service conditions		-
	Where any of the following special service conditions exist, the applicable particular requirements shall be subject to agreement between user and manufacturer. <ul style="list-style-type: none"> - abnormal ambient air temperature and humidity; - presence of corrosive substances; - presence of particular dusts (coal, cement, etc.); - abnormal mechanical stresses (seismic, etc.); - presence of fauna, flora, mould; - ionizing influences; - electromagnetic interferences; - vibrations. 		N

Clause	Requirement - Test	Result - Remark	Verdict
7.3	Conditions during transport and storage		
	Unless otherwise specified, the following temperature range applies during transport and storage: between -25 °C to +55 °C and for short periods not exceeding 24 h up to +70 °C.		P
8	Design and construction		-
8.1	General		-
	The enclosure shall be constructed only of materials capable of withstanding the mechanical, electrical and thermal stresses, as specified in clause 9, as well as the effects of humidity which are likely to be encountered in normal use.		P
	Protection against corrosion shall be ensured by the use of suitable materials or by the application of protective coating to the exposed surface, taking into account the intended conditions of use.	Compliance to this requirement is checked by the test of 9.12.	P
8.2	Dimensions		-
	The dimensions shall be given in millimetres.		P
	The external dimensions: height, width and depth are nominal values and shall be indicated in the catalogue of the enclosure manufacturer.		P
	The projection of cable gland plates, removable covers and handles shall not be included in the external nominal dimensions, the dimensions of such shall be included in the manufacturer's documentation.		P
8.3	Mounting arrangements		-
8.3.1	Enclosure		-
	The means and location of the enclosure mounting shall be defined in the enclosure manufacturer's documentation.		P
8.3.2	Equipment mounting surfaces		-

Clause	Requirement - Test	Result - Remark	Verdict
	The location of the equipment mounting surfaces and their means of fixing shall be defined in the enclosure manufacturer's documentation.		P
8.4	Static loads		-
	The enclosure manufacturer shall specify, in the documentation, the maximum permissible loads in the enclosure and on its door.	Compliance is checked according to the test of 9.3.	P
8.5	Lifting and transport support		-
	Where required, enclosures shall be provided with the appropriate lifting devices or transport means.		N
	The correct location and installation of such devices or means and the thread size of lifting devices, if applicable, shall be given in the enclosure manufacturer's documentation or in the instructions on how the enclosure has to be handled.	Compliance is checked according to the test of 9.4.	N
8.6	Access to the interior of the enclosure		-
	Adequate access to the protected space shall be provided by means of a door(s) or removable cover(s). Access may only be achieved by the use of a key or tool.		N
8.7	Protective circuit		-
	Metallic enclosures shall ensure electrical continuity throughout either by the conductive structural parts of the enclosure or provisions for a separate protective conductor to earth or both. The enclosure manufacturer shall indicate in the technical documentation, if the enclosure itself fulfils the requirements or if and how separate protective conductors to the protective circuits of the installation shall be carried out.		N
	When a removable part of an enclosure is removed the protective circuit for the remainder of the enclosure shall not be interrupted.		N

Clause	Requirement - Test	Result - Remark	Verdict
	For lids, doors, removable covers and the like, the usual metal screwed connections and metal hinges may ensure continuity of the protective circuit provided no electrical equipment is attached to them. Where these are intended for mounting electrical equipment additional means shall be provided to ensure the continuity of the protective circuit.	Compliance is checked according to the test of 9.10.	P
	The enclosure manufacturer shall provide means to facilitate the connection of the external protective conductor by the final assembly manufacturer. The location and the designed I 2 t withstand capacity under electrical fault conditions of such means shall be indicated in the enclosure manufacturer's documentation.		N
8.8	Dielectric strength		-
	The enclosures constructed of an insulating material shall fulfil the dielectric test of 9.9.		P
8.9	Degree of protection (IK code)		-
	The enclosures shall fulfil the degree of protection against mechanical impact in accordance with IEC 62262. The degree of protection shall be indicated by the manufacturer.	Compliance is checked according to the test of 9.6.	P
8.10	Degree of protection (IP code)		-
	The degree of protection shall be in accordance with IEC 60529 and as defined by the enclosure manufacturer.	Compliance is checked according to the test of 9.7.	P
9	Type tests		-
	Tests according to this standard are type tests.		-
9.1	General conditions of tests		-
	The enclosures under test shall be mounted and installed as in normal use according to the enclosure manufacturer's instructions.		-
	Unless otherwise specified, the tests shall be carried out at an ambient temperature of $(20 \pm 5) ^\circ\text{C}$.		P

Clause	Requirement - Test	Result - Remark	Verdict
9.2	Marking		-
	Marking made by moulding or pressing shall not be submitted to this test.		P
	The test is made by rubbing the marking by hand for 15 s with a piece of cloth soaked in water and then for 15 s with a piece of cloth soaked with petroleum spirit.	After the test the marking shall be easily legible.	P
9.3	Static loads		-
	The enclosure fitted with all its required components to support the maximum permissible load is loaded with a weight of 1,25 times the maximum load as described in 8.4.		P
	The loads are arranged on the mounting plate or switchgear and controlgear supports and on the door evenly distributed as specified by the enclosure manufacturer.		P
	The loads are retained for 1 h in the closed position.		P
	For enclosures constructed of insulating material and metallic enclosures with parts (hinges, locks, etc.) of insulating material, this shall be carried out at 70 °C.		P
	The closed door is opened five times through 90°, resting at least 1 min in the open position.		P
	For enclosures constructed of insulating material and metallic enclosures with parts (hinges, locks, etc.) of insulating material, this part of the test may be carried out at ambient temperature external to the heating cabinet.		P
	After the test, with the test loads in place, the enclosure shall show no cracks or permanent distortions and during the test no deflections which could impair any of its characteristics.		P
9.4	Lifting		-
	This test only applies to enclosures with provisions for lifting.		P

Clause	Requirement - Test	Result - Remark	Verdict
	The enclosure is loaded as in 9.3 and with its door closed, is lifted with the specified lifting means and in the manner defined by the enclosure manufacturer.		P
	From the standstill position, the enclosure is raised up three times in a vertical plane returning to the standstill position.		P
	The enclosure is raised up and suspended for 30 min at a height of (1 ±0.1)m without any movement.		P
	After the test, with the test loads in place, the enclosure shall show no cracks or permanent distortions and during the test no deflections which could impair any of its characteristics.		P
9.5	Verification of axial loads of metal inserts		-
	This test only applies to the enclosures when threaded metal inserts are provided to retain the mounting plate or switchgear and controlgear supports in place.		P
	At the end of the test, the insert shall still be in its original position; any sign of movement is not acceptable.		P
	Cracks and splits in the material containing the insert are also not acceptable.		P
9.6	Verification of degree of protection against external mechanical impacts (IK code)		-
	Verification of the degree of protection against mechanical impacts shall be carried out in accordance with IEC 62262 by means of a test hammer as described in IEC 60068-2-75 suitable for the dimensions of the enclosure.		P
	The enclosure shall be fixed on a rigid support as for normal use.		P
	An impact energy in accordance with Table 3 shall be applied: <ul style="list-style-type: none"> - three times to each exposed surface in normal use whose largest dimension is not above 1 m; - five times to each exposed surface in normal use whose largest dimension is greater than 1 m. 		P

Clause	Requirement - Test	Result - Remark	Verdict
9.7	Verification of degree of protection (IP code)		-
9.7.1	Verification of degree of protection against access to hazardous parts and against the ingress of solid foreign objects indicated by first characteristic numeral		-
9.7.1.1	Verification of the protection against access to hazardous parts		-
	Subclauses 12.1 and 12.2 of IEC 60529 apply. The access probes shall not enter the protected space.		P
9.7.1.2	Verification of degree of protection against the ingress of solid foreign objects		-
	For IP2X, IP3X, IP4X enclosures, 13.2 and 13.3 of IEC 60529 apply.	JXF SERIES IP65, IK08	P
	For IP5X enclosures, 13.4, category 2 (without vacuum pump) and 13.5 (without vacuum pump) of IEC 60529 apply. Ingress of talcum powder into protected space is verified as follows: <ul style="list-style-type: none"> - Ingress of talcum powder is verified by using a watch glass installed at the centre of the base of the protected space of the enclosure in order to pick up the talcum powder entering the protected space during the test. After the test, talcum powder shall not form deposits of more than 1 g/m². - In practice the weight of the watch glass is measured before and at the end of the test and the difference between both measures is representative of the amount of the talcum powder which has entered the protected space. 		N
	For IP6X enclosures, 13.6 of IEC 60529 applies. No talcum powder shall be observable inside the enclosure at the end of the test.		N
9.7.2	Verification of degree of protection against ingress of water as indicated by second characteristic numeral		-

Clause	Requirement - Test	Result - Remark	Verdict
	Subclauses 14.1 and 14.2 of IEC 60529 apply.		-
	After the test, water shall not have ingressed into the protected space.		P
	Ingress of water is verified by the use of dry absorbent paper positioned to occupy the base area of each protected space.		P
	For doors or covers intended to accommodate equipment, a strip of paper, bent to form a 90° angle profile, is attached to the base of the declared protected space for that surface.		P
	The paper should project from the surface equal to the depth of the protected space or a maximum of 30 mm.		P
9.7.3	Verification of degree of protection against hazardous parts as indicated by additional letter		-
	Clause 15 of IEC 60529 applies.		-
	The access probe shall not touch the surface of the protected space.		P
9.8	Properties of insulating materials		-
9.8.1	Verification of thermal stability		-
	The test is carried out according to the method described in IEC 60068-2-2.		P
	Parts, which have no technical significance and are intended for decorative purposes only shall not be considered for the purpose of this test.		P
	The enclosure, mounted as for normal use, is subjected to a test in a heating cabinet with an atmosphere having the composition and pressure of the ambient air and ventilated by natural circulation. If the dimensions of the enclosure are inconsistent with those of the heating cabinet, the test may be carried out on a representative sample of the enclosure.		P

Clause	Requirement - Test	Result - Remark	Verdict
	The enclosure or sample is kept in the cabinet for seven days (168 h).		P
	The use of an electrically heated cabinet is recommended.		N
	Natural circulation may be provided by holes in the walls of the cabinet.		N
	After the treatment, the enclosure or sample is removed from the cabinet and kept at ambient temperature and a relative humidity of between 45 % and 55 % for at least four days (96 h).		P
	The enclosure or sample shall show no crack visible to normal or corrected vision without additional magnification nor shall the material have become sticky or greasy, this being judged as follows: With the forefinger wrapped in a dry piece of rough cloth, the sample is pressed with a force of 5 N.		N
9.8.2	Verification of resistance to heat		-
	Enclosures are subjected to a ball-pressure test by means of the apparatus described in Figure 1.		P
	If it is not possible to cut a piece of at least 2 mm thickness from the enclosure then up to four thinner pieces, taken from the enclosure, may be layered together to get a minimum thickness of the test specimen of 2,5 mm.		P
	The surface of the part to be tested is placed in a horizontal position and a steel ball 5 mm in diameter is pressed against the surface with a force of 20 N.		P
	The diameter of the impression caused by the ball is measured and shall not exceed 2 mm.		P
9.8.3	Verification of resistance to abnormal heat and to fire		
	Compliance is checked by tests in accordance with the principles of IEC 60695-2-10 and the details of IEC 60695-2-11. For a description of the test see clause 4 of IEC 60695-2-11. The apparatus to be used shall be as described in clause 5 of IEC 60695-2-11.		P

Clause	Requirement - Test	Result - Remark	Verdict
	If the dimensions of the enclosure are inconsistent with those of the test apparatus, the test shall be carried out on a sample. This sample shall be taken from an area of minimum thickness taken from the enclosure. In case of doubt, the test shall be repeated on two further samples.		P
	The sample is stored for 24 h in an atmosphere having a temperature between 15 °C and 35 °C and a relative humidity of between 35 % and 45 % before starting the test.		P
	The apparatus shall be placed in a substantially draught-free dark room, so that the flames occurring during the test are visible.		P
	Before starting the test, the thermocouple is calibrated in accordance with clause 6 of IEC 60695-2-10.		P
	During the test, the procedure given in clause 8 of IEC 60695-2-10 and clause 10 of IEC 60695-2-11 shall be followed.		P
	After each test, it is necessary to clean the tip of the glow wire of any residue of insulating material, for example by means of a brush.		P
	The temperature of the tip of the glow wire shall be as follows: <ul style="list-style-type: none"> - for parts intended to retain current-carrying parts in position: $(960 \pm 15) ^\circ\text{C}$; - for parts intended to be installed in hollow walls: $(850 \pm 15) ^\circ\text{C}$; - for all other parts, including parts not intended to retain current-carrying parts in position including the earth terminal and parts intended to be embedded in walls which are combustion-resistant: $(650 \pm 15) ^\circ\text{C}$. 		-
9.9	Verification of dielectric strength		-
	This test only applies to enclosures constructed of insulating material.		-
9.9.1	Preconditioning		-

Clause	Requirement - Test	Result - Remark	Verdict
	The enclosures are placed in a humidity cabinet containing air with relative humidity maintained at between 91 % and 95 %. The air temperature, where the enclosures are placed, is maintained at (40 ± 2) °C.		P
	The enclosures are kept in the cabinet for two days (48 h).		P
	In most cases, the enclosures may be brought to the specified temperature by keeping them at this temperature for at least 4 h before the humidity treatment. A relative humidity of between 91 % and 95 % can be obtained by placing in the cabinet a saturated solution of sodium sulphate (Na_2SO_4) or potassium nitrate (KNO_3) in water having a sufficiently large contact surface with the air.		P
	In order to achieve the specified conditions within the cabinet, it is necessary to ensure a constant circulation of air and, in general, to use a cabinet which is thermally insulated.		P
9.9.2	Enclosures without metal elements inside the protected space		-
	An r.m.s. voltage of substantially sine-wave form at a value according to 8.2.2.2 of IEC 60439-1 is applied for 1 min between two metal foils, one in contact with the external surface and the other inside the enclosure at the limit of the protected space.		N
9.9.3	Enclosures having metal elements inside the protected space		-
	All internal metallic parts are connected to a bar, and an r.m.s. voltage of substantially sine-wave form at a value according to 8.2.2.2 of IEC 60439-1 is applied for 1 min between a metal foil in contact with the external surface and the bar.		P
9.9.4	Results to be obtained		-
	The samples shall show no damage impairing their further use; no flashover or breakdown shall occur during the test.		P

Clause	Requirement - Test	Result - Remark	Verdict
9.10	Verification of the continuity of the protective circuit		-
	It shall be verified that the different exposed conductive parts of the enclosure are effectively connected to the earthing terminal or contact of the protective circuit and that the resistance of the circuit does not exceed 0.1Ω		P
9.11	Verification of resistance to weathering		-
	This test only applies to representative samples of enclosures intended to be installed outdoors.		N
	<p>Samples of external parts constructed of synthetic materials or metals that are entirely coated by a synthetic material shall be subjected to the following test:</p> <p>UV test according to ISO 4892-2 method A; cycles of 5 min of watering and 25 min of dry period with Xenon lamp providing a total test period of 500 h.</p> <p>The values of temperature and humidity used for the test are (65\pm3) °C and (65\pm5) % respectively, unless declared otherwise by the manufacturer.</p> <p>After the test, samples shall be removed from the test chamber.</p>		P
	<p>Compliance is checked by verification that the flexural strength (according to ISO 178) and Charpoy impact (according to ISO 179) of synthetic materials have 70 % minimum retention. For the test carried out in accordance with ISO 178, the surface of the sample exposed to UV shall be turned face down and the pressure applied to the non-exposed surface. For the test carried out in accordance with ISO 179, no grooves shall be cut into the sample and the impact shall be applied to the exposed surface. After the test, samples shall be subjected to the glow wire test of 9.8.3. Adherence of protective coating of metallic enclosures (according to ISO 2409) shall have 50 % minimum retention.</p>	<p>Samples shall not show cracks or deterioration without the use of magnification.</p>	P

Clause	Requirement - Test	Result - Remark	Verdict
9.12	Verification of resistance to corrosion		-
	Metallic enclosures and external metallic parts of insulating and combined enclosures shall be tested to verify that they ensure protection against corrosion.		P
9.12.1	Test procedure		-
	<p>Enclosures shall be subjected to the following test:</p> <p>a) Enclosures or metallic parts intended to be installed indoors and internal parts of enclosures intended to be installed outdoors</p> <ul style="list-style-type: none"> - six cycles of 24 h, damp heat cycling test according to test Db of IEC 60068-2-30 at 40 °C and relative humidity of 95 %; - two cycles of 24 h, salt mist test according to test Ka of IEC 60068-2-11 at a temperature of (35 ± 2) °C. <p>b) Enclosures or metallic parts intended to be installed outdoors</p> <ul style="list-style-type: none"> - 12 cycles of 24 h, damp heat cycling test according to test Db of IEC 60068-2-30 at 40 °C and relative humidity of 95 %; - 14 cycles of 24 h, salt mist test according to test Ka of IEC 60068-2-11 at a temperature of (35 ± 2) °C. 		P
9.12.2	Results to be obtained		-
	After the test, the enclosure or samples shall be washed in running tap water for 5 min, rinsed in distilled or dematerialized water then shaken or subjected to air blast to remove water droplets. The specimen under test shall then be stored under normal service conditions for 2 h.		P
	<p>Compliance is checked by visual inspection to ensure that</p> <ul style="list-style-type: none"> - there is no evidence of rust, cracking or other deterioration. However surface deterioration of the protective coating is allowed. In case of doubt, reference shall be made to ISO 4628-3 to verify that the samples conform to the specimen R11; 		P

Clause	Requirement - Test	Result - Remark	Verdict
	<ul style="list-style-type: none">- seals are not damaged;- doors, hinges, locks, fastenings and access means work without abnormal effort.		P
	It shall also be checked that the different exposed conductive parts of the enclosure are effectively connected to the protective circuit according to 9.10.		P

PRODUCT LABELING

CE Mark Label Specification



Specifications: Text is Black or white in color and is left justified. Labels are printed in indelible ink on permanent adhesive backing or silk-screened onto the EUT or shall be affixed at a conspicuous location on the EUT.

EUT PHOTOGRAPHS (EUT FRONT VIEW)



EN 62208:2011

Manufacturer/Approval Holder Declaration

The following identical model(s):

JXF SERIES

IP65, IK08

Belong to the tested device:

Product description: **WALL MOUNTING ENCLOSURE BOX**

No additional models were tested.

EC DECLARATION OF CONFORMITY

Council Directive 2014/35/EU on LVD Directive

**WENZHOU NEWSUPER ELECTRICAL CO., LTD
NO.178 JING 3 ROAD YUEQING ECONOMIC DEVELOPMENT ZONE YUEQING
WENZHOU ZHEJIANG 325600 CHINA**

DESCRIPTION OF TEST ITEM

WALL MOUNTING ENCLOSURE BOX

TYPE IDENTIFICATION

JXF SERIES IP65, IK08

**THE PRODUCT HAS BEEN ASSESSED BY THE APPLICATION ON THE FOLLOWING
DIRECTIVES:**

EN 62208 : 2011

(Place & Date of issue)

Company stamp and
Signature of Authorized Personnel

Test Report No.: 8609026

EN 62208:2011
