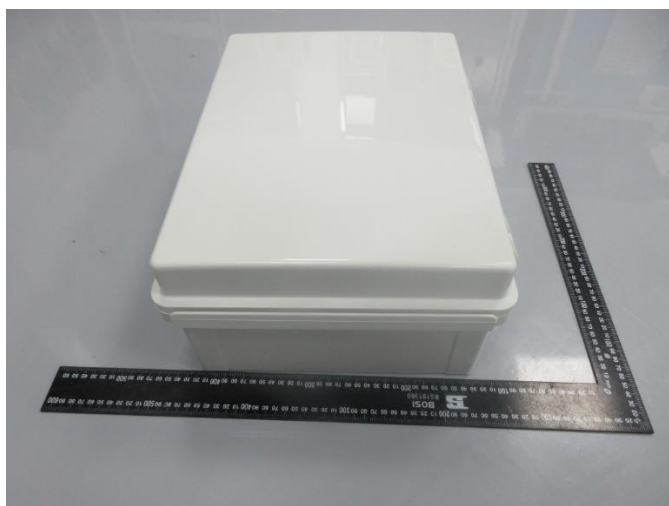


Prüfbericht-Nr.: <i>Test report no.:</i>	CN236LUG 001	Auftrags-Nr.: <i>Order no.:</i>	180258624	Seite 1 von 9 Page 1 of 9
Kunden-Referenz-Nr.: <i>Client reference no.:</i>	N/A	Auftragsdatum: <i>Order date:</i>	14-03-2023	
Auftraggeber: <i>Client:</i>	Zhejiang NHP Electrics Co., Ltd. / No.312 Wei 17th Road, Yueqing Economic Development Zone, Yueqing Zhejiang P.R. China			
Prüfgegenstand: <i>Test item:</i>	Plastic Electrical Sealing Box			
Bezeichnung / Typ-Nr.: <i>Identification / Type no.:</i>	NP			
Auftrags-Inhalt: <i>Order content:</i>	Type test			
Prüfgrundlage: <i>Test specification:</i>	IK10 Test IEC 62262:2002+A1:2021 EN 62262:2002+A1:2021			
Wareneingangsdatum: <i>Date of sample receipt:</i>	14-03-2023			
Prüfmuster-Nr.: <i>Test sample no.:</i>	A003432693			
Prüfzeitraum: <i>Testing period:</i>	14-03-2023~24-03-2023			
Ort der Prüfung: <i>Place of testing:</i>	TÜV Rheinland / CCIC (Ningbo) Co., Ltd.			
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland / CCIC (Ningbo) Co., Ltd.			
Prüfergebnis*: <i>Test result*:</i>	Pass			
geprüft von: <i>tested by:</i>	<i>Mario Duan</i>	genehmigt von: <i>authorized by:</i>	<i>Jie zheng</i>	
Datum: <i>Date:</i>	2023-03-31	Ausstelldatum: <i>Issue date:</i>	2023-03-31	
Stellung / Position:	Project Engineer	Stellung / Position:	Reviewer	
Sonstiges / Other	This report is issued for Type test of Plastic Electrical Sealing Box.			
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>	Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>			
<p>* Legende: P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet * Legend: P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested</p>				
<p>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i></p>				

v05

TEST REPORT
IEC 62262
Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code)

Report reference No.: CN236LUG 001

Tested by (+ signature).....: See cover page

Approved by (+ signature): See cover page

Date of issue.....: See cover page

Content: See cover page

Testing Laboratory

Name: TÜV Rheinland / CCIC (Ningbo) Co., Ltd.

Address.....: 3F, building C13, R&D Park, No.32 Lane 299 Guanghua Road
National Hi-Tech Zone, Ningbo 315048, P.R. China

Testing location.....: As above

Client

Applicant's name: Zhejiang NHP Electrics Co., Ltd.

Address.....: No.312 Wei 17th Road, Yueqing Economic Development Zone,
Yueqing Zhejiang P.R. China

Test specification

Standard IEC 62262:2002+A1:2021

Test procedure.....: Type test

Non-standard test method.....: N/A

Test Report Form No.: TRF_IEC 62262_2021Edition 1.0

TRF Originator: TÜV Rheinland

Master TRF: Dated 2021-11

Type of test object: Plastic Electrical Sealing Box

Trademark: N/A

Manufacturer..... Same as applicant

Model/type reference: NP

Rating: N/A

Copy of marking plate:

N/A

Summary of testing:

No deviation exists between EN 62262:2002+A1:2021 and IEC 62262:2002+A1:2021, the TRF of IEC 62262_2021 Edition 1.0 was used in this report.

Appendix 1: Photo

Possible test case verdicts:

- test case does not apply to the test object : N/A
- test object does meet the requirement : P(ass)
- test object does not meet the requirement : F(ail)

Testing:

- Date of receipt of test item : See cover page
- Date (s) of performance of tests : See cover page

General remarks:

“(see remark #)” refers to a remark appended to the report.

“(see appended table)” refers to a table appended to the report.

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 testing laboratory.

The decision rule for statements of conformity in this test report is based on the “Zero Guard Band Rule” and “Simple Acceptance” in accordance with ILAC G8:2019 and IEC Guide 115:2021, unless otherwise specified in the applied standard mentioned on Page 1 of this report or requested by the customer. This means that measurement uncertainty is not taken in account and hence also not declared in the test report.

Name and address of factory (ies): Same as applicant

Description of products:
Plastic Electrical Sealing Box,IK10.

IEC 62262			
Cl.	Requirement – Test	Result - Remark	Verdict
4	Designations		—
4.1	Arrangement of the IK code		P
	Codes letters and Characteristic group numeral		P
4.2	Characteristic group numerals of the IK code and their meanings		P
	Each characteristic group numeral represents an impact energy value as shown in table 1.		P
	IK code :	Declared <u>IK10</u>	P
	impact energy(J) :	20J	P
4.3	Application of the IK code		P
	the degree of protection applies to the complete enclosure		P
	If parts of the enclosure have differing degrees of protection, the latter shall be indicated separately		N/A
4.4	Marking		N/T
	In cases where the relevant product committee decides that the marking of the IK-code shall be required, the marking requirements shall be detailed in the relevant product standard.		N/T
5	General requirements for tests		P
6	Test to verify the protection against mechanical impacts		—
6.1	The test specified in this standard is a type test.		P
6.2	Mechanical impacts: blows shall be applied to the enclosure to be tested. The devices to be used for this test are described in clause 7.		P
6.3	During the test the enclosure shall be mounted on a rigid support, according to the manufacturer's instructions for use		P
6.4	The number of impacts shall be five on each exposed face unless otherwise specified in the relevant product standard.		P
	In no case shall more than three impacts be applied in the surroundings of the same point of the enclosure.		P
	The relevant product standard shall specify the points of application of impacts.		P
6.5	Test evaluation		—
	The relevant product standard shall specify the criteria upon which the acceptance or rejection of the enclosure is to be based, particularly		P
	– admissible damages,		P
	– verification criteria relative to the continuity of the safety and reliability of the equipment		P
	In the absence of these criteria, at least the following acceptance criterion shall apply:		—

IEC 62262			
Cl.	Requirement – Test	Result - Remark	Verdict
	– No damage is accepted that impairs the specified IP code.		P
7	Test apparatus		—
	The test shall be done by using one of the test apparatus described in IEC 60068-2-75.		P
(5)	Test Eha: Pendulum hammer		P
(6)	Test Ehb: Spring hammer		N/A
(7)	Test Ehc: Vertical hammer		N/A
	The relevant product standard shall specify which types of test apparatus are appropriate		P

Appendix 1: Photo

