

ELECTROTECHNICAL TESTING INSTITUTE

Pod Lisem 129 171 02 Praha 8 - Troja No. of pages: 5 No. of annexes/No. of an. pages: 1/9

Ref.: Bz/Sa

No. of the Test Report: 205569-01/01

Issued: 29.3.2013



TEST REPORT

Name of product:

Intercom

Type of product:

2N® Helios IP Force 9151101CW

Ratings:

IP 69K

Serial number:

54-0542-0613

Manufacturer:

2N TELEKOMUNIKACE a. s.

Modřanská 621/72, 143 01 Praha 4, Czech Republic

Production site:

dtto manufacturer

EZÚ product coding system:

105001

Ordering firm:

2N TELEKOMUNIKACE a. s.

Modřanská 621/72, 143 01 Praha 4, Czech Republic

Number of tested samples:

Samples submitted on:

7.2.2013

Location of testing:

EZÚ

Tested from

7.2.2013 through 8.2.2013

Other data:

The product was tested

EN 60529/A1:2000,

according to:

DIN 40 050-9:1993

The test results contained in this report refer to the tested items only. The values presented in this report were measured with the accuracy specified in the testing regulations. All measuring instruments used are properly traceable

This Report shall not be reproduced except as a whole.

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Approved by: J. Bažant

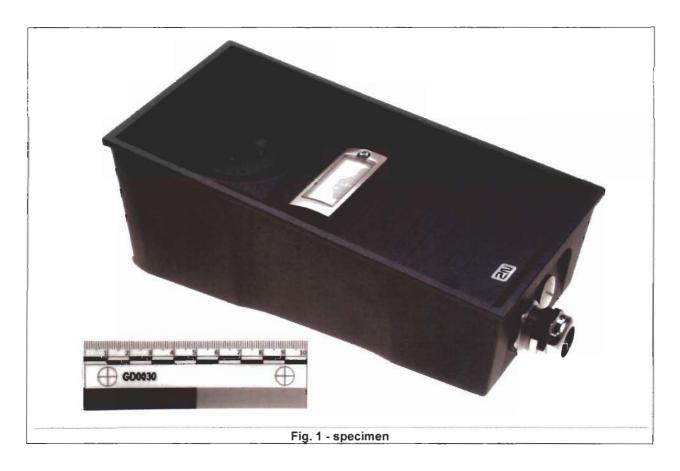
Testing laboratory technical manager

Fax: +420 284680070 E-mail: testing@ezu.cz http://www.ezu.cz

1. Specimen description

Intercom 2N® Helios IP Force 9151101CW was provided for testing.

For purpose of testing, the specimen was fixed to an artificial wall.





2. Testing

2.1. Tests of protection provided by enclosures

according to EN 60529/A1:2000

2.1.1. Test of protection against penetration of dust - IP 6X

according to EN 60529/A1:2000, cl. 13.4 and 13.6

Test apparatus:

dust chamber VST 1150, inv. No. 834490

Test parameters:

The specimen was tested in an operating position.

dust filling of the chamber: talc

temperature / relative humidity during the test: 55 °C / 30 %

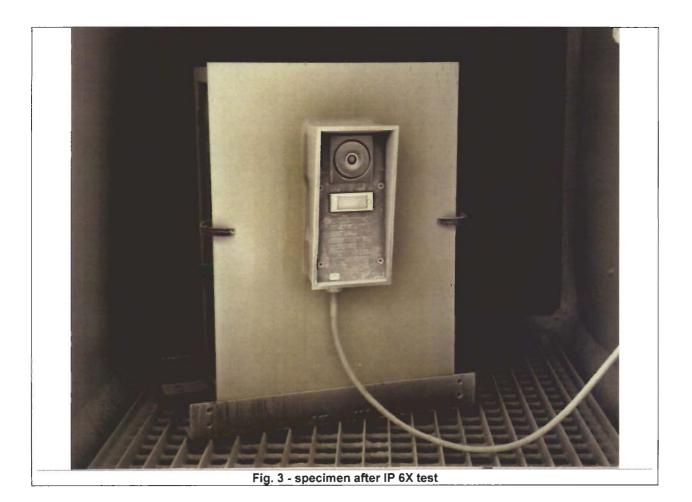
underpressure outlet: via bushing

underpressure: 2 kPa duration of test: 8 h

Findings:

During the test, no dust penetrated into the specimen.

passed



compiled by: J. Šašek

2.1.2. Test of protection against high-pressure water cleaning / steam flow - IP X9K according to DIN 40 050-9:1993

The test result was taken from the Test Report No. SW-VZK-13-498 of SWELL, spol. s. r. o. (see Annex No. 1 of this Test Report).

Test parameters:

water spray angles: 0°, 30°, 60° and 90° water flow rate: 14÷16 l·min⁻¹

water pressure: approx. 8000÷10000 kPa

water temperature: (80 ±5) °C

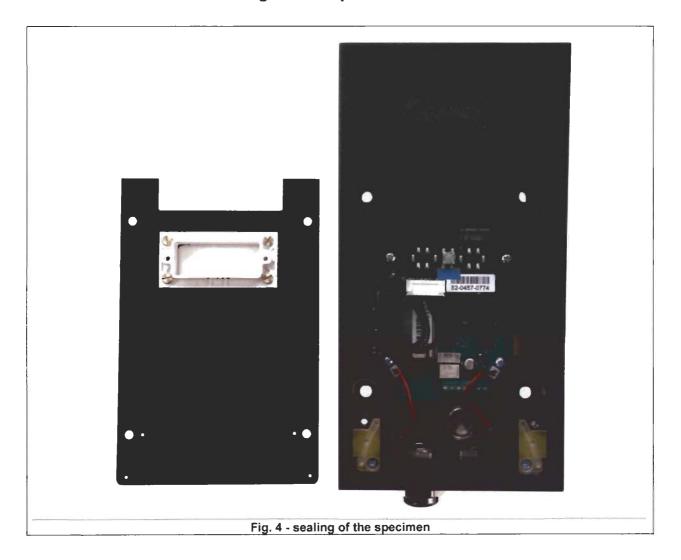
duration of test: 30 seconds by position while the test specimen is rotating (5 ±1 rev/min)

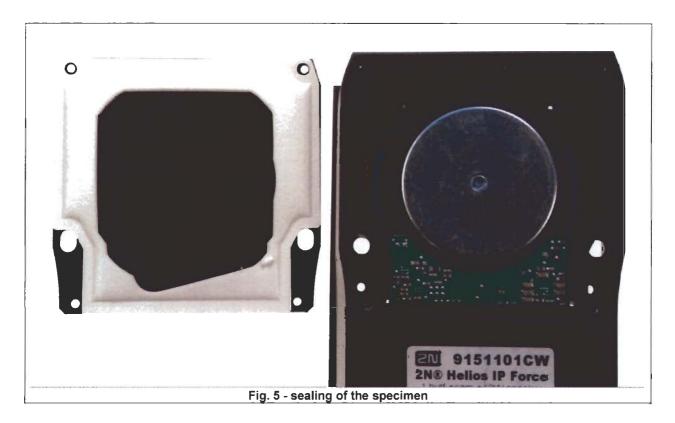
Findings:

During the test, no harmful amount of water penetrated into the specimen.

passed

3. Photodocumentation - design of the specimen





4. Test result

The submitted specimen - intercom 2N® Helios IP Force 9151101CW satisfies conditions for degree of protection provided by enclosures IP 69K according to EN 60529/A1:2000 and DIN 40 050-9:1993.

Tested by: J. Šašek