TEST REPORT

Name of product: Intercom
Type of product: 2N® Helios Uni 9153102,
2N® Helios Uni 9153101,
2N® Helios IP Uni 9153201,
2N® Helios IP Uni 9153202
Ratings: IP 54
Serial number: 54-0501-0428
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: 1
Samples submitted on: 17.12.2012
Location of testing: EZÚ
Other data: Type representative 9153102 was tested.
The product was tested according to: EN 60529/A1:2000

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.

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1. Specimen description

Intercom 2N® Helios Uni 9153102 was provided for testing.
For purpose of testing, the specimen is fixed to an artificial wall.

Fig. 1 - specimen

Fig. 2 - label of the specimen
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 5X
according to EN 60529/A1:2000, cl. 13.4 and 13.5

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 %
derunderpressure: no underpressure
duration of test: 8 h

Findings:
During the test, no harmful amount of dust penetrated into the specimen. passed

2.1.2. Test of protection against splashing water - IP X4
according to EN 60529/A1:2000, cl. 14.2, 14.2.4 and 14.3

Test apparatus:
spray nozzle, inv. No. 04729
stopwatch SECCO, cal. No. N700477

Test parameters:
The specimen was tested in an operating position.
testing; see Fig. 3
spray angle: up to 180° from vertical
water flow rate: 10 l·min⁻¹
duration of test: 5 min

Findings:
During the test, no harmful amount of water penetrated into the specimen. passed
3. Photodocumentation - design of the specimen

Fig. 3 - IP X4 testing

Fig. 4 - sealing of the specimen
4. Test result

The submitted specimen - intercom 2N® Helios Uni 9153102 satisfies conditions for degree of protection provided by enclosures IP 54 according to EN 60529/A1:2000.

Note: Intercom 2N® Helios Uni 9153101, 2N® Helios IP Uni 9153202 and 2N® Helios IP Uni 9153201 have identical enclosure (or reduced number of cover elements). Therefore, test results in this Test Report also regard to these types.

Tested by: J. Šašek