



Test report: 1508

29-06-2009

Page 1 of 7

TI/0600-I60529

# TEST REPORT

NO.1508

Project code: TI/0600-I60529

IP44 Test Report For Capacitive Distribution Panel (According to annex A) Manufactured By Parto Khazan Co. According to IEC 60529 (Degree Of Protection)

Karaj, 29-06-2009

By Order Of PKC, Tehran, Iran

No. of pages

Issue date

7

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This test report does not include an assessment of the manufacturer's production. Conformity of his production with the specimen tested by E.P.I.L is not the responsibillity of E.P.I.L

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Test report: 1508 29-06-2009 Page 2 of 7 TI/0600-I60529

## **CONTENTS**

		Page
1	General Information	3
1.1	Product Information	3
1.2	Client Information	3
1.3	Test Performed	3
1.4	Results Of Tests	3
2	Performance And Results Of Tests	4
2.1	Verification Of Degree Of Protection( IP4X )	4
2.2	Verification Of Degree Of Protection( IPX4 )	5
Figure		6
Annex		7





Test report: 1508 29-06-2009 Page 3 of 7 TI/0600-I60529

#### **GENERAL INFORMATION** 1.

#### 1.1 **Product Information**

Equipment under test

: Capacitive Distribution Panel

S.N.: 88030009

Rated Current

: 630 A

Rated Voltage

: 400 V

Normative document

: IEC 60529

## 1.2 Client (Manufacturer) Information

**Applicant** 

: PKC

Contact person

: Mr. Abdi

Telephone

: +98 21 88672701

Fax

: +98 21 88882959

:3rd Unit, No. 28, Padidar St., Afrigha St., Tehran,

Adress

#### 1.3 **Tests Performed**

IP4X IPX4

#### Results Of Tests

Passed

: See pages 4 and 5





Test report: 1508 29-06-2009 Page 4 of 7 TI/0600-I60529

: Capacitive Distribution Panel

### 2. PERFORMANCE AND RESULTS OF TESTS

# 2.1 IP4X, Test For Protection Against Solid Foreign

#### 2.1.1 Test data

Equipment Under Test

S.N.: 88030009

Location : E.P.I.L.

Date : 28-06-2009

Engineer of EPIL : Mr. Dezfulian

Engineer of PKC : Mr. Abdi
Normative document : IEC 60529

#### 2.1.2 Ambient conditions

Ambient Temperature : 25 °C
Relative Humidity : 32 %
Atmospheric Pressure : 86.5 kPa

#### 2.1.3 Instrument used for the test

Regid steel rod 0.95 – 1.05 mm diameter

#### 2.1.4 Procedure of test

The object probe is pushed against any openings of the enclosure with the force 1±10% N

### 2.1.5 Acceptance conditions of test

The protection is satisfactory if diameter of the probe does not pass through any opening.

#### 2.1.6 Result of test

The test was done according to IEC60529 and it passed the test.

✓ PASSED





Test report: 1508 29-06-2009 Page 5 of 7 TI/0600-I60529

## 2.2 IPX4, Test For Protection Against Water

#### 2.2.1 Test data

Equipment Under Test

: Capacitive Distribution Panel

S.N.: 88030009

Location

: E.P.I.L..

Date

: 08-03-2009

Engineer of E.P.I.L

: Mr. Dezfulian

Engineer of PKC

: Mr. Abdi

Normative document

: IEC 60529

### 2.2.2 Ambient conditions

**Ambient Temperature** 

: 24 °C

Relative Humidity

: 35%

Atmospheric Pressure

: 87.3 kPa

#### 2.2.3 Instrument used for test

Spray Nozzle

#### 2.2.4 Procedure of test

i. The enclosure under test is placed in its normal operating position under the spraying with spray nozzle (according to IEC 60529).

ii.The duration of the test was 1 min/m² at least 5 min (water presure : between 50 kPa and 150 kPa according to IEC 60529).

### 2.2.5 Acceptance conditions of test

After testing the EUT shall be inspected for ingress of water according to conditions that are specified in IEC 60529.

#### 2.2.6 Result of test

The test was done according to IEC 60529 clause 14.2.4, and it passed the test.

Note: Tickness of gaskates of Panel increased for this test (According to Figure 2)

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Test report: 1508

29-06-2009

Page 6 of 7

TI/0600-I60529

# Figures:



Figure 1; EUT under IPX4 test



Figure 2; Tickness of Gaskates of EUT





Test report: 1508

29-06-2009

Page 7 of 7

TI/0600-I60529

### Annex A:

