

TESTLA

Elektrik Laboratuvarları Tic. Ltd. Şti.

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AB-0386-T

2006.05.03/00

30.06.2020

TEST REPORT

GMS PANO ELEKTRİK SAN. ve TİC. A.S.

Client Name/Address Beylikdüzü O.S.B. Bakır ve Pirinç San. Sit. Leylak Cad. 1.Pafta 156. Ada

1. Parsel No: 4 Beylikdüzü / İSTANBUL

Name and Identity of Test

Item

DT250 IP66 Test Panel

Order No. 2006.05 Sample Acceptance Date 16.06.2020

Num. Of Pages of The

Report

9 + 1 pages of annexes

10 pages in total

Test Date(s)

24.06.2020-25.06.2020

IEC 62208: 16.04.2014

Test Standard(s)
Rating(s)

IP66

Clause: 9.8

Detail(s) is/are given at the page 3.

Test Result(s) POSITIVE / Details, are given on the following pages which are part of this report.

Remarks

TESTLA Elektrik Laboratuvarları accredited by TÜRKAK under registration number AB-0386-T for TS EN ISO/TS EN 17025:2017 as test laboratory.

Turkish Accreditation Agency (TURKAK) is a signatory to the European co-operation for Accreditation (EA) Multilateral Agreement (MLA) and to the International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Arrangement (MRA) for the recognition of test reports.

The test and/or measurement results, the uncertainties (if applicable) with confidence probability and test methods are given on the following pages which are part of this report.

Seal

Date

Person in Charge of Test

Approval Date

testla 5

30.06.2020

Mehmet ŞUMNU

Caner EREN
Laboratuvar Müdürü

Laboratory Manager

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1. Participants of Tests

Sequence No.	Name, Last Name	Position	Company
1.	Caner Eren	Head of Laboratory	
2.	Mehmet Şumnu	Laboratory Chief / Test Personnel	TESTLA
3.	Mehmet Kalyoncu	Test Personnel	TESTLA
4.	Selçuk Aygün	Technical Reporting Supervisor	

2. Performed Tests

Sequence No.	Test name	IEC 62208 Clause	Result
1.	Degree of protection (IP66)	9.8	P

The test details are given in the following pages (Chapter 5).

3. General Ambient Conditions

Ambient temperature (°C)	Ambient Humidity (RH%)	Atmospheric pressure (mbar)
26,7-28,3	50-51	999-1001

Laboratory Indoor ambient conditions are climatically controlled and registered. Special ambient conditions are specified separately in relevant test.

4. Rated Values of Test Item

Brand	GMS PANO
Туре	DT250
Degree of protection	IP66





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5. Test Result

Explanations on the presentation and reporting of results.

In line with customer requests,

Tests according to IEC 62208 standards were shown as follows in the table in the column of the test standard, as "IEC 62208"

IEC 62208				
Clause	Clause Required-Requirement Measured-Observed Result			
			_	

In this table,

1. Column: Clause

The clause number of the standard specified in the top line. (The clauses of the test standard cited to the other standards are specified under the Requirement-Necessity section-column)

2. Column: Required -Requirement

Structural requirements-conditions-guidelines for the described tests to determine the suitability of the sample described in the relevant standard clause and the property defined in the relevant standard clause of this sample.

3. Column: Measured-Observed

The results of measurements and observations (if any, are made in the NOTES section of this section and / or in the last-bottom section of the relevant test page, if the customer requests, technical or other reasons are omitted)

4. Column: Result

Display of decisions in Possible Tests Results:

Non-applicable for the sample
 Sample meets the requirements
 Sample does not meet the requirements
 Given information and topics
 NA (Not Apply)
 (Pass) (if any) *
 (Fail) (if any) *
 Out of Assessment

It is signed as above.

(*) Situations in which the "passed" / "failed" evaluation can not be made with regard to the tests made:

- This report applies only to samples for which tests have been carried out.
- Tests marked in this test report (#) are not within the scope of accreditation obtained from TÜRKAK.
- Since the test sample was provided by the customer, the contribution resulting from sampling was not included in the measurement uncertainty. The test sample was tested as received.
- Once a declaration of conformity (appropriate or non-compliant) is given regarding the test results, defined rule is used if a rule is defined in the legislation, standard, specification, and if not, our laboratory uses the wrong acceptance (consumer rule) rule. When the uncertainty of measurement affects the upper limit, the uncertainty of measurement (k= 2 within the 95% confidence interval) is added to the test result and subtracted when the lower limit affects the conformity assessment.



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IEC 62208

Clause	Required-Requirement	Measured-Observed	Result	١
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9.8	Degree of protection (IP code)		
9.8.1.2	Degree of protection against the ingress of solid foreign ob	jects	
	For IP 6X enclosures, 13.6 of IEC 60529:1989 apply. No talcuminside the enclosure at the end of the test.	powder shall be observable	
	IEC 60529 Clause 11- General requirements for tests		
	IEC 60529 Clause 11.1- Atmospheric conditions for water or	r dust tests	
	Unless otherwise specified in the relevant product standard, Temperature range: 15 °C to 35 °C Relative humidity: 25% to 75% Air pressure: 860 mbar to 1060 mbar	Temperature= 26,7 °C Relative humidity= 51 RH% Air pressure= 1001 mbar	
	IEC 60529 Clause 13.4- Dust test for first characteristic num	neral 6	
	Category 1 enclosures		
	The enclosure under test is supported inside the test chamber and the pressure inside the enclosure is maintained below the surrounding atmospheric pressure by a vacuum pump. The suction connection shall be made to a hole specially provided for this test. If not otherwise specified in the relevant product standard; this hole shall be in the vicinity of the vulnerable parts.		
	The object of the test is to draw into the enclosure, by means of depression, a volume of air 80 times the volume of the sample enclosure tested without exceeding the extraction rate of 60 volumes per hour.	Enclosure Volume= 0,05625 m³ Vacuumed volume= 4,5 V	
	In no event shall the depression exceed 2 kPa (20 mbar) on the manometer shown in figure 2.		
	If an extraction rate of 40 to 60 volumes per hour is obtained the duration of the test is 2 h.	Duration of test= 120 min	
	If, with a maximum depression of 2 kPa (20 mbar), the extraction rate is less than 40 volumes per hour, the test is continued until 80 volumes have been drawn through, or a period of 8 h has elapsed.		NA
_	IEC 60529 Clause 13.6.2- Acceptance conditions for first ch	aracteristic numeral 6	
	The protection is satisfactory if no deposit of dust is observable inside the enclosure at the end of the test.	No dust ingress	Р

Notes:





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IEC 62208

Clause	Required-Requirement	Measured-Observed	Result
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9.8.2 Degree of protection against ingress of water as indicated by second characteristic numeral EC 60529 Clause 14.2 rests for protection against water indicated by the second characteristic numeral EC 60529 Clause 14.2- Test conditions During the tests for IPXI to IPX6 the water temperature should not differ by more than 5 K from the temperature of the specimen under test.				
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absorbent paper, equal to or greater than the size of the aperture, is positioned on the surface of the protected space in its immediate vicinity.				
Immediately after the test, all indicator papers shall still be dry. Yes		absorbent paper, equal to or greater than the size of the aperture, is positioned on the surface of the protected space in its immediate vicinity.		
		Immediately after the test, all indicator papers shall still be dry.	Yes	P

Notes:



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6. Photograph of The Test Sample

Front view



Inside view



Left Side View



Right Side View





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Lock Mechanism





Hinge



Insulation gasket







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7. Test Assembly and Test Item Photographs













8. List of Annexes

- 1 page technical document.

END OF REPORT

