



TEST REPORT

Test Report No: QVC/TR/20250825/001

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Issue Date: 25/08/2025

ULR No:-	TC910625000000175F		
Applicant Name & Address:-	S.K. Instrument Cabinet Group no. 8/B ,Room No. 197/2929, Amar Sahyog CHS LTD. Near Old Post Office Vikroli - 400083		
Test Item:-	ABS Junction Box (50 × 52 × 35)mm		
Identification:-	Sample ID – SK 553		
Discipline:-	Electrical	Group:-	Environmental Test Facility
Job order no:-	QVC/SAMPLE/250813/001	Date of receipt:-	13/08/2025
Serial no:-	-----		
Testing Laboratory Name & Address:	QVC Certification Services Pvt. Ltd. 2-B, Civil Lines, Yukti business centre, Jail Road, Ambala City-134003, Haryana, India.		
Test specification:	IEC 60529:2013; IP 65 & IP 66 Test Specifications		
Test Result/ Statement of conformity:	The test item passed the IP 65 & IP 66 test as per test specification(s).		
Other Aspects:-	The EUT is tested in the condition, it is received by the laboratory		
Note:- This test report relates to the submitted test sample and list of documents attached. Without permission of the testing laboratory this test report is not permitted to be duplicated in extract.			

Tested by:	Reviewed by:	Approved by / Authorized Signatory:	Issued by:
			
Vikram Singh (Testing Engineer)	Vikas Kaushal (Technical Manager)	Amandeep Singh (Lab Head)	Sidharth Sharma (In-Charge CSC)
Date: 25/08/2025	Date: 25/08/2025	Date: 25/08/2025	Date: 25/08/2025



QVC Certification Services Pvt. Ltd.

Corporate & Head Office:

2B, Civil Lines, Yukti Business Centre, Jail Road, Ambala City – 134003, Haryana India
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Degrees of Protection provided by Enclosures
(IP Codes)

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Total number of pages: 07

Testing Location: ☐ Onsite ☒ At Lab

Testing Location Address: **QVC Certification Services Pvt. Ltd.**
2-B, Civil Lines, Yukti business centre, Jail Road,
Ambala City-134003, Haryana, India.

Manufacturer 's Name: **S.K. Instrument Cabinet**

Manufacturer's Address: Group no. 8/B ,Room No. 197/2929, Amar Sahyog CHS LTD. Near Old Post
Office Vikroli - 400083

Test specification:-

Standard: IEC 60529:2013, IP 65 & IP 66 Test Specifications

Test procedure: Compliance Report

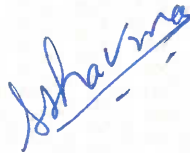
Non-standard test method: N/A

Test item description: ABS Junction Box
(50 × 52 × 35)mm

Trade Mark: Nil

Model/Type reference: Sample ID – SK 553

Ratings: IP 65 & IP 66 (As Claimed by Customer)

Tested by:	Reviewed by:	Approved by / Authorized Signatory:	Issued by:
			
Vikram Singh (Testing Engineer)	Vikas Kaushal (Technical Manager)	Amandeep Singh (Lab Head)	Sidharth Sharma (In-Charge CSC)
Date: 25/08/2025	Date: 25/08/2025	Date: 25/08/2025	Date: 25/08/2025

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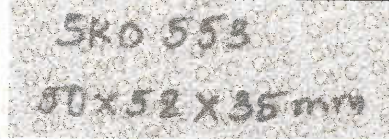
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Copy of Marking plate/label:-



TEST ITEM PARTICULARS.....:

Sample Received Condition	Physical condition-Good
Classification of installation and use	As per Manufacturer's instructions
Dimension of the Equipment(L x B x H)mm	52 x 50 x 35
Weight of the Equipment	0.040kg

Table – List of Attachments

Attachments	Attachment description	No of pages in attachment
Attachment-1	Photo-Document	01 (Page No. 7)

General remarks:

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 issuing testing laboratory.

The laboratory is responsible for all the information provided in this Test Report, except for the information provided by the customer. The laboratory claims no responsibility for validity of test results against information supplied by the customer.

The Applicant/Manufacturer address, technical ratings, Product description, Model no. /Type Reference and Serial no. have been provided by customer in Service request, product label, technical specifications or instruction manual.

Possible test case verdicts:

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

Testing : See Below

Date of receipt of test item : 13/08/2025

Date(s) of performance of tests : 16/08/2025 to 18/08/2025

Laboratory conditions: See Below

Ambient Temperature: 15 to 35 °C

Ambient Humidity: 45 to 75 % Rh

Atmospheric Pressure: 976.3hpa

General Product Information:- (As Provided by customer)

The Equipment Under Test (EUT) is a ABS Junction Box with dimensions Length: 52mm, Width: 50mm, Height: 35mm.



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LIST OF INSTRUMENTS USED IN TESTING:

S. No.	Instrument Name	Range & L.C
1.	Dust Chamber (6X)	2kg/m ³ , Talcum Powder, Conforms to IEC 60529:2013
2.	Water jet hose nozzle (X5) (Jet Nozzle Dia: 6.3mm)	Water delivery rate: 12.5 L/min
3.	Water jet hose nozzle (X6) (Jet Nozzle Dia: 12.5mm)	Water delivery rate: 100 L/min
4.	Measuring Scale	Range: 0 to 300mm
5.	Test Probe with Force Gauge	Test Probe Diameter: 1mm & Length: 100mm Force Applied: 1N

Additional information(s):-

- Following information is provided by the customer:

1. Test Specifications: IEC 60529:2013(IP 65 & IP 66 test specifications).
2. Sample ID of the product – SK 553
3. The GA drawing of the EUT is appended in this test report as Annexure-1.



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Clause	Requirement-Test	Result	Verdict
12	Test for protection against access to hazardous parts indicated by the first characteristic numeral.	Tested for IP6X (Protection against hazardous live parts)	P
12.1	Access probes to test the protection of person against access to hazardous parts as per table 6 of IEC 60529:2013	Complies	P
12.2	The access probe is pushed or inserted through any openings of the enclosure with the force specified in table 6 of IEC 60529:2013	Tested with 1N force, for IP6X. Probe (1mm dia & 100mm length) No opening in Enclosure	P
12.3	The protection is satisfactory, if adequate clearance is kept between the access probe and hazardous parts.	The full diameter of access probe doesn't penetrate through the EUT. Moreover no openings which could give access to the test probe are found in the EUT.	P
13	Tests for protection against solid foreign objects indicated by the first characteristic numeral.	Tested for IP6X (Tested for protection against solid foreign objects)	P
13.1	Test means and the main test conditions as per table 7 of IEC 60529:2013	Talcum powder is used which is pass through a square meshed sieve the nominal wire dia of 50µm & nominal width of a gap between wire 75 µm. Dust particle size: < 75 µm	P
13.2	The object probe is pushed against any openings of the enclosure with the force specified in table 7.		N/A
13.3	Acceptance Criteria of Numerals 1, 2, 3, 4: Protection is satisfactory if the full diameter of the probe specified in table 7 does not pass through any opening.		N/A
13.4	Dust test for first characteristic numeral 5 & 6	Dust test is performed as per first numeral 6 (IP6X)	P
13.5	Special conditions for first characteristic numeral 5		N/A
13.5.1	Test condition for first characteristic numeral 5		N/A
13.5.2	Acceptance conditions for first characteristic numeral 5: The protection is found satisfactorily if, on inspection, talcum powder has not accumulated in a quantity or location such that, as with any other kind of dust, it could interfere with the correct operation of the equipment or impair safety.		N/A

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TC-9106

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Clause	Requirement-Test	Result	Verdict
13.6	Special Conditions for first characteristic numeral 6		P
13.6.1	Test condition for first characteristic numeral 6	Enclosure Category 1, Test duration: 2hrs, Extraction Rate: 40 to 60 Volume/hr Maximum Depression: 2 kPa	P
13.6.2	Acceptance Conditions for first numeral 6: The protection is satisfactory, if no dust is observable inside the enclosure after the test	No dust particle or traces are found inside the EUT after the test.	P
14	Test for protection against water indicated by the second characteristic numeral	Tested for IPX5 and IPX6 (Water spray with jet hose nozzle)	P
14.1	Test means and the main test conditions as per table 8 of IEC 60529:2013	See below	P
14.2	Test Conditions	See Cl. 14.2.5 & Cl. 14.2.6	
14.2.1	Drip box, Enclosure on turntable		N/A
14.2.2	Drip box, Enclosure in 4 fixed positions of 15' tilt		N/A
14.2.3	Oscillating tube or spray nozzle, 60° from vertical		N/A
14.2.4	Oscillating tube or spray nozzle, 180° from vertical		N/A
14.2.5	6.3-mm nozzle, tested with a spraying nozzle, distance 2.5 m to 3 m, water flow rate 12.5 L/min	Tested with water jet hose nozzle with water delivery rate 12.5 L/min. Test Duration: 3 min Jet Nozzle Dia: 6.3mm	P
14.2.6	12.5 -mm nozzle, tested with a spraying nozzle, distance 2.5 m to 3 m, water flow rate 100 L/min	Tested with water jet hose nozzle with water delivery rate 100 L/min. Test Duration: 3 min Jet Nozzle Dia: 12.5mm	P
14.2.7	Temporary immersion between 0.15m and 1m		N/A
14.2.8	Continuous immersion subject to agreement		N/A
14.3	After testing in accordance with requirements of 14.2.1 to 14.2.8, the enclosure shall be inspected for ingress of water.	No ingress of water is found inside the EUT after the test.	P

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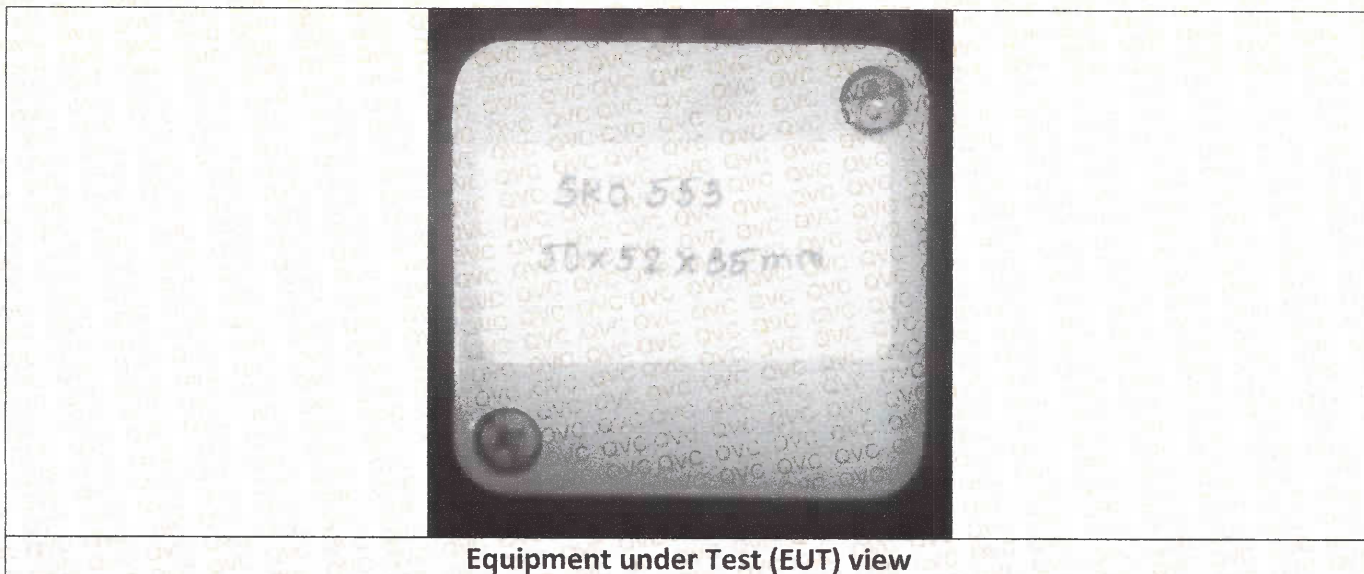
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Attachment No.1:

PHOTOGRAPHS:



Equipment under Test (EUT) view

*** END OF TEST REPORT***



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