

TEST REPORT



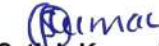
Test Report Number : CPRINOAHV25T0686 Date: 16 October 2025

Name and Address of the Customer : M/s. Powertech Electrical & Automation LLP
Plot No. 109, Gali No. 5, Krishna Industrial Area
Sector – 25, Ballabgarh, Faridabad – 121004 (Haryana).

Name and Address of the Manufacturer : M/s. Powertech Electrical & Automation LLP
Plot No. 109, Gali No. 5, Krishna Industrial Area
Sector – 25, Ballabgarh, Faridabad – 121004 (Haryana).

Particulars of Sample tested : 415 V, 630 A, LT Control Panel
Type : Main Distribution Panel
Description of test sample : Refer Sheet 2 of 5
Serial Number : PEA/155
Number of Sample tested : One
Date(s) of Test(s) : 10 October 2025 to 13 October 2025
CPRI sample code number(s) : NOAHV25S0733
Particulars of test(s) conducted : Refer Sheet 3 of 5
Test in accordance with Standard/specification : IS/IEC 61439-1: 2020 & IS/IEC 61439-2: 2020
Sampling Plan : Nil
Customer's Requirement : Nil
Deviations, if any : Nil

Name of the witnessing persons :
Customer's Representatives : Mr. Vikram Singh
Other than Customer's Representatives : Nil
Test subcontracted with address of the laboratory : Nil
Documents constituting this report (in words)
Number of Sheet(s) : Five
Number of Oscillogram(s) : Nil
Number of Graph(s) : Nil
Number of Photograph(s) : One
Number of Test Circuit Diagram(s) : Nil
Number of Drawing(s) : Three


(Satish Kumar)
Test Engineer




(L.N. GIRI)
Engineering Officer Gr. 4
Reviewed and Authorized by

TEST REPORT



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TEST RESULTS

Test conducted : Degree of Protection: IP-54

1) Protection against solid foreign body: IP-5X

Date of test : 10 October 2025

Condition of the sample : New
before test

Test Details

Test Description	Differential Pressure	Test Duration
The test object is placed inside a closed chamber in which talcum powder (unscented) is maintained in suspension by air current as per standard.	NA	8 Hours

Observations: No Traces of talcum powder was observed inside the sample after IP-5X.

2) Protection against Ingress of water : IP-X4

Date of test : 13 October 2025

Condition of the sample : As such after IP-5X test.
before test

Test details : The sample was placed in normal position and all the surfaces of the sample were sprayed by water using spray nozzle with no counter balance shield in place as per standard.

Water pressure	Delivery rate of water	Duration of the test (minutes)
0.51 kg/cm ²	10 ltr./min.	5.0

Observations: No traces of water observed inside the sample after IP- X4 test.

Conclusion: The sample tested complies with the requirements of clause no. 10.3 of IS/IES 61439-1: 2020 & IS/IES 61439-2: 2020 for the test conducted.


(Satish Kumar)
Test Engineer