

TEST REPORT



Test Report Number : CPRINOAHV25T0685 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, 400 A, LT Control Panel
Type : Outdoor
Description of test sample : Refer Sheet 2 of 5
Serial Number : PEA/156
Number of Sample tested : One
Date(s) of Test(s) : 10 October 2025 to 13 October 2025
CPRI sample code number(s) : NOAHV25S0732
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

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TEST RESULTS

Test conducted : Degree of Protection: IP-65
1) Protection against solid foreign body: IP-6X
Date of test : 10 October 2025
Condition of the sample before test : New

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.	200 mm	8 Hours

Observations: No traces of talcum powder were observed inside the sample after IP-6X.

2) Protection against ingress of water: IP-X5

Date of test : 13 October 2025
Test details : The sample was washed from all the directions by means of hose nozzle with a diameter of 6.3 mm held at distance of 3 meters, delivery rate being maintained at 12.5 litres per minute as per standard. Test duration was 3.0 minutes.
Observations : No traces of water observed inside the sample after IPX5 test.
Conclusion : The sample tested complies with the requirements of clause no. 10.3 of IS/IEC 61439-1: 2020 & IS/IEC 61439-2: 2020 for the test conducted.


(Satish Kumar)
Test Engineer