

CENTRAL POWER RESEARCH INSTITUTE
ELECTRICAL APPLIANCES TECHNOLOGY DIVISION



CPRI

No. EATD/IP/2017

Dated: 10.07.2017

M/s. Acrastyle Power(INDIA) Limited,
No.14 CMDA Industrial Area, Chithamanur Village,
Maraimalainagar, Kancheepuram Dist. Tamilnadu-603209

KIND ATTENTION: Mr. B Rajamanikandan, Sr Engineer-Technical

SUB : IP 54 CAT-2 Tests Report – Reg.
REF : Customer request form Dated: 01.06.2017

Dear Sir,

IP 54 Category 2 Test, as per IEC 60529, Edition 2.2, 2013-08 Standard. Clause 11.5, 13.4 and 14.2.4(b).
Respectively on,

Sl. No.	TEST REPORT NO. and Date	SAMPLE DESCRIPTION
1.	233EATDIP17S0125 Dated: 05.06.2017	IP54 Simplex Control and Relay Panel

Any Anomalies / Discrepancies in the report may please be brought to our notice within forty – five days.

Kindly acknowledge the receipt of the test report.

Thanking you,

Yours faithfully,


(D VENKATESH)
Test Engineer

Encl.: As above.

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TEST REPORT



Central Power Research Institute

(A Govt. of India Society)

**P.B.No. 8066, Sadashivanagar Post Office,
Sir C.V. Raman Road,
Bangalore - 560 080 (INDIA)**

CENTRAL POWER RESEARCH INSTITUTE



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TEST REPORT

Test Report Number: 233EATDIP17S0125

Dated: 05.06.2017

Name & Address of the Customer : M/s. Acrastyle Power(INDIA) Limited,
No.14 CMDA Industrial Area, Chithamanur Village,
Maraimalainagar, Kancheepuram Dist. Tamilnadu-603209

Name & Address of the Manufacturer : M/s. Acrastyle Power(INDIA) Limited,
No.14 CMDA Industrial Area, Chithamanur Village,
Maraimalainagar, Kancheepuram Dist. Tamilnadu-603209

Particulars of sample tested

Condition of the sample on Receipt : New
Type : Indoor
Description of test sample : IP54 Simplex Control and Relay Panel
Serial Number : 070/16-17
Number of samples tested : One only.
Date (s) of Test (s) : 01.06.2017 & 02.06.2017
CPRI sample code no(s) : EATDIP17S0125

Particulars of tests conducted

Test in accordance with : IP 54 Test Category 2, as per IEC 60529 Edition 2.2, 2013-08
Standard / specification : Standard. Clause 11.5, 13.4 and 14.2.4(b).
Sampling Plan : Not applicable
Customer's requirement : 1. IP 54 Test Category 2, as per IEC 60529 Edition 2.2, 2013-08
Standard. Clause 11.5, 13.4 and 14.2.4(b).
2. Visual observation for entry of dust IP 5X Category 2 and
water IP X4
Deviations if any : -Nil-

Name of the witnessing persons


Customer's representative : Mr. B Rajamanikandan, Sr Engineer-Technical
Mr. S Mohan, Engineer-Technical
Other than customer's representatives : None
Test subcontracted with : None
address of the laboratory : None

Documents constituting this report (In words)

Number of sheets : Three only
Number of oscillograms : -Nil-
Number of graphs : -Nil-
Number of photos : -Nil-
Number of test circuit diagrams : -Nil-
Number of drawings : Two Only, Drawing No. PRA8000000/00., Sheet 01 of 02,
Sheet 02 of 02.


(D VENKATESH)
Test Engineer




(A.R RAVIKUMAR)
Head of Division

CENTRAL POWER RESEARCH INSTITUTE



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Test Report Number: 233EATDIP17S0125

Dated: 05.06.2017

TEST RESULTS:

Sl. No.	PARTICULARS		OBSERVATIONS
	TESTS CONDUCTED	REFERENCE CLAUSE	
1.0	IP 5X Test Category 2, as per IEC 60529 Edition 2.2, 2013-08 Standard.	Clause No. 11.5 & 13.4 Protection against Ingress of solid foreign objects – Dust Protection Test.	Fine layer of dust found observed inside the "IP54 Simplex Control and Relay Panel" enclosure.
2.0	IP X4 Test as per IEC 60529 Edition 2.2, 2013-08 Standard.	Clause No. 11.5 & 14.2.4(b) Protection against ingress of water – Spray nozzle, water flow rate 10 Ltrs/min \pm 5% and at a distance of 0.5 m.	No entry of water found observed inside the "IP54 Simplex Control and Relay Panel" enclosure.


Test Engineer