

CPRI

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

Sheet 1 of 3



TEST REPORT

Test Report Number:089EATDHPL12S0012

Dated:09.02.2012

CPRI

Name & Address of the Customer : M/s ELECTROSOFT AUTOMATION,
S7/1, Jai Mata Di Compound
Thane – Bhiwandi Road, Kalher – 421 302,
Dist. Thane.

Name & Address of the Manufacturer : M/s ELECTROSOFT AUTOMATION,
S7/1, Jai Mata Di Compound
Thane – Bhiwandi Road, Kalher – 421 302,
Dist. Thane.

Particulars of sample tested

Condition of the sample on Receipt : New
Type : Out door (415 V AC, 200 A, 3 Phase)
Designation : PDB LT Panel
Serial Number : 277 / 11-12
Number of samples tested : One only
Date (s) of Test (s) : 01.02.2012 and 02.02.2012
CPRI sample code no(s) : HPL12S0012

Particulars of tests conducted

Test in accordance with
Standard / specification : IP 65 (IP 6X Category 2) Tests as per IS12063:1987
(RA 2009) Standard.

Sampling Plan : Not applicable

Customer's requirement : 1. IP 65 (IP 6X Category 2) Tests as per IS12063:1987
(RA2009) Standard.
2. Insulation Resistance Measurement at 500 V DC and
3. Power frequency High Voltage withstand test at 2.0 kV
AC – to be applied for one minute between all busbar
terminals shorted together and body, to be conducted
before and after IP Test.

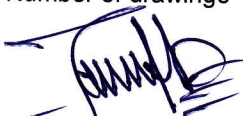
Deviations if any : -Nil-

Name of the witnessing persons

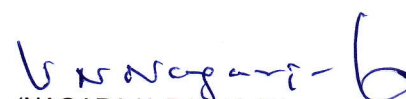
Customer's representative : Mr. Shaikh Muzaffar.
Other than customer's representatives : -Nil-
Test subcontracted with
address of the laboratory : None

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 : One only. Drg. No. CP-12-001 REV 0 PAGE 1 OF 2


(LOKESH C.)
Test Engineer




(NAGARAJA RAO V. N.)
Joint Director

CENTRAL POWER RESEARCH INSTITUTE



Sheet 2 of 3

Test Report Number:089EATDHPL12S0012

Date:09.02.2012

CPRI

CONDITION OF SAMPLE: New sample fitted with MCB and busbars inside.

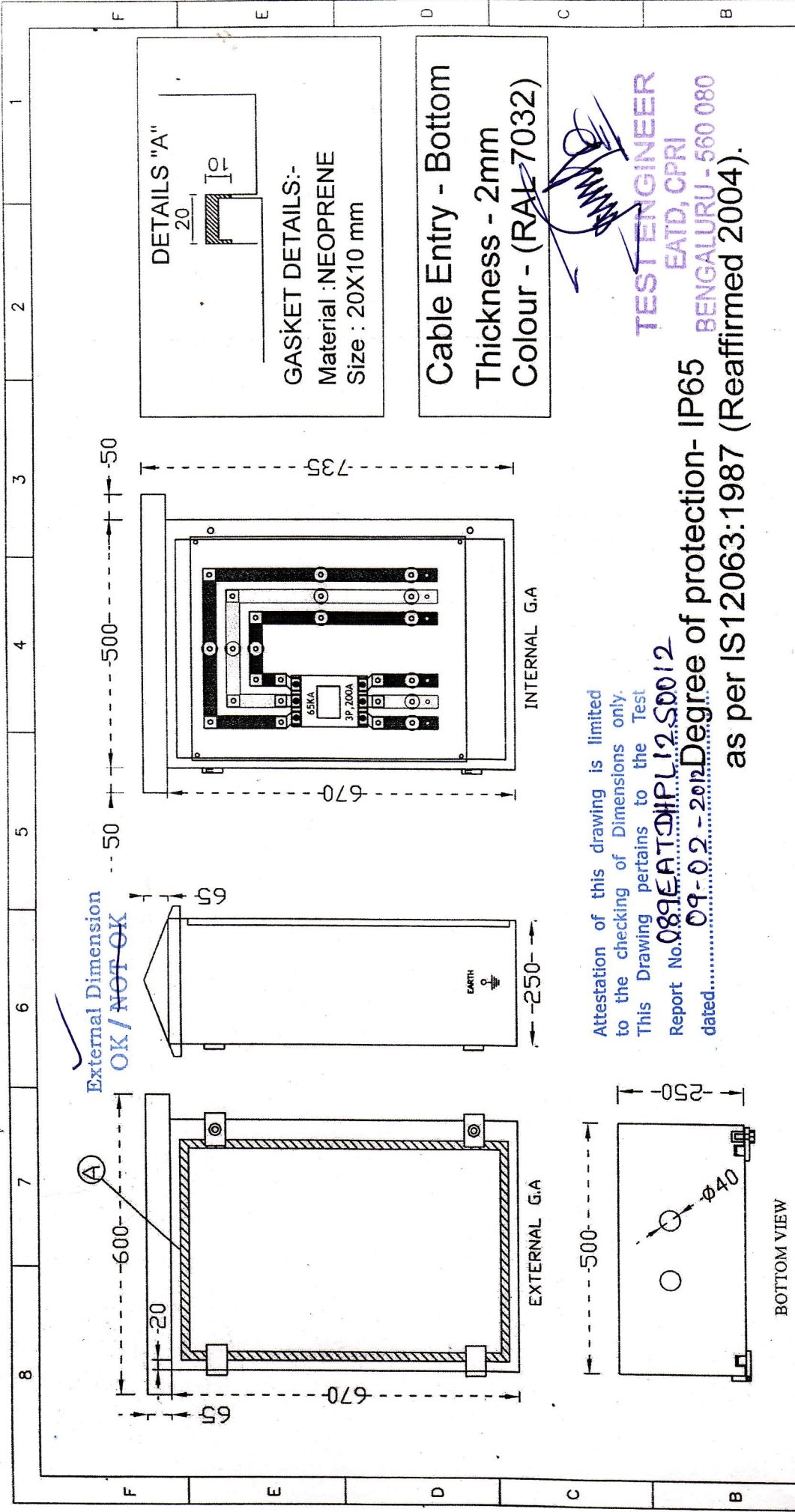
TEST RESULTS:

SL. NO.	PARTICULARS		OBSERVATIONS/VALUES OBTAINED		
	TESTS CONDUCTED	REFERENCE CLAUSE			
1.0	IP 6X Category 2 test as per IS12063:1987 (RA2004) Standard	Clause 7.6 Protection against ingress of solid foreign objects – Dust test.	No dust found inside the PDB LT Panel. "Protection provided is satisfactory"		
2.0	IP X5 Test as per IS 12063:1987 (RA2009) Standard	Clause 8.5 Protection against harmful ingress of water – Hosejet of 6.3 mm dia, from 3 m distance	No water found inside the PDB LT Panel.		
3.0	Electrical Tests		Before IP 6X test	After IP 6X test/ Before IP X5 test	After IP 5 test
3.1	Insulation Resistance Measurement at 500 V DC applied for one minute between all busbar terminals shorted together and body of PDB LT Panel		>1.0 GΩ	>1.0 GΩ	>1.0 GΩ
3.2	Power frequency High Voltage Withstand test at 2.0 kV AC applied for one minute between all busbar terminals shorted together and body of PDB LT Panel.		Withstood	Withstood	Withstood

Compliance Note:

The PDB LT Panel sample submitted for IP 65 (IP 6x Category 2) Tests meets the requirements of the test as per IS12063:1987 (RA2009) Standard..

Test Engineer



DETAILS "A"

GASKET DETAILS:-
Material : NEOPRENE
Size : 20X10 mm

Cable Entry - Bottom
Thickness - 2mm
Colour - (RAL 7032)

INTERNAL G.A

EXTERNAL G.A

Attestation of this drawing is limited to the checking of Dimensions only. This Drawing pertains to the Test Report No. **089EATDIP12.S0012** dated **09-02-2012** Degree of protection- IP65 as per IS12063:1987 (Reaffirmed 2004).

[Signature]
TEST ENGINEER
EATD, CPRI
BENGALURU - 560 080

BOTTOM VIEW

A	MANUFACTURER:- ELECTROSOFT AUTOMATION	TYPE : INDOOR AND OUTDOOR	Drawing No:- CP-12-001	DRWN BY	I.M	REV
	RATED VOLTAGE : 415VAC, 3 PH RATED CURRENT : 200A	RATED VOLTAGE : 415VAC, 3 PH RATED CURRENT : 65 KA	TITLE : PDB LT PANEL DRAWING	CHK BY	M.S	0
			CLIENT : PROLIFIC SYSTEMS & TECHNOLOGIES P. Ltd.	APPR BY	S.B	
			SHORT CIRCUIT CURRENT : 65 KA	DATE	09.01.12	PAGE 1 OF 2
					2	1