



Certificate No. : T-0071

ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION

(Accredited by the National Accreditation Board for Testing and Calibration Laboratories, Govt. of India)

ERDA Road, Makarpura Industrial Estate, Vadodara-390 010, India.

EPABX : +91 (0265) 2642942, 2642964, 2642377, 3043128 / 29 / 30 / 31 / 33,

Fax : +91 (0265) 2638382




E-mail : erda@erda.org

Web : http://www.erda.org



TEST REPORT

Sheet: 1 of 3

NAME AND ADDRESS OF CUSTOMER PRIMA AUTOMATION (I) P. LTD. PLOT NO. 793, RAKANPUR, POST: SANTEJ, TA. KALOL, DIST: GANDHINAGAR- 382 721	TEST REPORT NO.: LIPS/99 DATE: 16/06/2011	
	CUSTOMER REF. NO.:	DATE
	Nil	09/06/2011
	DATE OF SAMPLE RECEIPT	DATE OF TESTING
10/06/2011	10/06/2011 to 11/06/2011	
SAMPLE DESCRIPTION CUBICAL ENCLOSURE Containing: Mounting Plate, MPCB	SAMPLE IDENTIFICATION ERDA sample code no.: LSWGWO0092524/01 Drg. No.: 01CHA00GH001 (Sheet 1 of 7) (Total 1 Sheet) Sr. No.: Nil	
TEST DETAILS 1.0 IP 53 tests ENCLOSURES: i) Drg. No.: 01CHA00GH001 (Sheet 1 of 7) (Total 1 Sheet) ii) Photograph No. :92524/1 TEST WITNESSED BY : Mr. Pragnesh V. Patel of M/s. Prima Automation (I) P. Ltd., Gandhinagar	TEST SPECIFICATION IS/IEC 60529-2001	
REMARKS: Sample conforms to the requirement of IP 53 tests as per the standard.		
 Prepared by	 Checked by	 Approved by

- Note:** 1. This report relates only to the particular sample received for testing in good condition at ERDA.
 2. This report cannot be reproduced in part under any circumstances.
 3. Publication of this report requires prior permission in writing from Director, ERDA.
 4. Only the tests asked for by the customer have been carried out.

TE 0712711



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DATE : 16/06/2011

TEST RESULTS

IP 53 Tests: (Protection against ingress of dust and protection against spraying water – as per IS/IEC 60529- 2001)

1.0 IP 5X test:

1.1 Before IP 5X test

The following tests were carried out.

a) Insulation resistance test

The insulation resistance was measured using 500 V DC source between all live parts connected together and the body. The measured value was more than 200 M Ohm.

b) High voltage test

The sample was subjected to test voltage of 2.0kV (RMS) at 50 Hz for one minute between all live parts connected together and the body. The unit withstood the test voltage.

1.2 IP 5X test: (Protection against ingress of dust Cl. No. 13.4 & 13.5.2 of IS/IEC : 60529:2001)

The sample was kept as in normal use inside the test chamber. The required amount of talcum powder was maintained in suspension throughout the test. The pressure inside the enclosure was maintained to 200 mm column of water below atmosphere. The test was continued for 8 hrs.

1.2.1 After the test, the following observation was made.

i) No dust was found inside the enclosure.

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1.3 After IP 5X test

The following tests were carried out.

- a) Insulation resistance using 500 V DC source measured as in Sr. No. 1.1.a) and the measured value was more than 200 M Ohm.
- b) The high voltage withstand test as in Sr. No. 1.1.b) was done at 80% of the test voltage for one minute. The sample withstood the test voltage.

2.0 IP X3 Test : (Protection against ingress of spraying water Cl. No. 14.2.3 & 14.3 of IS/IEC 60529:2001)

The sample was kept as in normal use. The sample was subjected to water spraying test. The water was sprayed on the sample at a delivery rate of 10 l/min from all practicable directions. The distance between nozzle and equipment was maintained approximately 300 mm to 500 mm. The test was continued for 7 minutes 14 seconds.

2.1 After the test, following observation was made.

- i) No water was found inside the enclosure.

2.2 After IP X3 Test

The following tests were carried out.

- a) Insulation resistance using 500V DC source was measured as in Sr.No. 1.1.a) and the measured value was more than 200M Ohm.
- b) The high voltage withstand test as in Sr. No. 1.1.b) was done at 80% of the test voltage for one minute. The sample withstood the test voltage.

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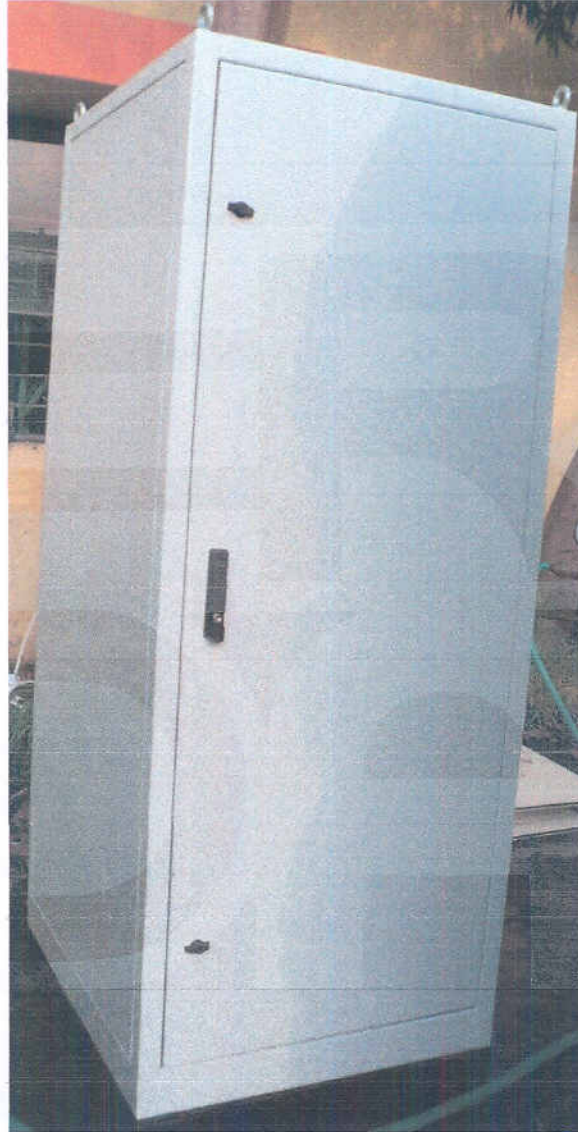
E-mail : erda@erda.org

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Date: 16/06/2011



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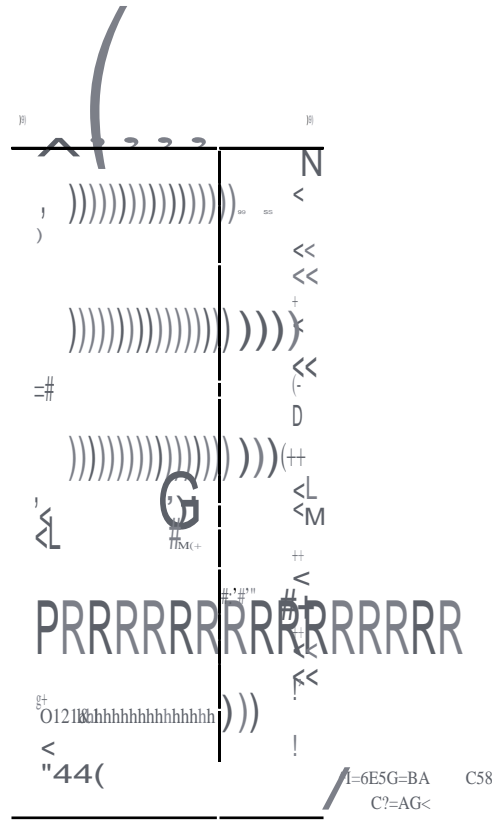
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CUBICAL ENCLOSURE

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