



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.

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### TEST REPORT

Sheet: 1 of 2

<b>NAME AND ADDRESS OF CUSTOMER</b>  PRIMA AUTOMATION (INDIA) PVT. LTD PLOT NO.: 793, AT. RAKANPUR, PO SANTEJ, TA: KALOL, DIST.: GANDHINAGAR - 382721, GUJARAT, INDIA.	<b>TEST REPORT NO:</b> LIPS/844 <b>DATE</b> : 19/06/2010	
	<b>CUSTOMER REF. NO.:</b> Nil	<b>DATE</b> 01/06/2010
	<b>DATE OF SAMPLE RECEIPT</b> 02/06/2010	<b>DATE OF TESTING</b> 03/06/2010 to 04/06/2010
	<b>SAMPLE DESCRIPTION</b>  <b>JUNCTION BOX</b>  Containing: MCB, Switch, Terminals	
<b>SAMPLE IDENTIFICATION</b>  <b>ERDA sample code no.:</b> LSWGWO0082390/01  Drg. No.: Pm/Prima/10 (Sheet 1 of 1)  Sr. No.: Nil		
<b>TEST DETAILS</b>  1.0 IP 65 tests  <b>Enclosures:</b> i) Drg. No.: Pm/Prima/10 (Sheet 1 of 1) ii) Photograph No.: i) 82390/01/1 ii) 82390/01/2  <b>Test Witnessed By:</b> Mr. Mistry Prakash M of of M/s. Prima Automation (I) Pvt. Ltd, Kalol.		<b>TEST SPECIFICATION</b>  IS/IEC 60529 - 2001
<b>Remarks:</b> Sample <b>conforms</b> to the requirement of IP 65 tests as per the standard		
 <b>Prepared by</b>	 <b>Checked by</b>	 <b>Approved by</b>

- 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.

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Test Report No.: LIPS/844

Sheet : 2 of 2

Date : 19/06/2010

### TEST RESULTS

#### IP 65 Tests : (Protection against ingress of dust and protection against water jets – IS/IEC 60529-2001)

##### **1.0 IP 6X test: (Protection against ingress of dust Cl. No. 13.4 & 13.6 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.

1.1 After the test, the following observation was made.

i) No dust was found inside the enclosure.

##### **2.0 IP X5 Test: (Protection against water jets Cl. No14.2.5 & 14.3 of IS/IEC: 60529 -2001)**

The sample was kept as in normal use. The unit was subjected to a stream of water from a nozzle of 6.3 mm inner diameter from all practically possible directions at a delivery rate of 12.5 l/min. The distance between nozzle and equipment was maintained approximately 3.0 m. The test was continued for 3 minutes.

2.1 After the test, following observation was made.

i) No water was found inside the enclosure.

##### **2.1.1 After IP X5 Test**

The following test was carried out.

a) 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.

*Raw*

Prepared by

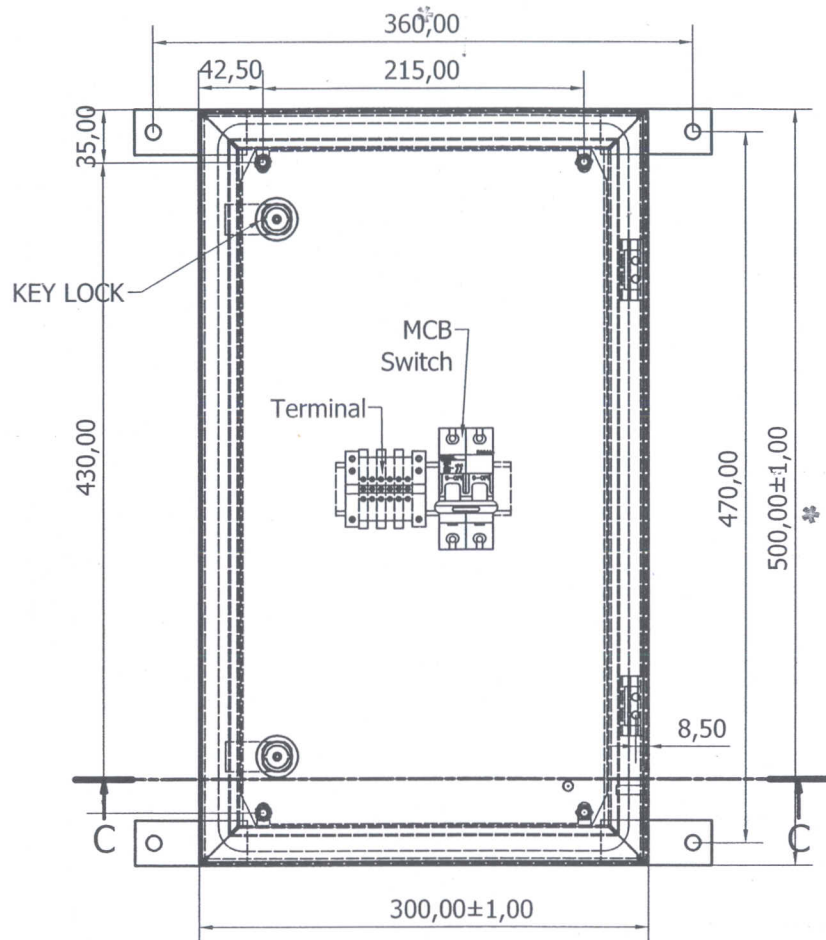
*Shus*

Checked by

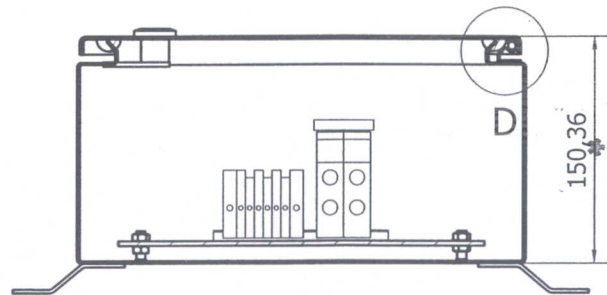
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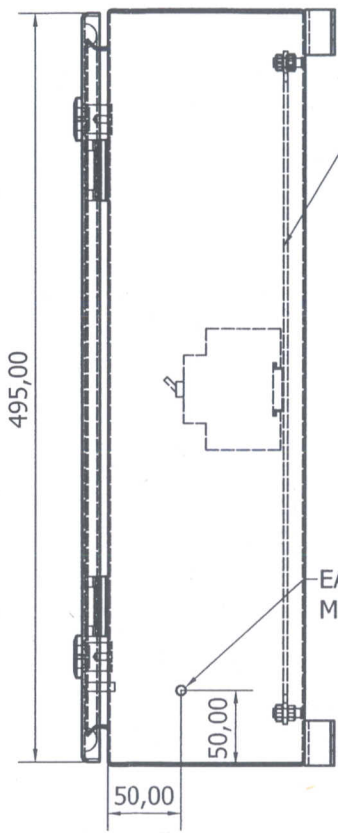




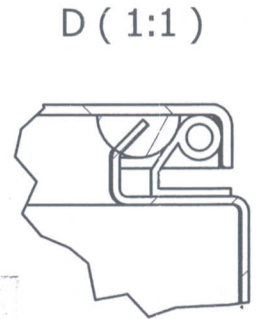
FRONT VIEW



C-C (1 : 3.5)



SIDE VIEW



MOUNTING PLATE  
MATE: 2.5MM GI


EARTHING STUD  
M6X20MM LONG

APR 21 8 11 AM  
19/06/2010  
Pragna Automation Box  
Checked by ERDAIS  
10% dimensional checks only.  
\* 1000 are marked with \*

**PRIMA UNIT-I**  
CONTROLLED COPY : .....  
DATE OF ISSUE : 20.05.10  
SIGN : .....

NOTE :-

- SCALE :- ALL DIMENSION ARE IN MM
- COLOUR :- NOT TO SCALE
- MATERIAL :- EPOXY POWDER COATING
- PROTECTION :- 1.6MM CRCA
- IP -
- WEIGHT :- N/A
- MATERIAL :-
- ENCLOSURE COATING :-
- BASE FRAME COLOUR :-

ALL DIMENSION ARE IN MM								IP -		DATE :- 5/14/2010	
UNSPECIFIED TOLERANCE AS PER DIN ISO 2768-C								QTY. :-		WEIGHT :- N/A	
CLASS OF DEVIATION	ABOVE	0	6	30	100	300	1000	2000	NAME	SIGN	MATERIAL :-
	UPTO AND INCLUDING	6	30	100	300	1000	2000	3000			
MEDIUM		±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2.0	CHECKED BY		ENCLOSURE COATING :-
COURSE		±0.5	±1.0	±1.0	±1.0	±2.0	±3.0	±4.0	APPROVED BY	<i>Pragna</i>	BASE FRAME COLOUR :-
 <b>TITLE :- JUNCTION BOX</b>										DRAWING NO :- <i>Prima Automation</i>	
PRIMA AUTOMATION (I) PVT. LTD										SHEET SIZE A3	SHEET 1/1