



परीक्षण रिपोर्ट TEST REPORT



केन्द्रीय विद्युत अनुसंधान संस्थान

(विद्युत मंत्रालय, भारत सरकार के अधीन एक स्वायत्त सोसायटी)

CENTRAL POWER RESEARCH INSTITUTE

(An Autonomous Society under Ministry of Power, Govt. of India)

एस टी एल के सदस्य

Member of STL

स्विचगियर परीक्षण तथा विकास केन्द्र

SWITCHGEAR TESTING & DEVELOPMENT STATION

गोविन्दपुरा, भोपाल - 462023

GOVINDPURA BHOPAL - 462023

दूरभाष/Telephone +91 (0) 755 - 2586682 फैक्स/Fax +91 (0) 755-2587774

CENTRAL POWER RESEARCH INSTITUTE

TEST REPORT



CPRI

Test Report Number : CPRIBPLSTNBMISC23T0267

Date: 25 October 2023

Name and Address of the Customer : Elentric Industries Private Limited.,
Kendukuchi Lower Primary School, Guwahati, Elen
Engineering, Bhattapara, Dharapur Palasbari Road,
Kendukuchi Chowk, Garal, Kamrup Metropolitan,
Assam – 781017

Name and Address of the Manufacturer : Elentric Industries Private Limited.,
Kendukuchi Lower Primary School, Guwahati, Elen
Engineering, Bhattapara, Dharapur Palasbari Road,
Kendukuchi Chowk, Garal, Kamrup Metropolitan,
Assam – 781017

Particulars of Sample(s) Tested : 12 kV, 1250Amp, 26.3kA/3 sec. VCB Panel

Condition of sample(s) on receipt : New
Type : Elentric-11kV-Indoor-VCB Panel-EASYPACT-EXE.
Description of test sample : Refer sheet 2 of 6
Serial Number(s) : Panel-Elentric/AIS/23/001
Number of Sample(s) Tested : One
Date(s) of Test(s) : 19 July 2023
CPRI sample code number(s) : STNBMISC23S1536(Panel), STNBMISC23S1537(VCB)
Details of sealing(s) of sample(s) : Nil

Particulars of test(s) conducted : Short time withstand current and peak withstand current tests.

Test(s) in accordance with : As per customer's requirement d procedure generally
Standard/specification followed and as per Cl. 7.6 (a) of IEC 62271-200, 2021
Sampling Plan : Nil

Customer's Requirement : Test to be conducted on main circuit only
Deviations, if any : Test was conducted on main circuit only

Name of the witnessing persons

Customer's Representatives : Mr. Samsul Huda, Mr. Sazid Islam
Other than Customer's Representatives : Nil
Test subcontracted with and address of the laboratory : Nil

Documents constituting this report (in words)

Number of Sheet(s) : Six
Number of Oscillogram(s) : One
Number of Graph(s) : Nil
Number of Photograph(s) : One
Number of Test Circuit Diagram(s) : One
Number of Drawing(s) : Nine

(Prabakaran T)
Test Engineer



(Himangshu Roy)
Head of Division
Reviewed and Authorized by

CENTRAL POWER RESEARCH INSTITUTE

TEST REPORT



CPRI

Test Report Number : CPRIBPLSTNBMISC23T0267 Date: 25 October 2023

DESCRIPTION OF SAMPLE TESTED

(As assigned by the manufacturer)

Test sample	: 12 kV, 1250Amp, 26.3kA/3 sec. VCB Panel
Type	: Elentric-11kV-Indoor-VCB Panel-EASYPACT-EXE
Designation	: Horizontal Isolation Horizontal Draw out Easypact EXE VCB Panel
Serial Number(s)	: STNBMISC23S1536(Panel), STNBMISC23S1537(VCB)
Rated Voltage (kV)	: 12
Dry Frequency Withstand Voltage (kV)	: 28/32
Rated Impulse Voltage (kVpk)	: 75
Rated Current (A)	: 1250
Number of Phases	: 3
Rated Frequency (Hz)	: 50
Rated short time withstand & peak withstand current	: 26.3 kArms for 3.0 second with initial peak of 65.75 kApk

VCB Details

Rated voltage	: 12kV
Rated Insulation Voltage	: -
Model	: EASYPACT - EXE
Rated Current	: 1250A
Make	: Schneider Electric India
Serial No.	: 10-2022-W11-1-0007
Rated short time withstand current	: 26kA for 3 second

Interrupter Details

Type	: T1X
Make	: Schneider Electric India
Serial No.	: R pole – 1722122050 Y pole – 1722123050 B pole – 1722131050

(Prabakaran T)
Test Engineer

CENTRAL POWER RESEARCH INSTITUTE

TEST REPORT



CPRI

Test Report Number : CPRIBPLSTNBMISC23T0267

Date: 25 October 2023

SUMMARY OF TEST CONDUCTED

1. Test conducted : Short time withstand current and peak withstand current test on main circuit only
2. Rating for which Tested : 26.3 kArms for 3.0 second with initial peak of 65.75 kApk

3. Schedule of test results

Test conducted	Clause	Sheet
Short time withstand current and peak withstand current test.	As per customer's requirement	5 of 6

4. Oscillogram numbers : CPRIBPLSTNBMISC23T0267S002
5. Graph Numbers : Nil
6. Photograph Numbers : CPRIBPLSTNBMISC23T0267P01
7. Test Circuit diagram number : OLTS/TCD-STC-05
8. Drawing Numbers : Refer sheet No. 4 of 6

(Prabakaran T)
Test Engineer

CENTRAL POWER RESEARCH INSTITUTE

TEST REPORT



CPRI

Test Report Number : CPRIBPLSTNBMISC23T0267

Date: 25 October 2023

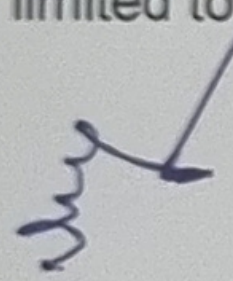
LIST OF DRAWINGS

Drawing Numbers

The manufacturer has guaranteed that the sample submitted for the test(s) has been manufactured in accordance with the following drawings

Sl. No.	Drawing Number	Sheet Number	Revision Number
1.	ELENTRIC/23-24/STC-VCB/CPRI/RATING PLATE	1 of 1	01
2.	ELENTRIC/23-24/STC-VCB/CPRI/GA	1 of 2	01
3.	ELENTRIC/23-24/STC-VCB/CPRI/GA	2 of 2	01
4.	MV12KV263VCB	-	00
5.	NHA2095802	1 of 1	07
6.	ELENTRIC11KV0033	1 of 1	00
7.	ELENTRIC11KV0032A	1 of 3	00
8.	ELENTRIC11KV0032A	2 of 3	00
9.	ELENTRIC11KV0032A	3 of 3	00

It is verified that these drawings adequately represent the sample tested. Verification of this drawing by CPRI is limited to dimensional check only wherever possible.


(Prabakaran T)
Test Engineer

CENTRAL POWER RESEARCH INSTITUTE

TEST REPORT

Test Report Number : CPRIBPLSTNBMISC23T0267

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CPRI

SHORT TIME WITHSTAND CURRENT AND PEAK WITHSTAND CURRENT TEST

Test conditions:

Condition of the sample date of test : New
 No. of phases : Three
 Source frequency : 50Hz
 Transformer neutral & short circuit : Refer test circuit diagram No. OLTS/TCD-STC-05

Test results:

Oscillogram Number	Peak kA (B-phase)	RMS in kA			Duration (Second)	Average Current for said duration in kArms
		Ir	Iy	Ib		
Three phase short time withstand current and peak withstand current test on VCB Panel. Test circuit diagram : OLTS/TCD-STC-05						
CPRIBPLSTNBMISC23T0267S002	66.80	27.60	27.58	27.20	3.0	27.46

Observations:

During test : No abnormality
 After test : No abnormality, VCB intact & VCB operable on no load. All busbars & supports intact.

Measurement of Resistance of Main Circuit

	Resistance in $\mu\Omega$			Temperature in °C	DC Current in A
	R	Y	B		
Before test	97.3	85.3	83	30	100
After test	95.6	96.7	92.67	30	100

Remarks : Variation in resistance was within the limit as specified in the standard.
 After STC test, the sample withstood HV test at 28kVrms for one minute as per standard.

Conclusion : The sample tested complies with the requirement of customer's for the test conducted.

(Prabakaran T)
Test Engineer

CENTRAL POWER RESEARCH INSTITUTE

TEST REPORT



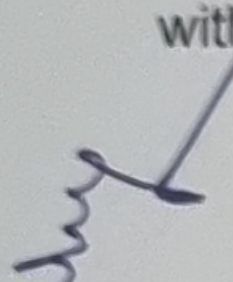
CPRI

Test Report Number : CPRIBPLSTNBMISC23T0267

Date: 25 October 2023

NOTE

- a) The Test results relate only to the sample(s) tested.
- b) Publication or reproduction of this Test Report in any form other than by complete set of the whole Test Report and in the language written is not permitted without the written consent of CPRI.
- c) Any Corrections / erasure invalidate the Test Report.
- d) Any anomaly / discrepancy in the Test Report should be brought to notice of CPRI within 45 days from the date of issue.
- e) All documents constituting this Test Report are stitched together with a continuous silk thread, the two ends of which have been brought over the front sheet of this Test Report and sealed with a CPRI logo printed paper sticker.


(Prabakaran T)
Test Engineer

-----End of Test Report-----

CENTRAL POWER RESEARCH INSTITUTE (MEMBER OF STL)



TEST REPORT

Test Report Number : CPRIBPLSTNBMISC23T0267

TEST RESULTS



Photograph Number : CPRIBPLSTNBMISC23T0267P01

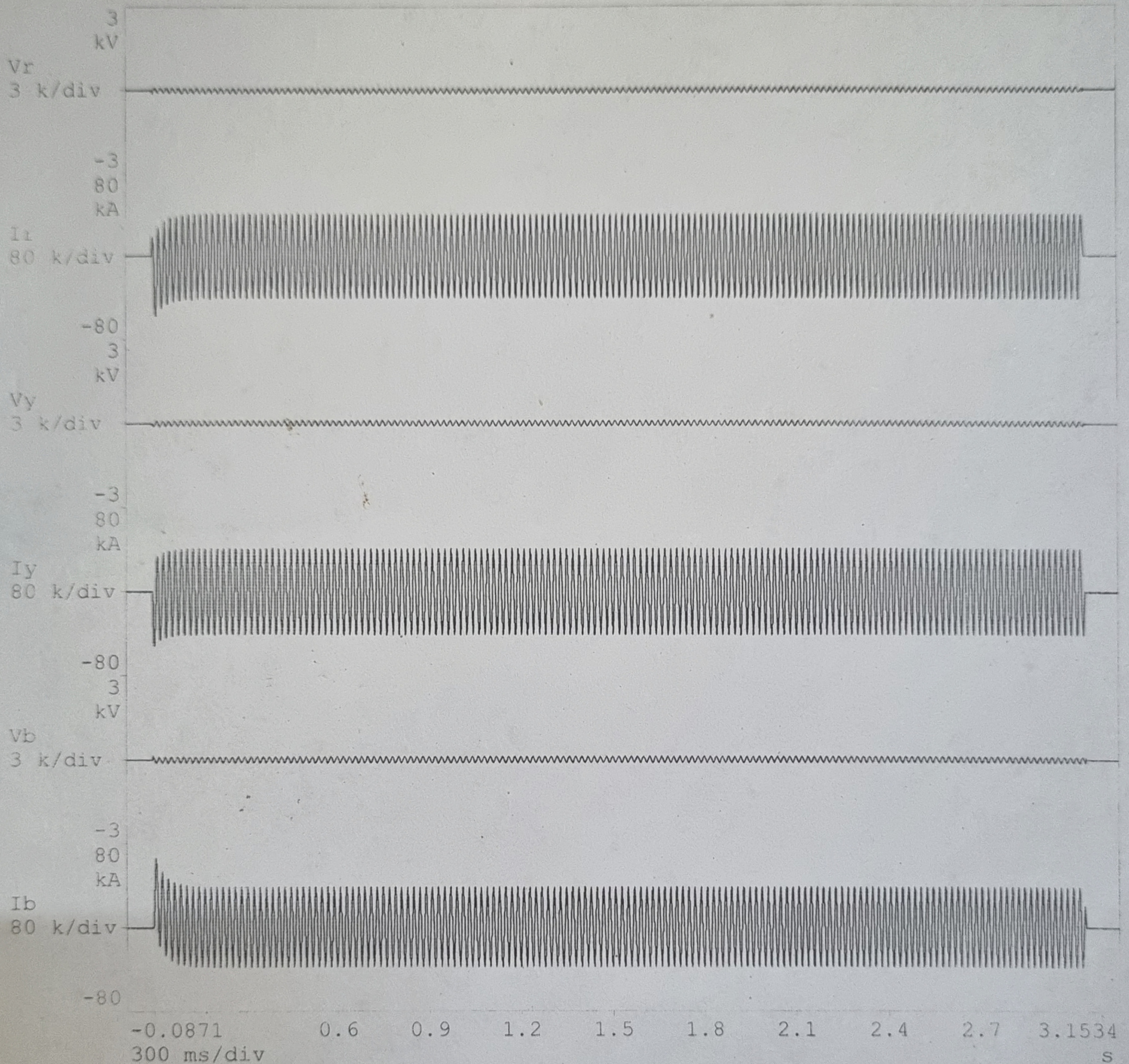
Test Engineer

Central Power Research Institute
(Member of STL)



Test Report Number : CPRIBPLSTNBMISC23T0267

TEST RESULTS

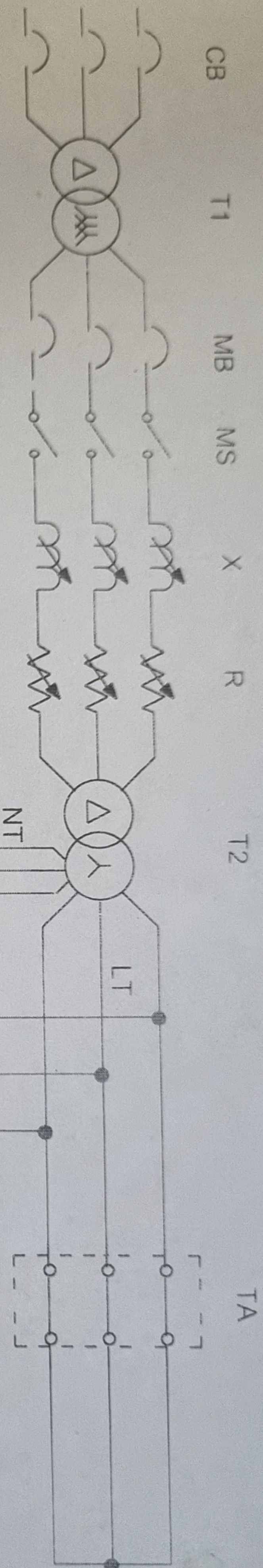


Oscillogram Number : CPRIBPLSTNBMISC23T0267S002

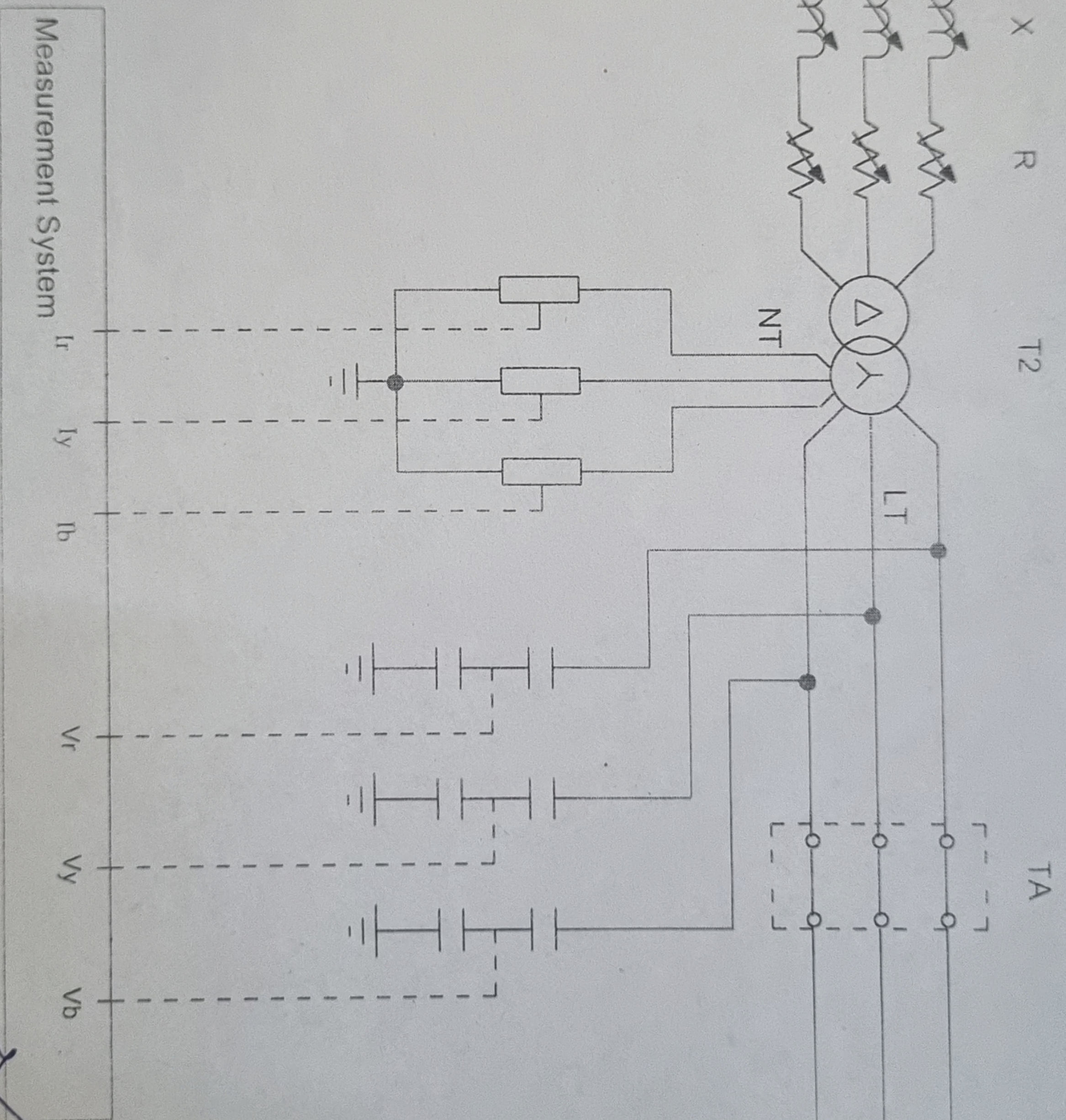
Test Engineer

SWITCHGEAR TESTING & DEVELOPMENT STATION
GOVINDPURA, BHOPAL-462023, INDIA
Phone: +91(0) 755 2586682 Fax: + 91(0) 755 2587774

CPRI Bhopal



- CB - HV Circuit Breaker
- T1 - HV Transformer
- MB - Master Circuit Breaker
- X - Source Side Reactor
- R - Source Side Resistor
- MS - Make Switch
- T2 - High Current Transformer
- VD - RC Voltage Divider
- S - Shunt
- TA - Test Apparatus
- LT - Line terminals of the secondary windings of T2
- NT - Neutral terminals of the secondary windings of T2



TEST ENGINEER

OLTS/TCD-STC-05

PANEL NAME PLATE

VCB NAME PLATE

ELENTRIC INDUSTRIES PRIVATE LIMITED

TYPE:-	ELENTRIC-11KV-INDOOR-VCB PANEL-EASYPACT-EXE
SERIAL NO (PANEL):-	ELENTRIC/AIS/23/001
SERIAL NO (VCB):-	10-2022-W11-1-0007
DESIGNATION:-	ELENTRIC-11KV-INDOOR-VCB PANEL-EASYPACT-EXE
APPLICABLE STANDARD:-	IEC : 62271-1 ; 62271-100 ; 62271-200
RATED VOLTAGE:-	12KV
RATED CURRENT:-	1250A
RATED FREQUENCY:-	50HZ
RATED INSULATION LEVEL:-	12/28/75KVP
RATED SHORT TIME CURRENT:-	26.3 kArms
PEAK WITHSTAND CURRENT :-	65.75 kAp
DURATION OF SHORT CIRCUIT :-	3 SEC
RATED OPERATING SEQUENCE :-	O-0.3s-CO-3
YEAR OF MANUFACTURING :-	2023

SCHNEIDER ELECTRIC

TYPE :-	EASYPACT EXE
SERIAL NO :-	10-2022-W11-1-0007
CLASS :-	E2,M2,S1
APPLICABLE STANDARD :-	IEC-62271-100 : 2012
RATED VOLTAGE :-	12kV
RATED CURRENT :-	1250A
RATED FREQUENCY :-	50Hz/60Hz
PEAK VOLTAGE :-	75kV
RATED SHORT TIEM WITHSTAND CURRENT :-	26.3KA
DURATION FO SHORT CIRCUIT :-	3 SEC

दिनांक/Dated

परीक्षण इंजीनियर / Test Engineer

के.वि.अ.सं. द्वारा रेखाचित्र का सत्यापन
जहाँ तक भी संभव हो सिर्फ विनीय
जांच तक ही सीमित है।
THE VERIFICATION OF THIS DRAWING
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REV.	DATE	REV.	DATE
01	DRAWN-5/11		DRAWN

GENERAL TOLERANCES AS PER IS 2102 LINEAR & ANGULAR DIMENSIONS WITHOUT INDIVIDUAL TOLERANCES INDICATIONS

ELENTRIC INDUSTRIES PVT. LTD
KENDUKUCHI CHOWK, PALASBARI ROAD, BHATTA PARA
GUWAHATTI-78107, ASSAM

REV.	DATE	REV.	DATE
	DRAWN		DRAWN

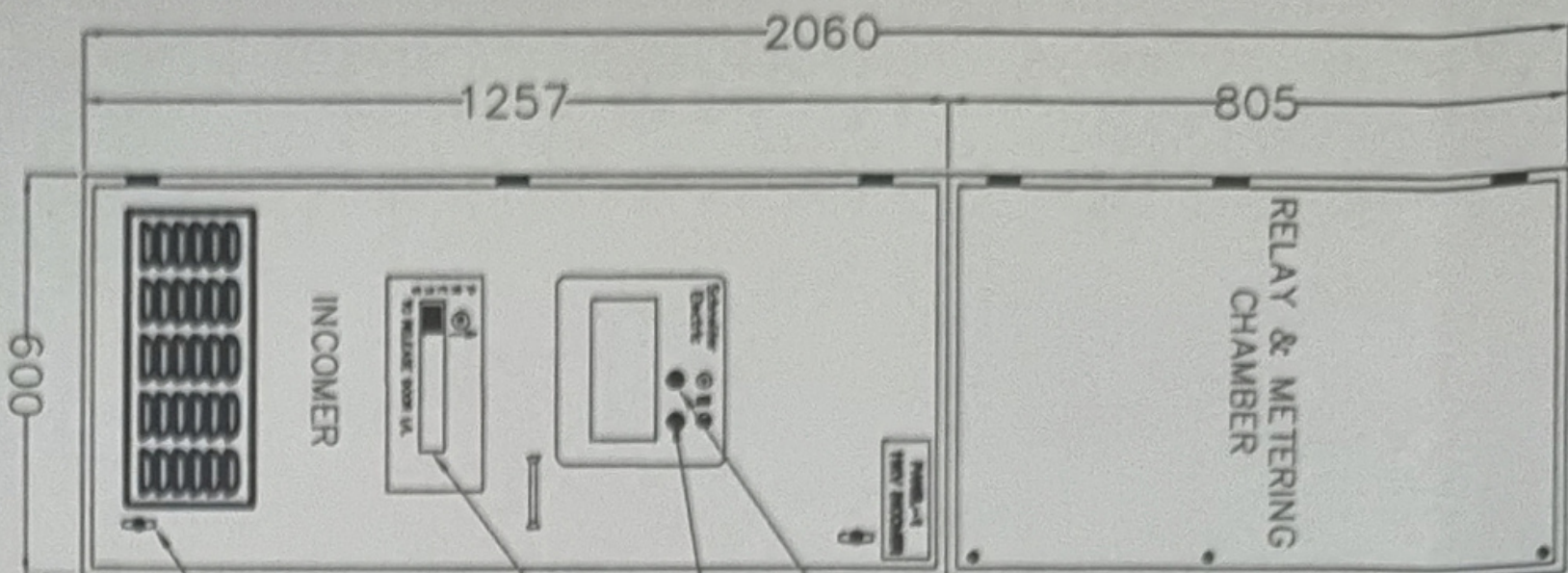
PERMISSIBLE DEVIATIONS LINEAR AS PER BASIC SIZE	PERMISSIBLE DEVIATIONS FOR RANGES OF LENGTHS IN mm OF SHORTER SIZE OF ANGLE CONCERNED
0 TO 10 mm ± 0.5 10 TO 50 mm ± 1 50 TO 100 mm ± 1.5 100 TO 300 mm ± 2	0-10mm ±1°-30° 10-50mm ±1° 50-250mm 10-30°

RATING PLATE(PANEL & VCB) OF 12KV,1250A 26.3KA
VCB PANEL FOR STC TYPE TESTING

REV.	DATE	REV.	DATE
	DRAWN		DRAWN

ALL SHARP CORNERS TO BE FREE FROM BURRS	SCALE
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DRAWN	NAME	DATE	DRAWING NO.	REV.
CHECKED	SM	17/07/23		
APPROVED	AC	17/07/23	ELENTRIC/23-24/STC-VCB/CPRI/RATING PLATE	01



PROVISION FOR MECHANICAL OPENING OF BREAKER
PROVISION FOR MECHANICAL CLOSING OF BREAKER
जहाँ तक भी संभव हो सिक विधीय जांच तक ही सीमित है।
THE VERIFICATION OF THIS DRAWING BY CPRI IS LIMITED TO DIMENSIONAL CHECKS ONLY WHEREVER POSSIBLE.

DOOR LOCK
यह रेखा चित्र सीपीआरआई के परीक्षण प्रविदेन क्र. दिनांक से संबंधित है।
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दिनांक/Dated

परीक्षण इंजीनियर / Test Engineer

TECHNICAL OVERVIEW

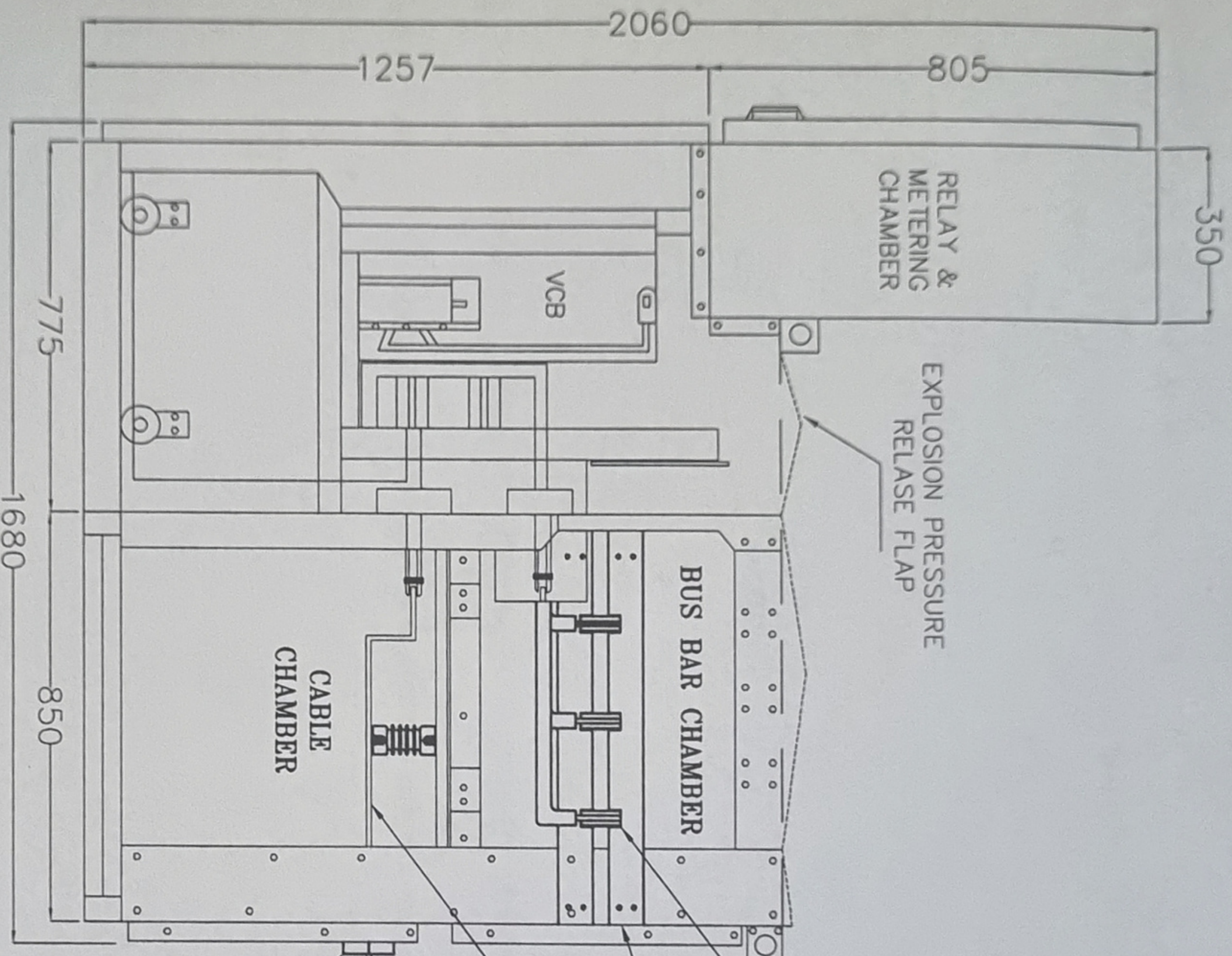
1. TYPE- SCHNEIDER ELECTRIC HT VCB
2. RATED VOLTAGE-12KV
3. RATED CONTINUOUS CURRENT-1250A
4. RATED FREQUENCY-50Hz
5. RATED INTERRUPTING CURRENT-26.3kA
6. RATED MAKING CURRENT-65.75 KAP
7. RATED SHORT TIME CURRENT-26.3KA FOR 3SEC
8. OPERATING DUTTY-0-0.3SEC-CO-3MIN-CO
9. APPLICABLE STANDARDS-IEC 62271-100,200 & IEC 62271-1
10. POWER FREQUENCY WITHSTAND VOLTAGE-28kV FOR 1MIN.
11. IMPULSE WITHSTAND VOLTAGE-75kVp
12. DEGREE OF PROTECTION-IP5X AS PER IEC 60529
13. TYPE OF MECHANISM-MOTOR CHARGED, STORED ENERGY, SPRING OPERATED
14. EARTH BUS-40x6 CU
15. MAIN HORIZONTAL BUS -1X80X10 SILVER PLATED COPPER
16. ALL CONNECTION & BUSBAR JOINTS ARE COVERED WITH FULL VOLTAGE 11KV GRADE HT TAPE

VCB MAKE-SCHNEIDER ELECTRIC
SL NUMBER-10-2022-W11-1-0007
PANEL MAKE:ELENTRIC INDUSTRIES PVT.LTD,GUWAHATI, ASSAM
SL NUMBER- ELENTRIC/AIS/23/001

REV.	DATE	REV.	DATE	REV.	DATE
01	28/07/2023				
DRAWN	-S.M	DRAWN		DRAWN	
REVISED AS PER COMMENTS FROM CPRI BHOPAL					
REV.	DATE	REV.	DATE	REV.	DATE
DRAWN		DRAWN		DRAWN	

GENERAL TOLERANCES AS PER IS 2102 LINEAR & ANGULAR DIMENSIONS WITHOUT INDIVIDUAL TOLERANCES INDICATIONS	
PERMISSIBLE DEVIATIONS LINEAR AS PER BASIC SIZE	PERMISSIBLE DEVIATIONS FOR RANGES OF LENGTHS IN mm OF SHORTER SIZE OF ANGLE CONCERNED
0 TO 10 mm ± 0.5 10 TO 50 mm ± 1 50 TO 100 mm ± 1.5 100 TO 300 mm ± 2	0- 10mm ±1°-30' 10- 50mm ±1° 50-250mm ±0-30'
UNSPECIFIED RADIUS OF EXTERNAL & INTERNAL CORNERS SHOWN SQUARE = 0.5 TO 1 mm	
ALL SHARP CORNERS TO BE FREE FROM BURRS	SCALE

ELENTRIC INDUSTRIES PVT. LTD KENDUKUCHI CHOWK, PALASBARI ROAD, BHATTA PARA GUWAHATI-78107, ASSAM			
GA OF 12KV, 1250A 26.3KA VCB PANEL FOR STC TYPE TESTING			
DRAWN	NAME	DATE	DRAWING NO.
SM	SM	17/07/23	
CHECKED	AC	17/07/23	ELENTRIC/23-24/STC-VCB/CPRI/GA
APPROVED	AC	18/07/23	SHEET - 1 OF 2
			REV. 01



MAIN HORIZONTAL CU BUS -1X80X10 mm PER PHASE (SILVER PLATED JOINTS) WITH HT SLEEVE OF 2.0 MM THICK

30X70 FRP SUPPORT-02 NOS

CU BUSBAR (SILVER PLATED JOINTS)SIZE-1X60X16mm PER PHASE WITH HT SLEEVE OF 2.0 MM THICK

30X70 FRP SUPPORT-02 NOS

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जहाँ तक भी संभव हो सिर्फ विनियम
जान्य तक ही सीमित है।
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क्र./No. CPRIPLSTNB.115C2370267

दिनांक/Dated

परीक्षण इंजीनियर / Test Engineer

ELENTRIC INDUSTRIES PVT. LTD

KENDUKUCHI CHOWK, PALASBARI ROAD, BHATTA PARA
GUWAHATI-78107, ASSAM

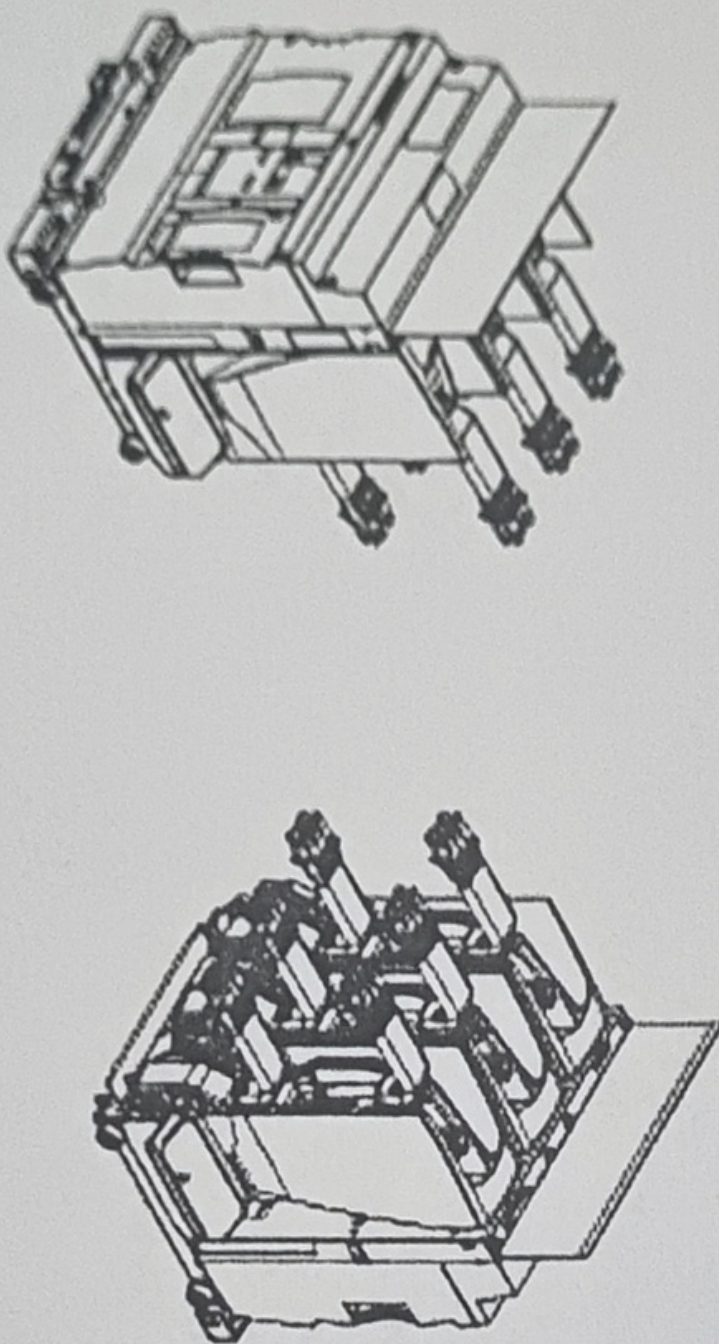
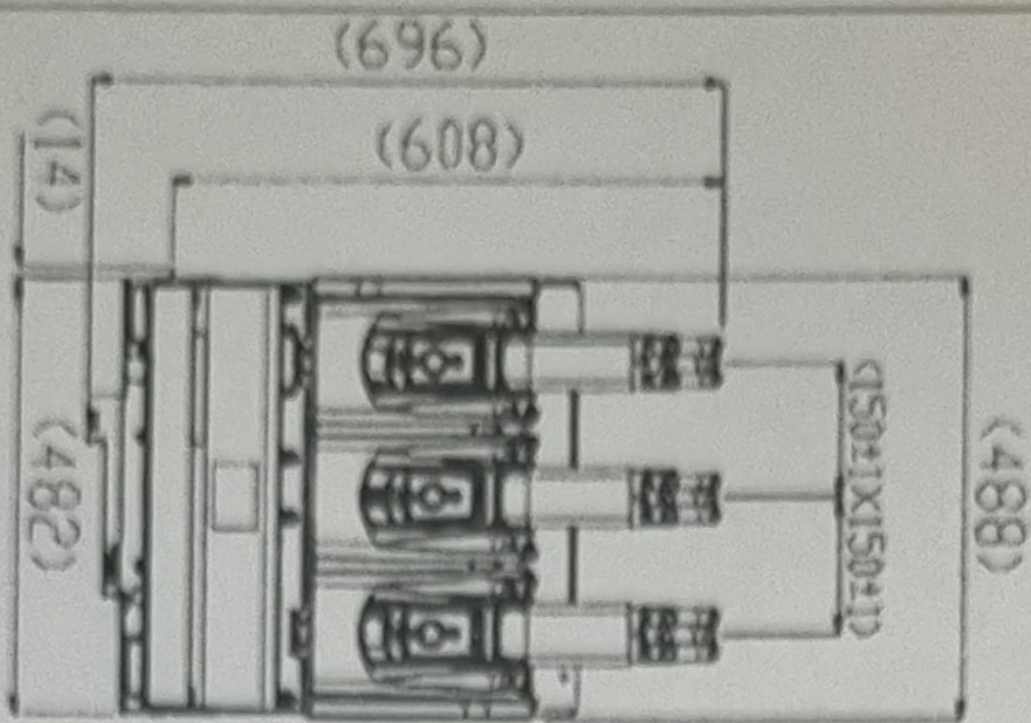
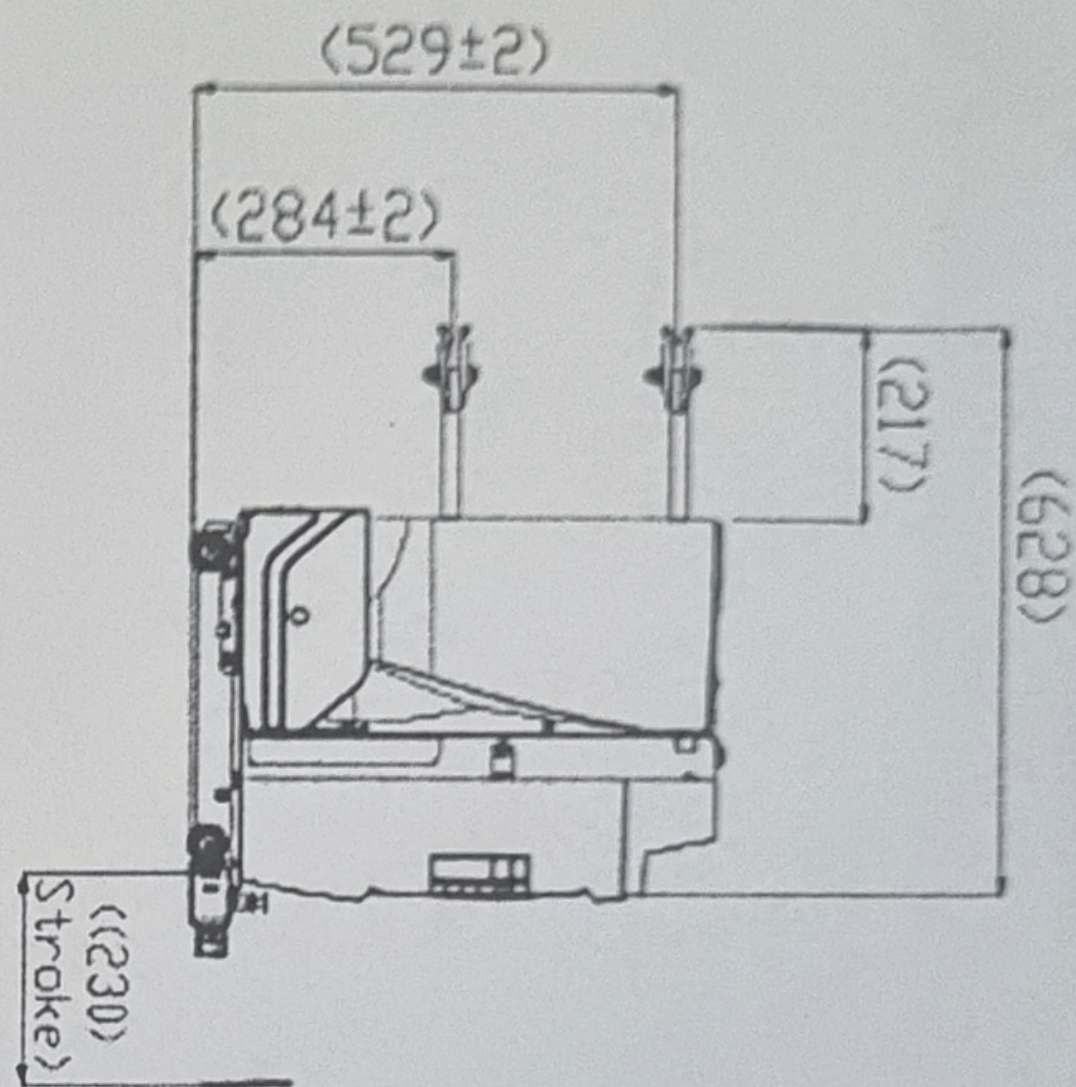
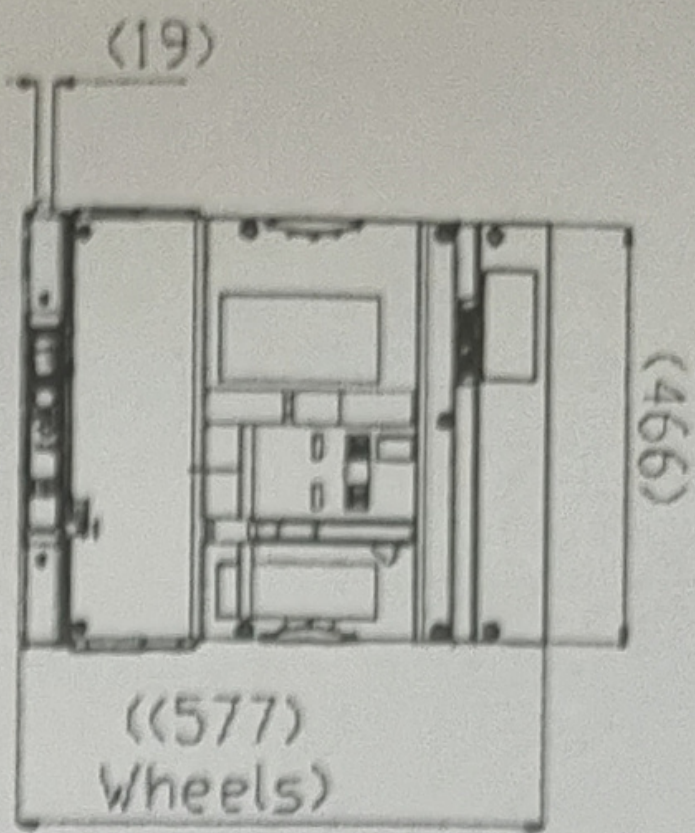
GA OF 12KV, 1250A 26.3KA VCB PANEL FOR
STC TYPE TESTING

REV.	DATE	REV.	DATE	REV.	DATE
01	DRAWN-S.M		DRAWN		DRAWN
REVISED AS PER COMMENTS FROM CPRI BHOPAL					
REV.	DATE	REV.	DATE	REV.	DATE
	DRAWN		DRAWN		DRAWN

CUSTOMER :-

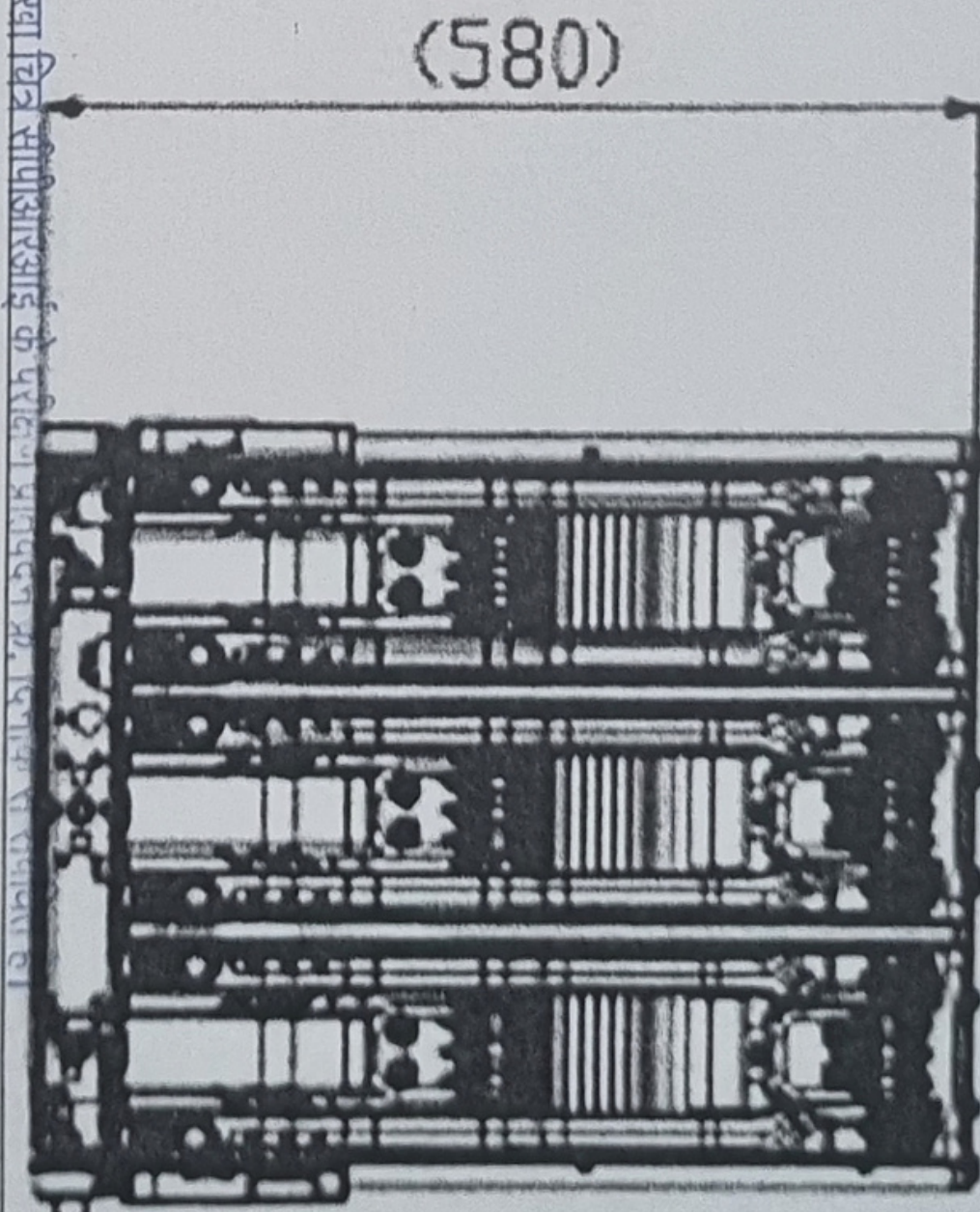
GENERAL TOLERANCES AS PER IS 2102 LINEAR & ANGULAR DIMENSIONS WITHOUT INDIVIDUAL TOLERANCES INDICATIONS	
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UNSPECIFIED RADIUS OF EXTERNAL & INTERNAL CORNERS SHOWN SQUARE ± 0.5 TO 1 mm	
ALL SHARP CORNERS TO BE FREE FROM BURRS	SCALE

DRAWN	NAME	DATE	DRAWING NO.	REV.
CHECKED	SM	17/07/23	ELENTRIC/23-24/STC-VCB/CPRI/GA	01
APPROVED	AC	18/07/23		
SHEET - 2 OF 2				



W/D CB 12kv Variant

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क्र./No. CPRI/PLSTNB. 115002370267
दिनांक/Dated

परीक्षण इंजीनियर / Test Engineer

[Signature]

ELENTRIC INDUSTRIES PVT. LTD
KENDUKUCHI CHOWK, PALASBARI ROAD, BHATTA PARA
GUWAHATI-78107, ASSAM
GA OF 12KV, 1250A 26.3KA VCB TYPE: EASYPACT EXE
MAKE : SCHNEIDER ELECTRIC, INDIA

GENERAL TOLERANCES AS PER IS 2102
LINEAR & ANGULAR DIMENSIONS WITHOUT
INDIVIDUAL TOLERANCES INDICATIONS

PERMISSIBLE DEVIATIONS LINEAR AS PER BASIC SIZE	PERMISSIBLE DEVIATIONS FOR RANGES OF LENGTHS IN mm OF SHORTER SIZE OF ANGLE CONCERNED
0 TO 10 mm ± 0.5	0-10mm ± 1°-30'
10 TO 50 mm ± 1	10-50mm ± 1°
50 TO 100 mm ± 1.5	50-250mm ± 0.30'
100 TO 500 mm ± 2	

UNSPECIFIED RADIUS OF EXTERNAL & INTERNAL
CORNERS SHOWN SQUARE = 0.5 TO 1 mm

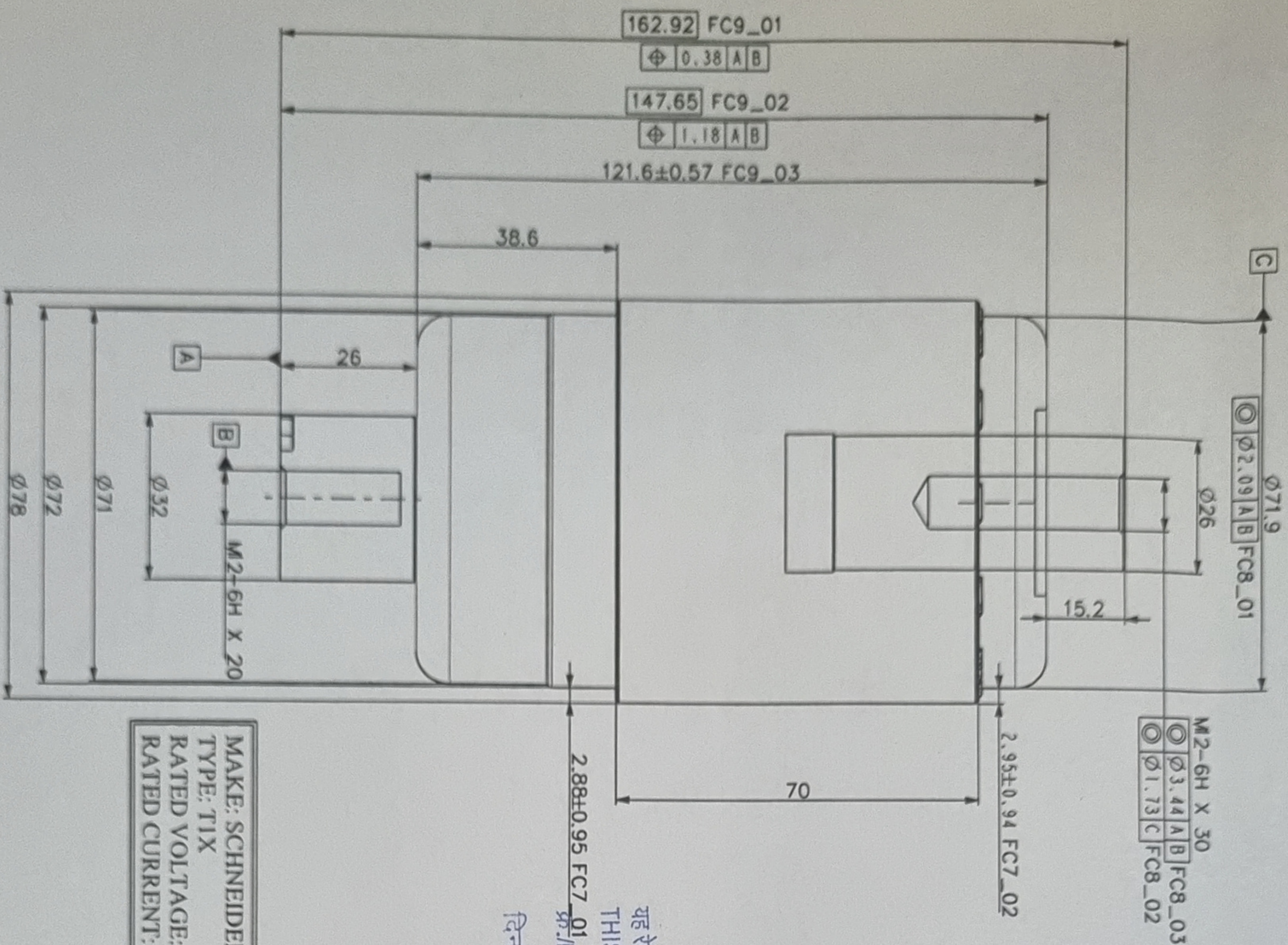
ALL SHARP CORNERS TO BE
FREE FROM BURRS

SCALE

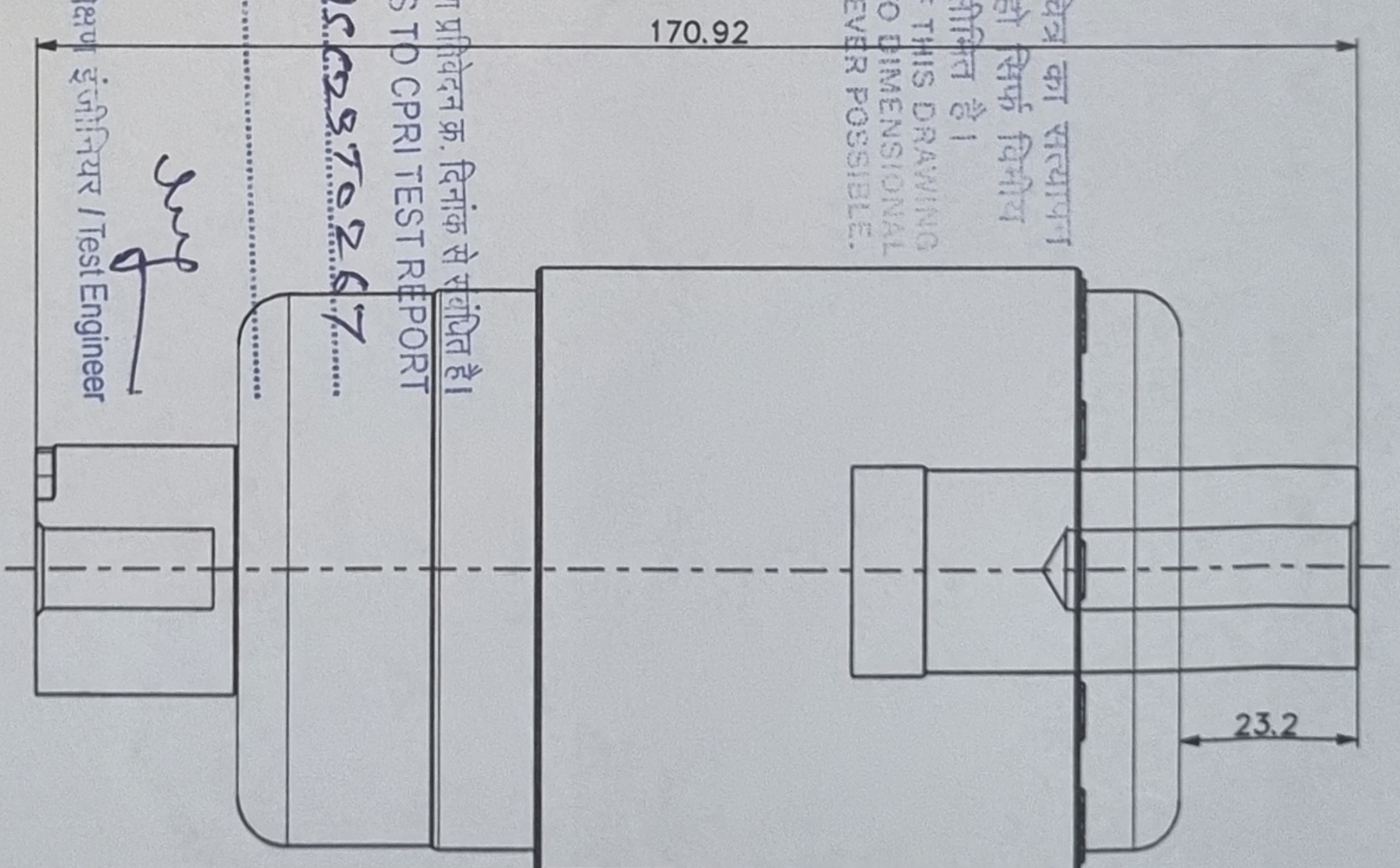
[Scale Symbol]

REV.	DATE	REV.	DATE	REV.	DATE
DRAWN		DRAWN		DRAWN	
REV.	DATE	REV.	DATE	REV.	DATE
DRAWN		DRAWN		DRAWN	

NAME	DATE	DRAWING NO.	REV.
DRAWN	17/07/23	MV12KV263VCB	00
CHECKED	17/07/23		
APPROVED	18/07/23		



के.वि.अ.सं. द्वारा रेखाचित्र का सत्यापन
जहाँ तक भी संभव हो स्पर्क विधिय
जांच तक ही सीमित है।
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यह रेखा चित्र सीपीआरआई के परीक्षण प्रातिवेदन क्र. दिनांक से संबंधित है।
THIS DRAWING PERTAINS TO CPRI TEST REPORT
क्र. No. CPRI BPLSTNB. 11500370267
दिनांक/Dated

परीक्षा इंजीनियर / Test Engineer

VI IN OPENED POSITION (CONTACT STROKE = 8mm)

MAKE: SCHNEIDER ELE
TYPE: T1X
RATED VOLTAGE: 12KV
RATED CURRENT: 1250A

NOTE-
VACUUM INTERRUPTER SL. NOS: a) R:-1722122050
b) Y:-1722123050
c) B:-1722131050



Scale: 1.00

Technical Specification:

Units of measure:

Schneider
Electric

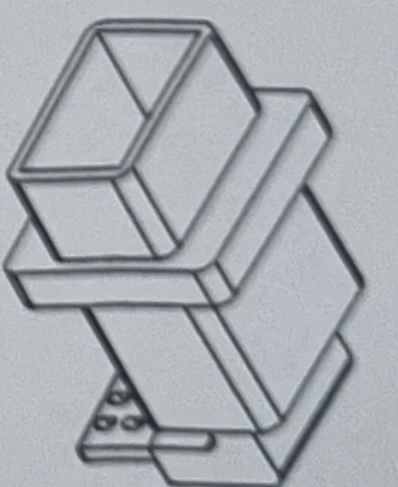
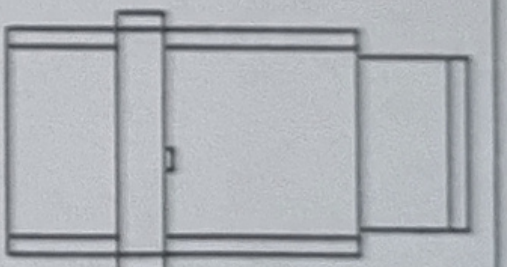
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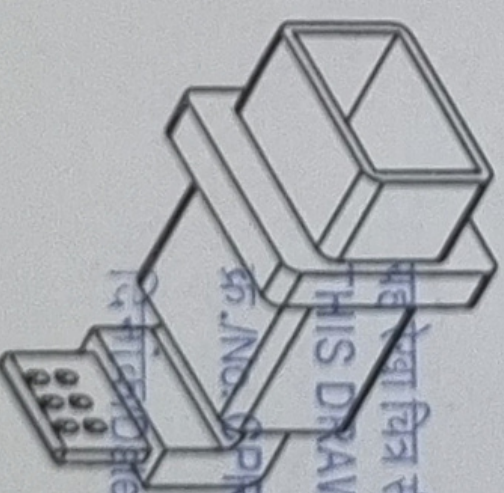
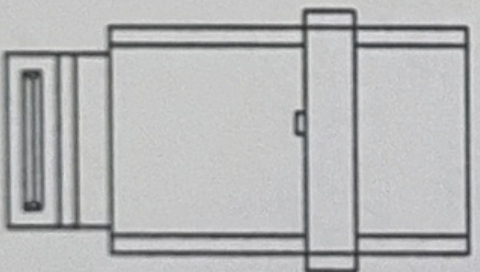
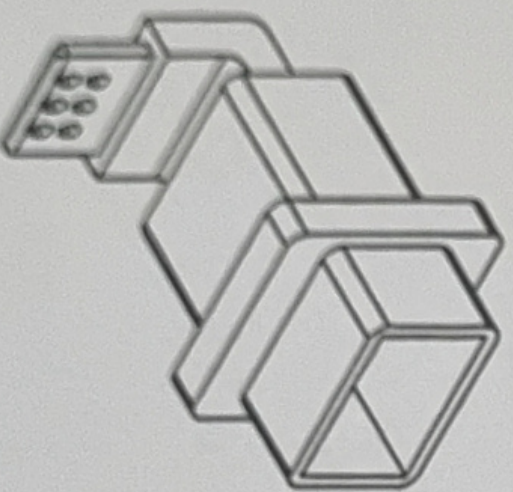
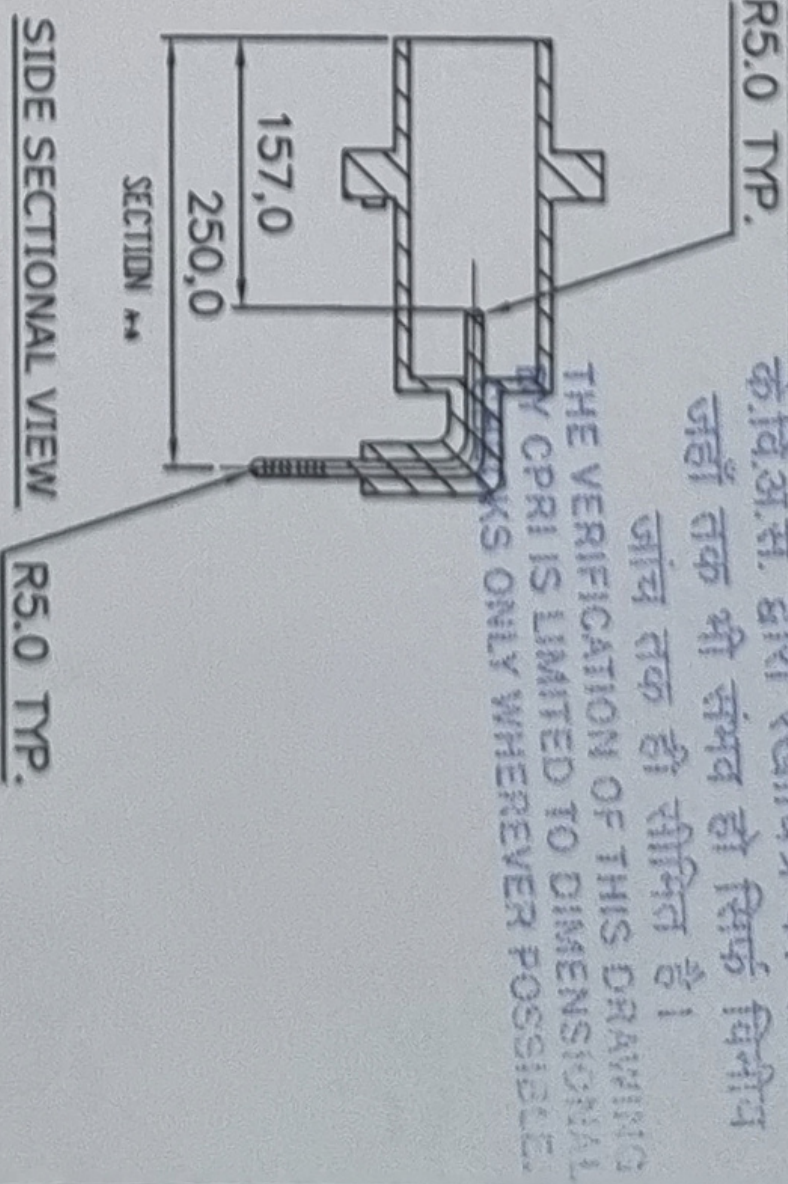
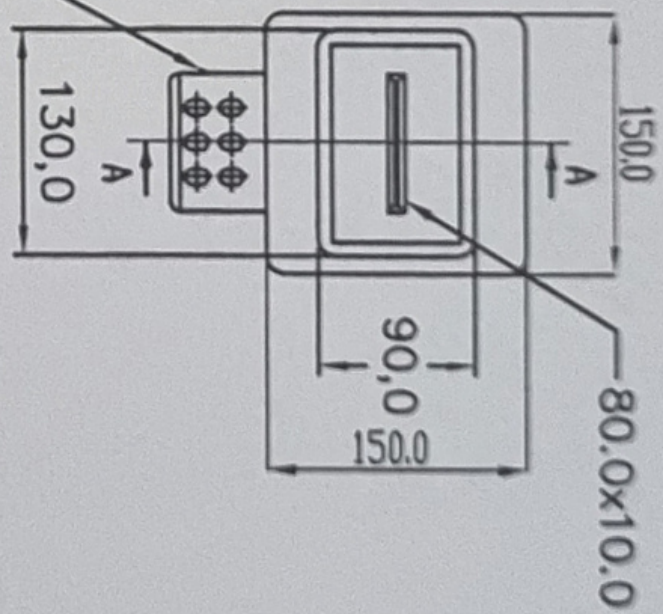
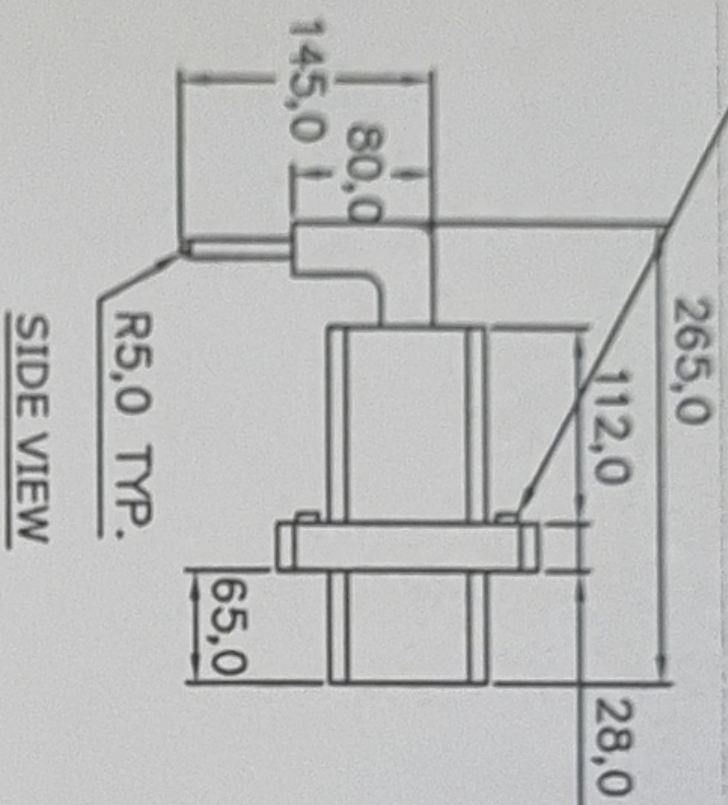
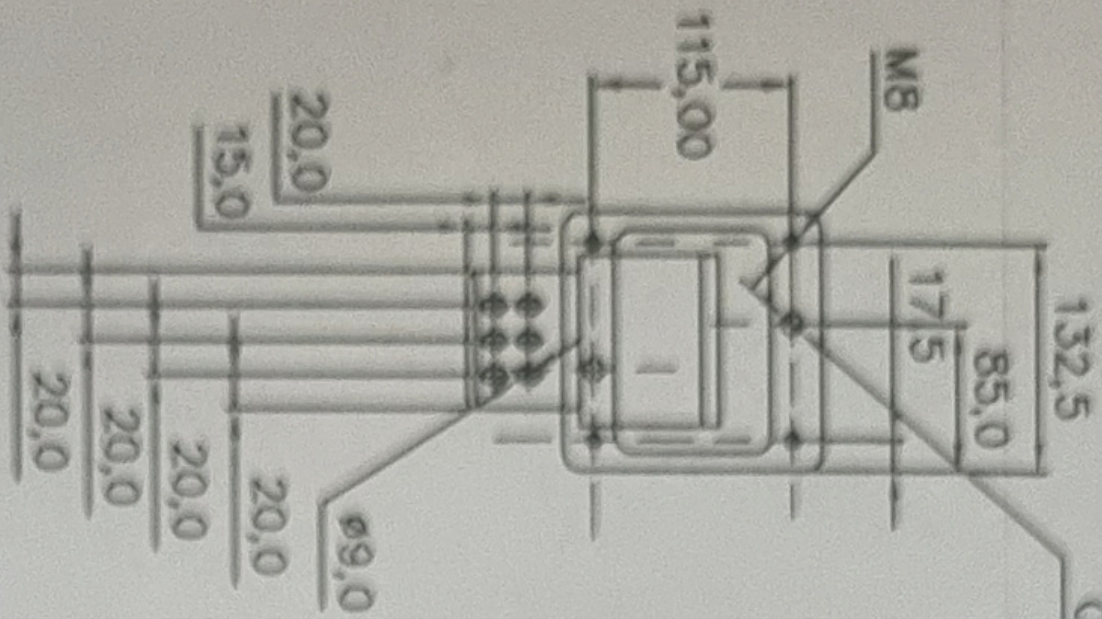
Creation
Printed on 2017/01/20

Doc. Rev.	Sheet:
07	1/1

VI IN CLOSED POSITION



2 NOS Ø12.0 PIN STAND
OUT 5.0MM AS SHOWN



R, Y, B PHASE

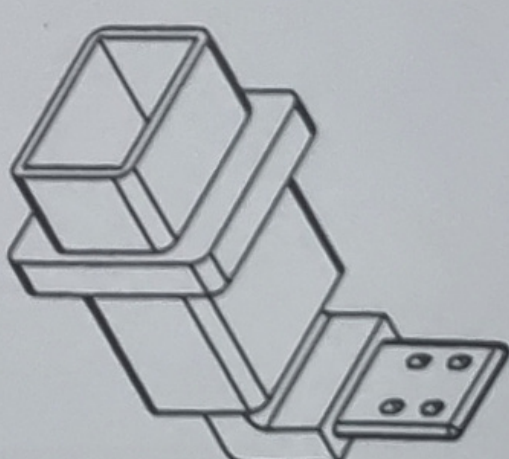
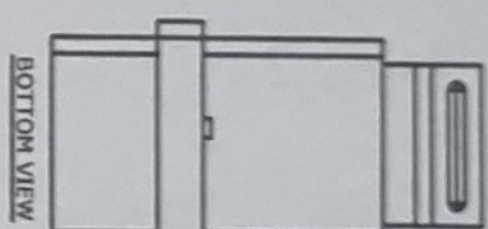
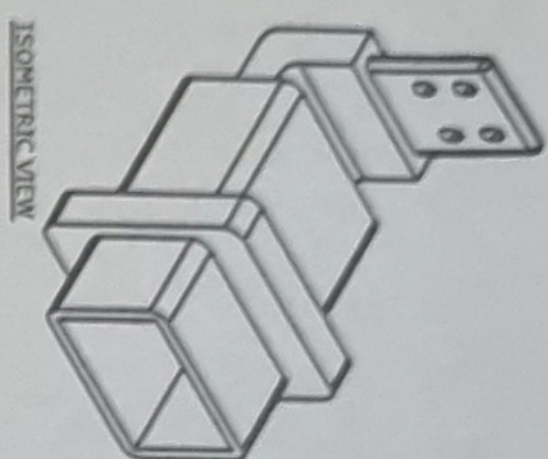
QTY: 1 SET= 3 NOS.

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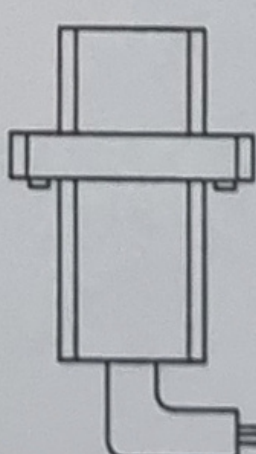
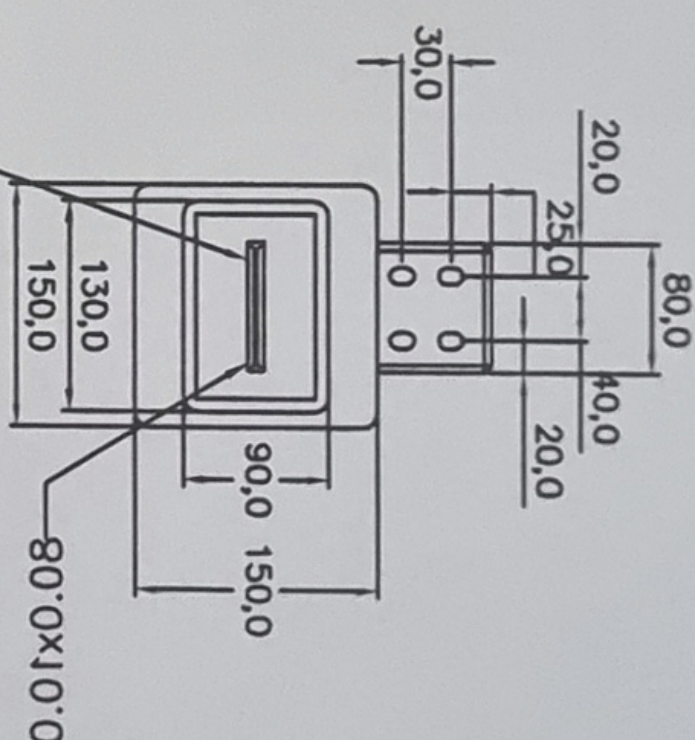
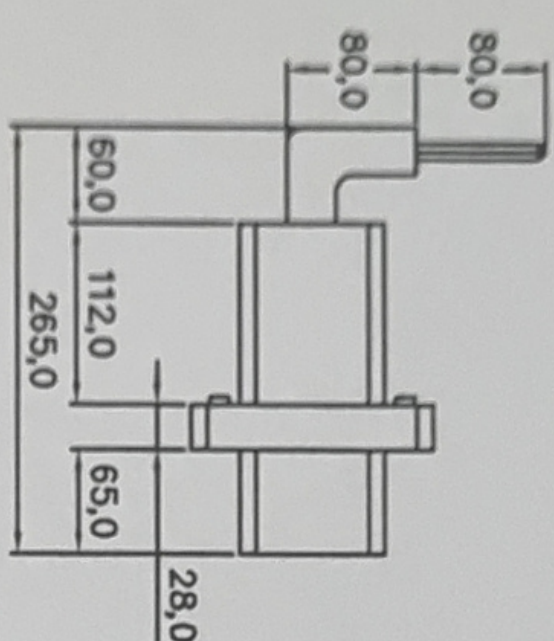
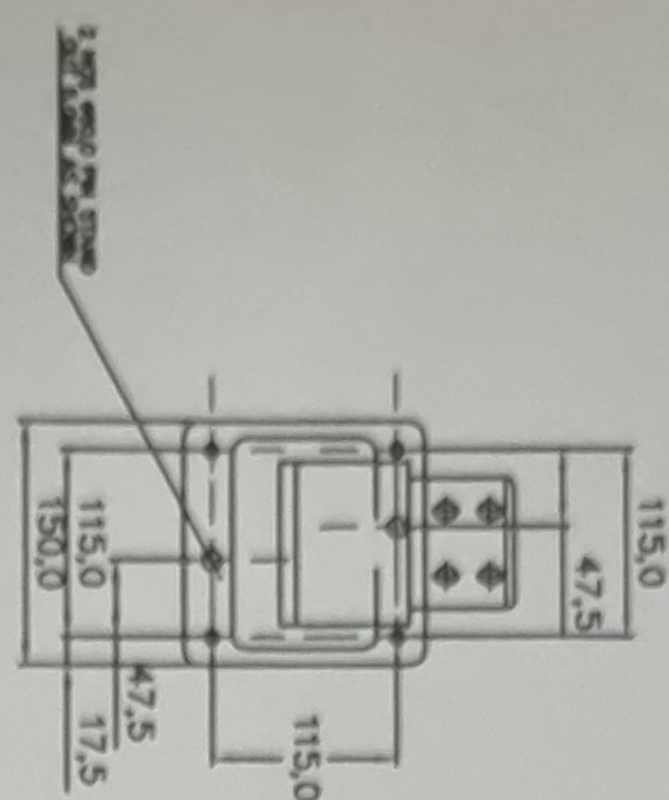
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DRAWING		DRAWING	

GENERAL TOLERANCES AS PER IS 2102 LINEAR & ANGULAR DIMENSIONS WITHOUT INDIVIDUAL TOLERANCE INDICATIONS	PERMISSIBLE DEVIATIONS AS PER IS 2102
ALL DIMENSIONS TO BE FREE FROM BURN	PERMISSIBLE DEVIATIONS FOR RANGE OF LENGTHS IN mm OF SHANK SIZE OF ANGLE CONCERNED
UNDEVELOPED RADII OF EXTERNAL & INTERNAL CORNERS SHOWN SQUARE: 0.5 TO 1.0mm	0-10mm ±1°-30' 10-50mm ±1° 50-250mm ±0.50°

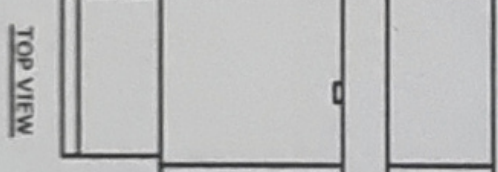
ELENTRIC INDUSTRIES PVT. LTD			
KENDUKUCHI CHOWK, PALASBARI ROAD, BHATTA PARA			
GUWAHATI-78107, ASSAM			
CIRCUIT SPOUT BUSHING			
DRAWN	NAME	DATE	DRAWING NO.
CHECKED	SM	17/07/23	ELENTRIC11KV0033
APPROVED	AC	17/07/23	SHEET - 1 OF 1
	AC	18/07/23	REV.
			00



ISOMETRIC VIEW के वि.अ.सं. द्वारा रेखाचित्र का सत्यापन
जहाँ तक भी संभव हो सिर्फ विभीष
जांच तक ही सीमित है।
THE VERIFICATION OF THIS DRAWING
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CHECKS ONLY WHEREVER POSSIBLE



**COPPER CONDUCTOR,
SILVER PLATED**



R PHASE

REV.	DATE	REV.	DATE	REV.	DATE
	DRAWN		DRAWN		DRAWN

[illegible]

GENERAL TOLERANCES AS PER IS 2102
LINEAR & ANGULAR DIMENSIONS WITHOUT
INDIVIDUAL TOLERANCES INDICATIONS

PERMISSIBLE DEVIATIONS LINEAR
AS PER BASIC SIZE

0 TO 10 mm ± 0.5
10 TO 50 mm ± 1
50 TO 100 mm ± 1.5
100 TO 250 mm ± 2

PERMISSIBLE DEVIATIONS
FOR RANGES OF LENGTHS
IN mm. OF SHORTER SIZE
OF ANGLE CONCERNED

0-10mm $\pm 1^{\circ}$ -30°
10-50mm $\pm 1^{\circ}$
50-750mm $\pm 0.30^{\circ}$

UNSPECIFIED RADIUS OF EXTERNAL & INTERNAL CORNERS SHOWN SQUARE = 0.5 TO 1 mm

ALL BUMP CORNERS TO BE
FREE FROM BUBBLS

SCALE



ELENTRIC INDUSTRIES PVT. LTD
KENDUKUCHI CHOWK, PALASBARI ROAD, BHATTA PARA
GUWAHATI-78107, ASSAM

BUSBAR SPOUT BUSHING-R PHASE

		DRAWING NO.	REV.
	NAME	DATE	
DRAWN	SM	17/07/23	
CHECKED	AC	17/07/23	00
APPROVED	AC	18/07/23	

ELECTRIC1KV0032A
SHEET - 1 OF 3

यह देख बिजली की धारा
THAS D RAWNAG
क. आ. च. ना. स. प.
दिनांक Dated
ISOMETRIC VIEW

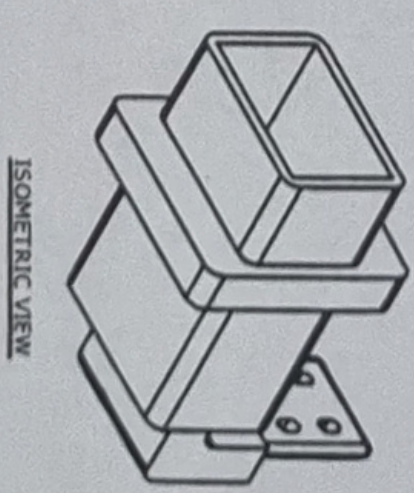
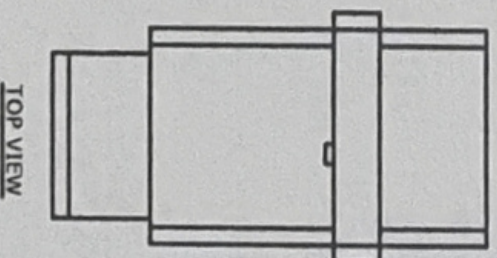
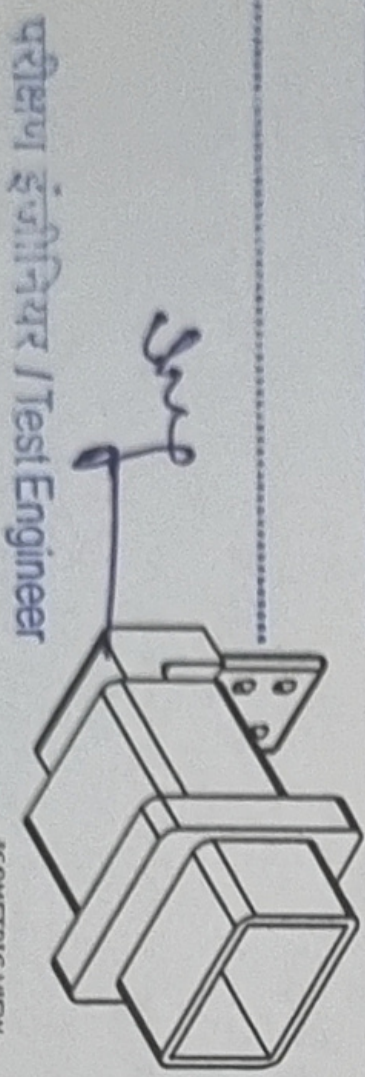
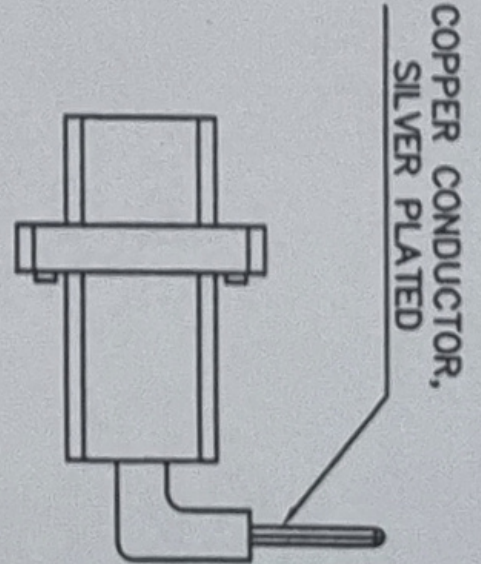
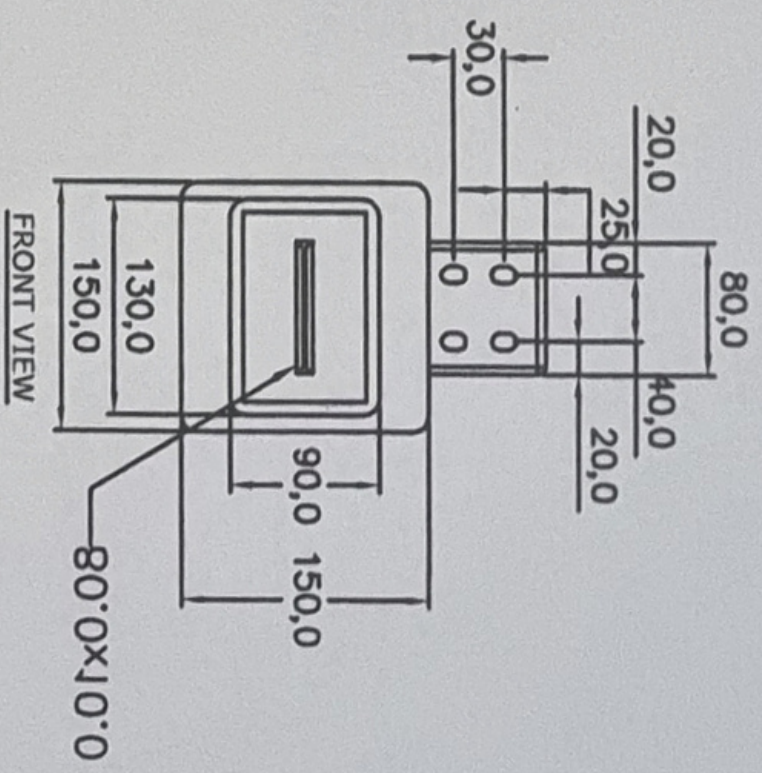
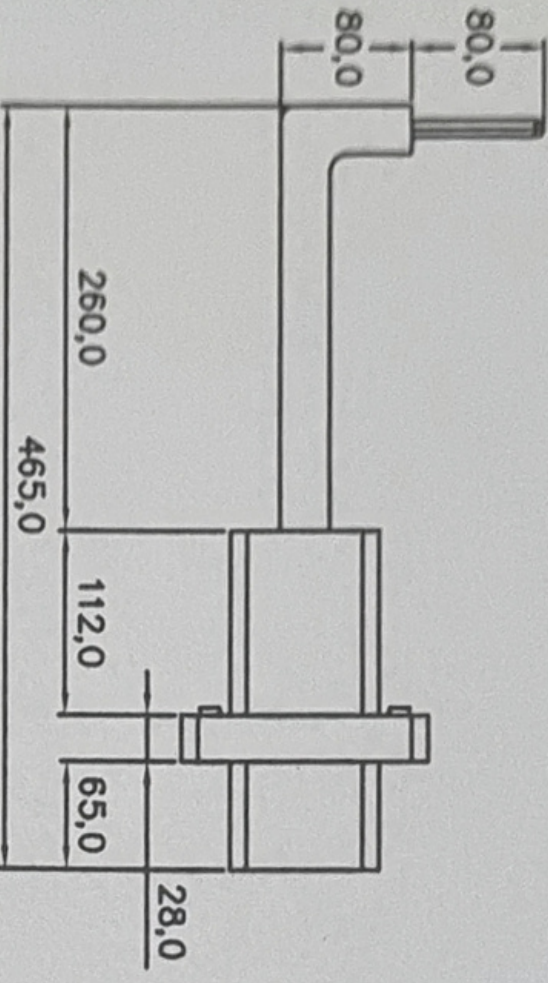
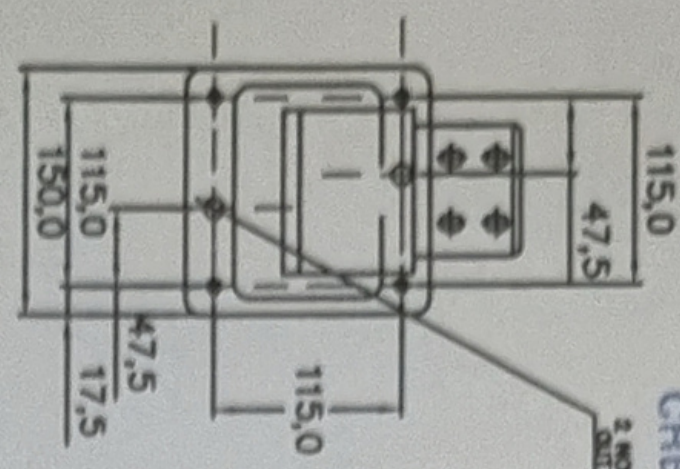
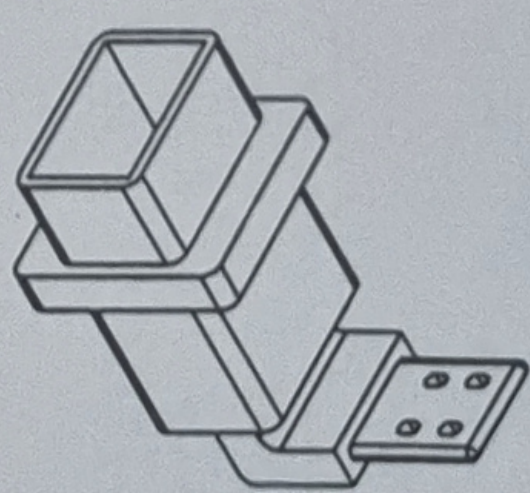
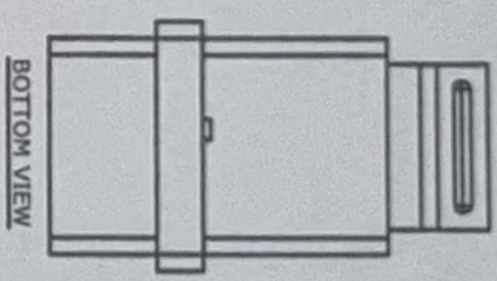
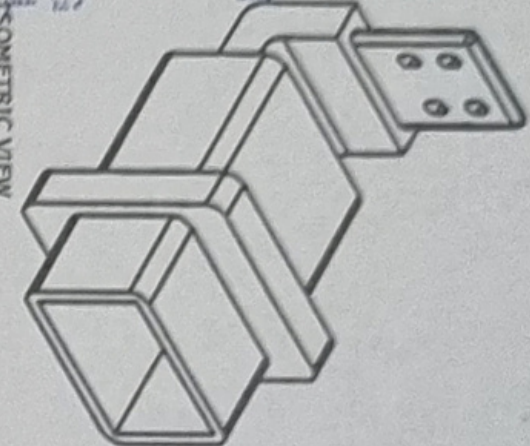
Isometric View

परीक्षण इंजीनियर / Test Engineer

9

के.वि.अ.सं. द्वारा रेखाचित्र का सत्यापन
जहाँ तक भी संभव हो सिर्फ विषय
जांच तक ही सीमित है।

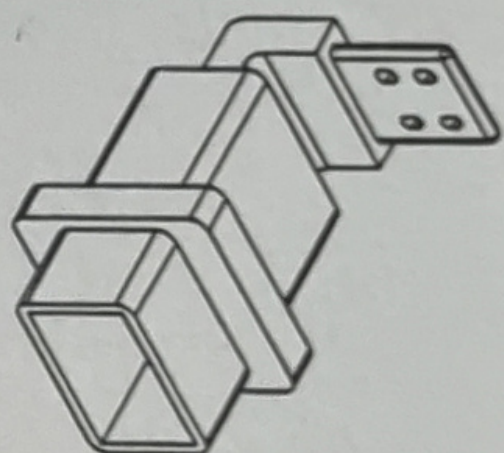
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Y PHASE

यह रेखाचित्र सत्यापन के परीक्षण प्रविष्टि क्र. दिनांक से संबंधित है।
THIS DRAWING PERTAINS TO CPRI TEST REPORT
क्र. No. CPRI/PLSTNB/MISC/2370267
दिनांक/Dated

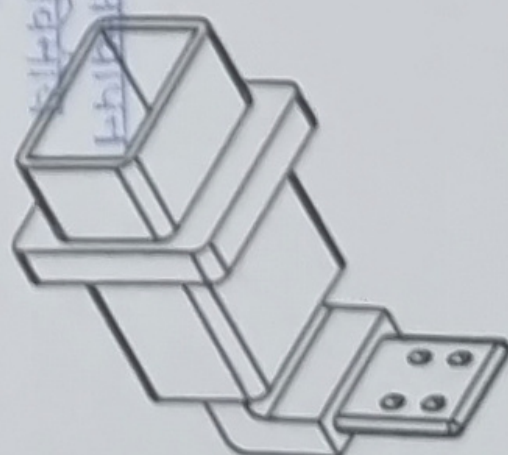
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GENERAL TOLERANCES AS PER IS 2102 LINEAR & ANGULAR DIMENSIONS WITHOUT INDIVIDUAL TOLERANCES INDICATIONS						
PERMISSIBLE DEVIATIONS LINEAR AS PER BASIC SIZE			PERMISSIBLE DEVIATIONS FOR RANGES OF LENGTHS IN mm OF SHORTER SIZE OF ANGLE CONCERNED			
0 TO 10 mm ± 0.5 10 TO 50 mm ± 1 50 TO 100 mm ± 1.5 100 TO 300 mm ± 2			0-10mm $\pm 1^{\circ}$ -30' 10-50mm $\pm 1^{\circ}$ 50-250mm $\pm 0.50^{\circ}$			
UNSPECIFIED RADIUS OF EXTERNAL & INTERNAL CORNERS SHOWN SQUARE=0.5 TO 1 mm						
ALL SHARP CORNERS TO BE FREE FROM BURRS			SCALE			
DRAWING NO. REV.						
ELECTRIC INDUSTRIES PVT. LTD KENDUKUCHI CHOWK, PALASBARI ROAD, BHATTA PARA GUWAHATI-78107, ASSAM						
BUSBAR SPOUT BUSHING-Y PHASE						
DRAWN			NAME		DATE	
CHECKED			SM		17/07/23	
APPROVED			AC		17/07/23	
			AC		18/07/23	
ELECTRIC11KV0032B SHEET - 2 OF 3						
00						



ISOMETRIC VIEW



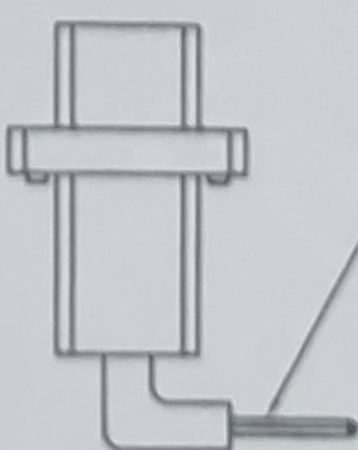
BOTTOM VIEW



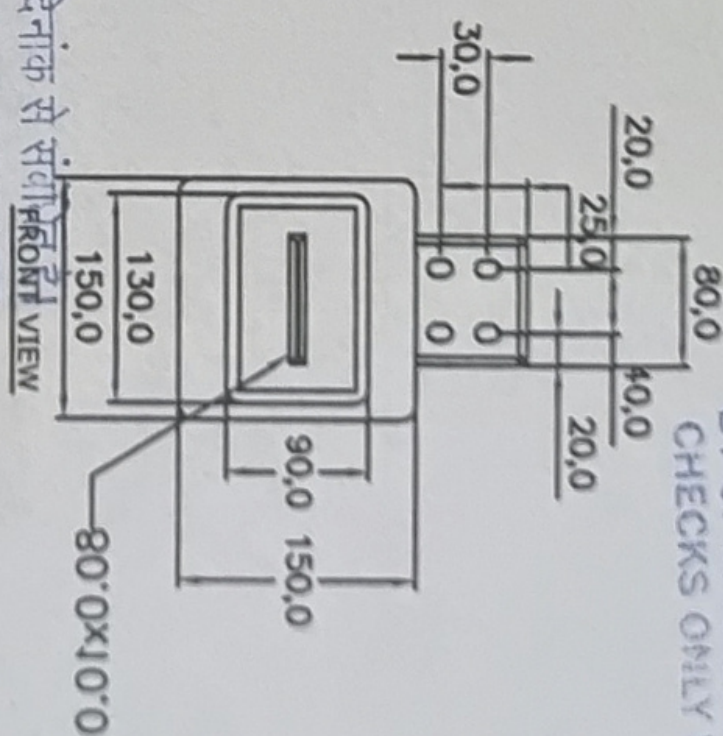
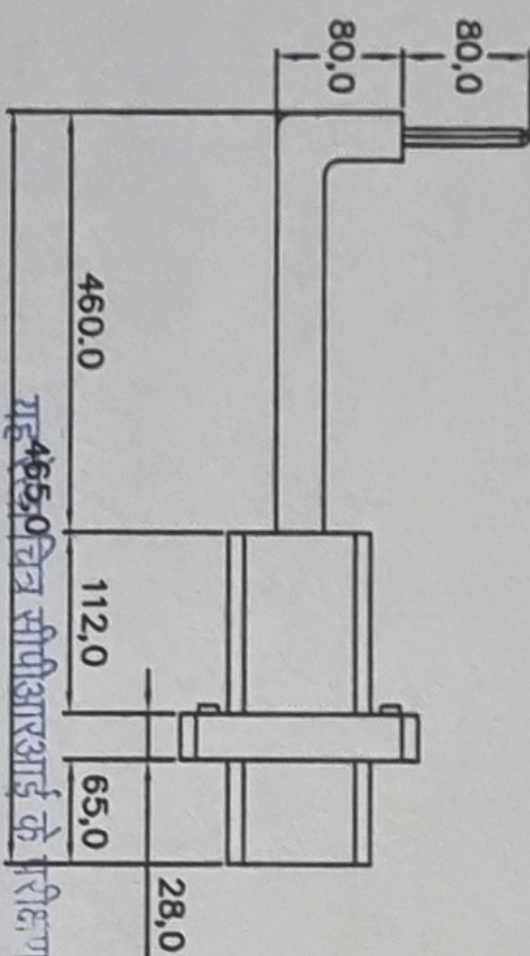
ISOMETRIC VIEW

के.वि.अ.सं. द्वारा रेखाचित्र का सत्यापन
उहाँ तक भी संभव हो सिक विनाश
जोय तक ही सीमित है।
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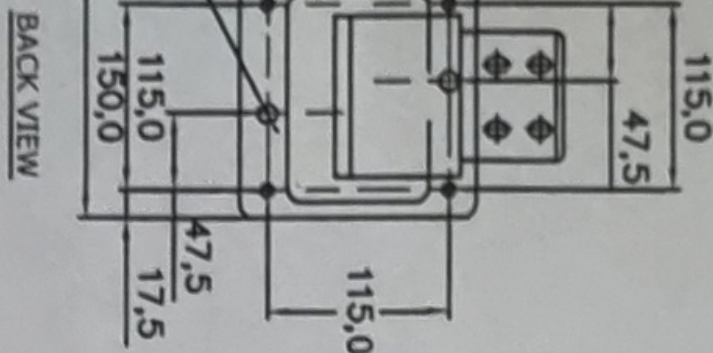
COPPER CONDUCTOR,
SILVER PLATED



SIDE VIEW



FRONT VIEW



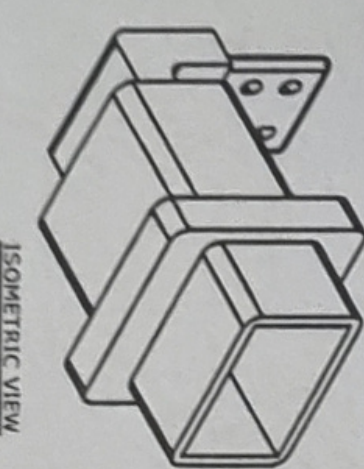
BACK VIEW

ग्राहक/निर्देशन के अनुसार प्रतिवेदन क्र. दिनांक से संबंधित है।
THIS DRAWING PERTAINS TO CPRI TEST REPORT
क्र./No. CPRI/PLSTNB/MS/23/0267

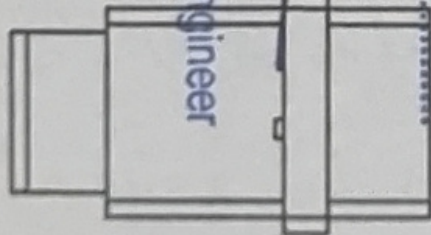
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2023

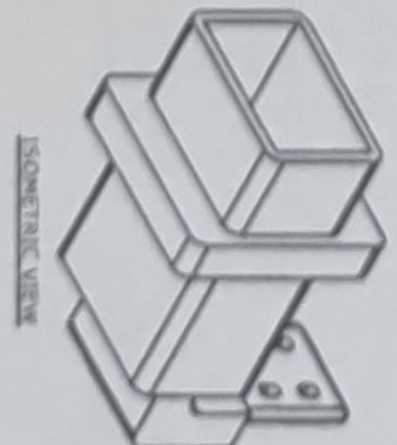
परीक्षण इंजीनियर / Test Engineer



ISOMETRIC VIEW



TOP VIEW



ISOMETRIC VIEW

B PHASE

REV.	DATE	REV.	DATE
DRAWN		DRAWN	

REV.	DATE	REV.	DATE
DRAWN		DRAWN	

ELENTRIC INDUSTRIES PVT. LTD
KENDUKUCHI CHOWK, PALASBARI ROAD, BHATTA PARA
GUWAHATI-78107, ASSAM

BUSBAR SPOUT BUSHING-B PHASE

PERMISSIBLE DEVIATIONS LINEAR AS PER BASIC SIZE	PERMISSIBLE DEVIATIONS FOR RANGES OF LENGTHS IN mm OF SHORTER SIZE OF ANGLE CONCERNED
0 TO 10 mm ± 0.5 10 TO 50 mm ± 1 50 TO 100 mm ± 1.5 100 TO 300 mm ± 2	0-10mm $\pm 1^{\circ}$ 10-50mm $\pm 1^{\circ}$ 50-250mm $\pm 0.5^{\circ}$
UNSPECIFIED RADIUS OF EXTERNAL & INTERNAL CORNERS SHOWN SQUARE ± 0.5 TO 1 mm	
ALL SHARP CORNERS TO BE FREE FROM BURRS	SCALE

NAME	DATE	DRAWING NO.	REV.
SM	17/07/23	ELENTRIC11KV0032C	00
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