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

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TEST REPORT

SHEET 1 OF 9

NAME & ADDRESS OF CUSTOMER SUPREME ELECTRICALS PRIVATE LIMITED F-409 (b), Road No. 14, V.K.I. Area, Jaipur-302013	REPORT NO.: RP-1617-041701 DATE: 13.12.2016	
	CUSTOMER REF. No.: Nil	DATED: 17.10.2016
	DATE OF SAMPLE RECEIPT: 19.10.2016	DATE OF TESTING: 24.10.2016 to 21.11.2016
	SAMPLE DESCRIPTION 100 kVA Distribution Transformer 11000/433 Volts, 5.25/133.34 Amp., Oil filled, 3 Star, Vector Group: Dyn-11, ENERGY EFFICIENCY LEVEL: 1 Further details as per sheet No. 3 of 9.	
SAMPLE IDENTIFICATION ERDA SAMPLE CODE NO.: ERDA-00164567 SERIAL NO.: 25499 DRAWING NO.: NP/100/01 100/OL/3STAR/1 100/CC/3STAR/2 YEAR OF MFG.: 2016		
TEST DETAILS Short-circuit withstand test (Cl. No. 17 & 21.3 c)		TEST SPECIFICATIONS IS 1180 (Part 1): 2014
ENCLOSURES: Number of oscillograms : Eleven Number of photograph : One Number of test circuit diagram : One Number of drawings : Three		
REMARKS: The sample conforms to the requirements of standard for Short-circuit withstand test.		
 PREPARED BY	 CHECKED BY	 APPROVED BY J. R. Tahilwani

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REPORT NO.: RP-1617-041701

SHEET 2 OF 9

DATE: 13.12.2016

Contents	
1. Technical specifications of test object assigned by customer	Sheet No. 3 of 9
2. Routine test results before short circuit	Sheet No. 4 of 9 to 5 of 9
3. Short-circuit withstand test	Sheet No. 6 of 9 to 7 of 9
4. Routine test results after short circuit	Sheet No. 8 of 9 to 9 of 9
5. Oscillogram No.	1162/01 to 1162/11
6. Photograph No.	1617-012538/1004
7. Test circuit diagram No.	OLSC/DTC/01
8. Drawing No.	NP/100/01 100/OL/3STAR/1 100/CC/3STAR/2

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CHECKED BY

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REPORT NO.: RP-1617-041701

SHEET 3 OF 9

DATE: 13.12.2016

TECHNICAL SPECIFICATIONS OF TEST OBJECT ASSIGNED BY CUSTOMER

1. Name of manufacturer	: SUPREME ELECTRICALS PRIVATE LIMITED
2. Equipment	: 100 kVA Distribution Transformer
3. Energy efficiency level	: 1
4. Standard No.	: (Cl. No. 17 & 21.3 c) of IS 1180 (Part 1): 2014
5. Serial No.	: 25499
6. Type	: Outdoor, Oil Cooled, 3 Star
7. kVA rating	: 100
8. Rated voltage H.V. (Volts)	: 11000
L.V. (Volts)	: 433
9. Rated current H.V. (Amp.)	: 5.25
L.V. (Amp.)	: 133.34
10. Number of phases	: 3
11. Connection H.V./L.V.	: Delta/Star
12. Frequency (Hz.)	: 50
13. Type of cooling	: ONAN
14. Temperature rise of oil	: 35°C
15. Percentage Impedance	: 4.5 %
16. Primary winding conductor	: DPC Aluminium wire, bare dia. 2.03mm
17. Secondary winding conductor	: DPC Aluminium strip, bare size (12mm x 3.2mm) x 3 Nos. in parallel
18. Quantity of oil (Litre)	: 210
19. Weight of oil (kg.)	: 172
20. Weight of core and winding (kg.)	: 347
21. Total weight (kg.)	: 670
22. Vector group	: Dyn-11
23. Year of manufacture	: 2016
24. Insulation level H.V.	: 28 kVrms
25. Insulation level L.V.	: 3 kVrms
26. Total losses at 75°C (Watts)	: 520 Max. (at 50 % load)
27. Total losses at 75°C (Watts)	: 1800 Max. (at 100 % load)


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TEST REPORT

ULR-TC538922000026954F

Sheet : 1 OF 34

NAME AND ADDRESS OF CUSTOMER Supreme electricals private limited. F-409(B), Road No.14, V.K.I. Area, Jaipur-302013 Rajasthan, India.	REPORT NO.: RP-2223-021713 DATE OF ISSUE: 08/10/2022	
	CUSTOMER REF. NO. Letter	DATED: 12/07/2022
	DATE OF SAMPLE RECEIPT: 13/07/2022	DATE OF TESTING: 04/08/2022 to 24/09/2022
	SAMPLE DESCRIPTION 100 kVA Distribution Transformer (Non-Sealed type) 11000/433 Volts, 5.25/133.34 Amp., Oil filled, Vector Group : Dyn-11, Energy efficiency level: 1 Further details as per sheet No. 3 OF 34.	
SAMPLE IDENTIFICATION SAMPLE CODE: 828547/2022/SS/6 QR CODE: 100000039287 ENCODED SAMPLE CODE: 22E4084 SERIAL NO.: 52323 ERDA SERIAL NO.: ERDA-00474159 YEAR OF MFG.: 2022		
TEST DETAILS As per sheet 4 OF 34. ENCLOSURES: As per sheet 2 OF 34. REMARKS: On respective sheets from 5 OF 34 to 33 OF 34.	TEST SPECIFICATIONS As per sheet 4 OF 34.	
PREPARED BY <i>Saiyed</i>	APPROVED BY 	

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TEST REPORT NO : RP-2223-021713

Sheet : 2 OF 34

DATE OF ISSUE: 08/10/2022

Enclosures				
1.	Oscillogram No.	0503/01 to 0503/11		
2.	Photograph No.	2223-004942/0531 As per sheet 34 OF 34		
3.	Test circuit diagram No.	OLSC/DTC/01		
4.	Drawing No.	Issue Status		Description
		Revision	Date	
	SE/RP/09	00	30.05.22	RATING AND DIAGRAM PLATE
	SE/GA/09	00	30.05.22	OUTLINE GENERAL ARRANGEMENT DETAILS
	SE/IC/09	00	30.05.22	CORE & COIL ASSEMBLY DETAILS

PREPARED BY

CHECKED BY



TC 3365235



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REPORT NO : RP-2223-021713

Sheet : 3 OF 34

DATE OF ISSUE: 08/10/2022

TECHNICAL SPECIFICATIONS OF TEST OBJECT ASSIGNED BY CUSTOMER

1. Name of manufacturer : **As mentioned on SHEET 1 OF 34**
2. Equipment : **100 kVA Distribution Transformer**
3. Standard No. : As per customer's requirement,
IS 2026, IS 1180 (Part 1): 2014
[Amendment No. 1, 2, 3 & 4]
4. Serial No. : 52323
5. Energy efficiency level : 1
6. Type : Outdoor, Oil filled, Non Sealed Type,
Aluminium wound, Amorphous core,
Non-Circular coil
7. kVA rating : 100
8. Rated voltage H.V. (Volts) : 11000
L.V. (Volts) : 433
9. Rated current H.V. (Amp.) : 5.25
L.V. (Amp.) : 133.34
10. Number of phases : 03
11. Connection H.V./L.V. : Delta/Star
12. Frequency (Hz.) : 50
13. Type of cooling : ONAN
14. Temperature rise of oil/winding : 35°C/40°C
15. Percentage Impedance : 4.50 %
16. Type of winding : Concentric
17. Primary winding conductor : SE Aluminium wire, bare dia. 1.60mm
18. Secondary winding conductor : DPC Aluminium strip, bare size
(9.5mm x 3.5mm) x 3 Nos. in parallel
19. Quantity of oil (Liter) : 154
20. Weight of oil (kg.) : 128
21. Weight of core and winding (kg.) : 316
22. Total weight (kg.) : 604
23. Vector group : Dyn-11
24. Year of manufacture : 2022
25. Insulation level H.V. : 75 kVp / 28 kVrms
26. Insulation level L.V. : --- / 03 kVrms
27. Max. Total losses at 75°C (Watts) : 475 (at 50 % load)
28. Max. Total losses at 75°C (Watts) : 1650 (at 100 % load)

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