



1.0 DESCRIPTION: .050 KVA CONTROL TRANSFORMER WITH INTERNAL PRIMARY PROTECTION

2.0 DIMENSIONAL SPECIFICATIONS:

- 2.1 #18 AWG WIRE, RED SECONDARY, BLACK PRIMARY
- 2.2 WIRE LENGTHS: X1 = 11 IN., X2 = 6 IN., H1 = 12 IN., H2 = 14 IN.
- 2.3 LUGS: X1, - INSULATED PUSH ON .250 x .032, X2 - RING TYPE, #10 STUD
H1, H2 - NO LUG, STRIPPED 1/2 IN.
- 2.4 1/2" MINIMUM SPACING BETWEEN ADJACENT LEADS AND BETWEEN LEADS AND GROUND MEASURED ON COIL SURFACE.
- 2.5 MOUNTING HOLES MUST ACCEPT .188 DIA. PINS ON 3.562 CENTERS

3.0 MATERIALS:

- 3.1 WIRE TO BE 130°C CLASS B NYLON POLYURETHANE
- 3.2 CLASS F (155°C) VARNISH FINISH OVER ENTIRE TRANSFORMER, TO BE APPLIED BY DIPPING OR VACUUM IMPREGNATION. BLACK FINISH OVER ENTIRE TRANSFORMER
- 3.3 MICRO DEVICE, 4000 SERIES, THERMAL CUTOFF IN SERIES WITH EACH PRIMARY LEAD SHOWN ON TABLE.
3.3.1 THERMAL CUTOFFS MOUNTED INTERNAL TO TRANSFORMER

4.0 MARKING:

- 4.1 IDENTIFY ALL LEAD WIRES 4" FROM COIL AND 4" FROM THE END OF THE WIRES.
- 4.2 NAMEPLATE TO BE OBTAINED FROM ALLEN-BRADLEY CO. OR TRANSFORMER SUPPLIER. STAMP NAMEPLATE WITH A-B PART NUMBER, PRIMARY AND SECONDARY VOLTAGES, KVA, FREQUENCY, UL RECOGNIZED TYPE DESIGNATION AND CSA FILE NUMBER.
- 4.3 MOUNT NAMEPLATE TO BE READ FROM SECONDARY SIDE.
- 4.4 MARK DATE CODE TO SHOW MONTH AND YEAR OF MANUFACTURE

REFERENCE		CONTROL TRANSFORMER		<p>THIS DRAWING IS THE PROPERTY OF THE ALLEN-BRADLEY CO. INC. AND MAY NOT BE COPIED, USED OR DISCLOSED FOR ANY PURPOSE EXCEPT AS AUTHORIZED IN WRITING BY THE ALLEN-BRADLEY CO. INC.</p> <p>LOCATION: MILWAUKEE, WISCONSIN U.S.A.</p>	
REVISION AUTHORIZATION		.050 KVA			
DIMENSIONS APPLY BEFORE SURFACE TREATMENT		Single voltage with Int. primary protection			
(DIMENSIONS IN INCHES) TOLERANCES UNLESS OTHERWISE SPECIFIED		ALLEN-BRADLEY <small>A ROCKWELL INTERNATIONAL COMPANY</small>			
4	50172-94	DR. <i>T. J. ...</i>	DATE 5/22/00	DWG. SIZE	SHEET 1 OF 2
5	2004-00	CHKD. <i>R. ...</i>	DATE 5/24/00	A	25636-166
		APPD. <i>C. ...</i>	DATE 5/30/00		

5.0 ELECTRICAL SPECIFICATIONS:

- 5.1 TEMPERATURE RISE LESS THAN 55°C AT FULL LOAD, NOMINAL VOLTS AND LOWEST RATED FREQUENCY.
- 5.2 DIELECTRIC TEST BETWEEN WINDINGS AND TO FRAME 1500 VOLTS, 60 HZ.

6.0 WINDING DATA:

- 6.1 SECONDARY TO BE INSIDE WINDING.
- 6.2 SEE TABLE FOR VOLTAGE AND FREQUENCY.

7.0 QUALITY ASSURANCE AT A-B: CHECK VOLTAGES AND HI-POT PER LINE 5.2

8.0 VENDOR MODIFICATIONS: A-B SHALL BE NOTIFIED OF ANY CHANGES IN MATERIALS OR PROCESSES WHICH COULD AFFECT THE PERFORMANCE, RELIABILITY OR PHYSICAL CHARACTERISTICS OF THIS DEVICE.

9.0 PACKAGING

SHIPPING CONTAINERS MUST BE MARKED WITH MANUFACTURER'S NAME AND PART NUMBER.

PART NO.	CHG. LTR.	PRIMARY VOLTS.	SECOND. VOLTS.	HZ	THERMOCOUPLE IN SERIES WITH:	A-B NAMEPLATE (REF. ONLY)
-01	D	480	120	60	H1, H2	43010-286-08



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REVISION AUTHORIZATION		DIMENSIONS APPLY BEFORE SURFACE TREATMENT		LOCATION: MILWAUKEE, WISCONSIN U.S.A.	
4	50172-94	(DIMENSIONS IN INCHES) TOLERANCES UNLESS OTHERWISE SPECIFIED		SHEET 2 OF 2	
5	2004-00	.XX: ±		DWG. SIZE	
		.XXX: ±		A	
		ANGLES: ±		25636-166	
DR. T. Leonard		DATE 5/22/00			
CHKD. [Signature]		DATE 5/24/00			
APPD. C. Maloney		DATE 5/30/00			