

**1.0 DESCRIPTION: .250 KVA CONTROL TRANSFORMER WITH INTERNAL PRIMARY PROTECTION**

**2.0 DIMENSIONAL SPECIFICATIONS:**

- 2.1 1/2" MINIMUM SPACING BETWEEN ADJACENT TERMINALS AND BETWEEN TERMINALS AND GROUND MEASURED ON COIL SURFACE.
- 2.2 MOUNTING SLOTS MUST ACCEPT .195 DIA. PINS ON 3.125 X 3.250 CENTERS.

**3.0 MATERIALS:**

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

REFERENCE		<b>CONTROL TRANSFORMER</b>		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.
REVISION AUTHORIZATION		.250 KVA		
2    50173-94		WITH INTERNAL PRIMARY PROTECTION		
DIMENSIONS APPLY BEFORE SURFACE TREATMENT		<b>ALLEN-BRADLEY</b> A ROCKWELL INTERNATIONAL COMPANY		
(DIMENSIONS IN INCHES) TOLERANCES UNLESS OTHERWISE SPECIFIED		DR. <i>W.J. Michels</i> DATE 4/7/94 CHKD. <i>E. [unclear]</i> DATE 4-18-94 APPD. <i>G. Bruski</i> DATE 4-19-94		LOCATION: MILWAUKEE, WISCONSIN U.S.A. DWG. SIZE <b>A</b>
.XX: ± .02 .XXX: ± .005 ANGLES: ± 1°		SHEET <b>1</b> OF <b>2</b> <b>25636-241</b>		

**4.0 MARKING:**

- 4.1 IDENTIFY ALL TERMINALS ON SIDE OF COIL.
- 4.2 NAMEPLATE TO BE OBTAINED FROM ALLEN-BRADLEY CO. OR TRANSFORMER SUPPLIER. STAMP NAME PLATE 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.

**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, 2500 VOLTS 60 HERTZ.

**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 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.	VOLTAGES		HERTZ	THERMAL C.O. SERIES TERM.	A-B NAMEPLATE (REF. ONLY)
		PRIMARY	SECONDARY			
-01	A	480	120	60	H1, H2	43010-286-10

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