



**1.0 DESCRIPTION:** .075 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	<b>CONTROL TRANSFORMER</b>			<p><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.</b></p> <p>LOCATION: MILWAUKEE, WISCONSIN U.S.A.</p>
	.075 KVA			
	Single voltage with Int. primary protection			
	<b>ALLEN-BRADLEY</b> <small>A ROCKWELL INTERNATIONAL COMPANY</small>			
REVISION AUTHORIZATION	DIMENSIONS APPLY BEFORE SURFACE TREATMENT	DR. <i>T. J. ...</i>	DATE	5/22/00
3    50171-94	(DIMENSIONS IN INCHES) TOLERANCES UNLESS OTHERWISE SPECIFIED	CHKD. <i>R. ...</i>	DATE	5/24/00
4    2002-00	.XX: ± .02	APPD. <i>C. ...</i>	DATE	5/30/00
	.XXX: ± .005			
	ANGLES: ± 1°			
		DWG. SIZE <b>A</b> SHEET <b>1</b> OF <b>2</b> <span style="font-size: large; font-weight: bold;">25636-168</span>		

**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	C	480	120	60	H1, H2	43010-286-12

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		.075 KVA			
REVISION AUTHORIZATION 3 50171-94 4 2002-00		DIMENSIONS APPLY BEFORE SURFACE TREATMENT (DIMENSIONS IN INCHES) TOLERANCES UNLESS OTHERWISE SPECIFIED .XX: ± .XXX: ± ANGLES: ±		ALLEN-BRADLEY A ROCKWELL INTERNATIONAL COMPANY	
		DR. <i>T. Ferrando</i> DATE 5/22/00 CHKD. <i>R. Smith</i> DATE 5/24/00 APPD. <i>C. Mariani</i> DATE 5/30/00		DWG. SIZE <b>A</b> SHEET <b>2</b> OF <b>2</b> <b>25636-168</b>	