


| CLASSIFICATION TABLE        |         |                         |   |   | CLASSIFICATION TABLE |   |                             |         |                         |   |   |   |   |
|-----------------------------|---------|-------------------------|---|---|----------------------|---|-----------------------------|---------|-------------------------|---|---|---|---|
| CHARACTERISTIC OR-DIMENSION | COMMENT | DRAWING LOCATION (ZONE) | P | F | A                    | R | CHARACTERISTIC OR-DIMENSION | COMMENT | DRAWING LOCATION (ZONE) | P | F | A | R |
| .083                        |         | A1                      | X |   |                      |   | 1.00 ±.06                   |         | C6                      |   | X |   |   |
| .110 MIN.                   |         | A3                      | X |   |                      |   | .88 MIN.                    |         | C7                      |   | X |   |   |
| 1.38 +.03 / -.02            |         | B1                      | X |   |                      |   | TAPE NOTE                   |         | D4                      |   | X |   |   |
| TERMINAL                    | NOTE    | D1                      |   | X |                      |   | 2.38                        |         | B5                      |   | X |   |   |
| .44 MIN.                    |         | C4                      |   | X |                      |   | 2.82                        |         | D6                      |   | X |   |   |

P = PERFORMANCE, F = FIT, A = ASSEMBLY (USE ONLY WITH  $\diamond$  SYMBOL)  
 X = IDENTIFIES APPLICABLE CLASSIFICATION(S)  
 $\diamond$  = REQUIRED BY ENGINEERING AND/OR MANUFACTURING  
 (R) = STRICT CONFORMANCE TO SPECIFICATION REQUIRED AND IS NOT NEGOTIABLE (MAY BE REQUIRED BY REGULATORY AGENCY)

|             |  |                                  |  |                                       |  |
|-------------|--|----------------------------------|--|---------------------------------------|--|
| REFERENCES  |  | CONTROL TRANSFORMER              |  | WAS                                   |  |
| REVISION    |  | .075 KVA                         |  | ALLEN-BRADLEY<br>MILWAUKEE, WISCONSIN |  |
| RELEASE     |  | DUAL VOLTAGE                     |  |                                       |  |
| 1 50058-88  |  | WITH INTERNAL PRIMARY PROTECTION |  | SHEET 1 OF 3                          |  |
| 2 30197-94  |  | DR. K. SCHWEITZER                |  | DATE 10-9-86                          |  |
|             |  | CHKD. D. GAWRONSKI               |  | DATE 11-20-86                         |  |
|             |  | APPD. G. BRUSKI                  |  | DATE 2-1-88                           |  |
| REFER. BOOK |  |                                  |  | DWG. SIZE A 25634-141                 |  |

- A** ALL PARTS MUST BE CAPABLE OF MEETING THE REQUIREMENTS SPECIFIED HEREIN:
- 1.0 DESCRIPTION:** .075 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 2.375 X 2.812 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.
- 3.4.1 THERMAL CUTOFFS MOUNTED INTERNAL TO TRANSFORMER.
- 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. MARK 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 MOUNT WIRING DIAGRAM LABEL TO BE READ FROM SECONDARY SIDE.
- 4.5 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 (TABLE ON PAGE 3) AND HI-POT PER LINE 5.2.


|             |          |  |  |   |  |
|-------------|----------|--|--|---|--|
| REFERENCES  |          | CONTROL TRANSFORMER  |  | WAS   |  |
| REVISION    |          | .075 KVA   |  |  <b>ALLEN-BRADLEY</b><br><small>A ROCKWELL INTERNATIONAL COMPANY</small><br>MILWAUKEE, WISCONSIN |  |
| RELEASE     |          | DUAL VOLTAGE   |  |   |  |
| 1           | 50058-88 | WITH INTERNAL PRIMARY PROTECTION                             |  |   |  |
| 2           | 50197-99 | DR. <i>D. GAWRONSKI</i> DATE <i>1-28-88</i>                  |  | SHEET 2 OF 3  |  |
|             |          | CHKD. <i>D.G.</i> DATE <i>1-28-88</i>                        |  | DWG. SIZE<br><b>A 25634-141</b>   |  |
|             |          | APPD. <i>G. BRUSKI</i> DATE <i>2-1-88</i>                    |  |   |  |
| REFER. BOOK |          | DIMENSIONS APPLY BEFORE SURFACE TREATMENT                    |  |   |  |
|             |          | (DIMENSIONS IN INCHES) TOLERANCES UNLESS OTHERWISE SPECIFIED |  |   |  |
|             |          | 2 PLACE DECIMAL (.XX)  |  |   |  |
|             |          | ±  |  |   |  |
|             |          | 3 PLACE DECIMAL (.XXX)                                       |  |   |  |
|             |          | ±  |  |   |  |
|             |          | ANGLES ±   |  |   |  |

8.0 **A-B IDENTIFICATION: BILL OF MATERIAL**  
 COMPLETE IDENTIFICATION SHALL INCLUDE COMPLETE PART NUMBER AND NAME OF DEVICE AS IT APPEARS IN TITLE BLOCK.

9.0 **VENDOR MODIFICATIONS AND RESPONSIBILITIES**  
 A-B SHALL BE NOTIFIED OF ANY CHANGES IN MATERIALS OR PROCESSES WHICH COULD AFFECT THE PERFORMANCE, RELIABILITY, OR PHYSICAL CHARACTERISTICS OF THIS DEVICE.  
 IN THE EVENT OF NON-CONFORMANCE, VENDORS SHALL BE INFORMED OF THE TEST METHODS USED TO DETERMINE REJECTION AND SHALL BE REQUIRED TO ADJUST DEFICIENCIES.

10.0 **PACKAGING:**  
 CONTAINERS SHALL BE MARKED WITH MANUFACTURER'S NAME AND PART NUMBER.

| PART NO. | CHG LTR. | KVA  | VOLTAGES           |            | HERTZ       | THERMAL CUTOFF SERIES TERMINAL<br>SEE NOTE 3.4 | A-B NAMEPLATE (REF. ONLY) |
|----------|----------|------|--------------------|------------|-------------|--|---------------------------|
|          |          |      | PRIMARY            | SECONDARY  |             |  |                           |
| -01      | A        | .075 | 220/440<br>240/480 | 110<br>120 | 50/60<br>60 | H1, H4   | 43010-286-02              |
|          |          |      |                    |            |             |  |                           |
|          |          |      |                    |            |             |  |                           |
|          |          |      |                    |            |             |  |                           |
|          |          |      |                    |            |             |  |                           |

|             |          |                                  |  |  |  |  |
|-------------|----------|----------------------------------|--|--|--|--|
| REFERENCES  |          | CONTROL TRANSFORMER              |  |  | WAS.   |  |
| REVISION    |          | .075 KVA                         |  |  |  <b>ALLEN-BRADLEY</b><br>A ROCKWELL INTERNATIONAL COMPANY<br>MILWAUKEE, WISCONSIN |  |
| RELEASE     |          | DUAL VOLTAGE                     |  |  |  |  |
| 1           | 50058-88 | WITH INTERNAL PRIMARY PROTECTION |  |  |  |  |
| 2           | 50197-94 | DR. D. GAWRONSKI                 |  |  |  |  |
|             |          | DATE 1-28-88                     |  |  | SHEET 3 OF 3   |  |
|             |          | CHKD. D.G.                       |  |  | DATE 1-28-88   |  |
|             |          | APPD. G. BRUSKI                  |  |  | DATE 2-1-88  |  |
| REFER. BOOK |          |                                  |  |  | DWG. SIZE A  |  |
|             |          |                                  |  |  | 25634-141  |  |