

| | | 2 | - | | |
|-----------|--------|-------------|-----------|-----|---------|
| REVISIONS | | | | | |
| REV | ECO | DESCRIPTION | DATE | BY | CHECKED |
| - | - | NEW DRAWING | 3/26/2003 | DDK | RKT |
| A | D7590 | SEE ECO | 8/9/2006 | DDK | DRW |
| В | 30480 | SEE ECN | 6/3/2010 | SEW | |
| С | 100002 | SEE ECN | 4/26/2011 | SEW | |

D

ROTOR & STATOR ARE A MATCHED PAIR. DO NOT INTERCHANGE ROTOR OR STATOR BETWEEN RESOLVERS.

CUSTOMER MUST MAINTAIN SHAFT RUNOUT WITH RESPECT TO DATUM 'A' WITHIN .003 T.I.R.

3. ROTOR AND STATOR TO BE AXIALLY ALIGNED WITH DATUM 'B' ± .010

LABEL IS OPTIONAL UPON CUSTOMER REQUEST. IF REQUESTED TO DELETE LABEL, SN AND DC SHALL BE WRITTEN ON STATOR COVER OPPOSITE MOUNTING END. SN SHALL BE WRITTEN ON ROTOR COVER OPPOSITE MOUNTING END. AIR DRY VARNISH SHALL BE APPLIED

ELECTRICAL ZERO TO BE MARKED ON ROTOR AND STATOR AS SHOWN.

С **ELECTRICAL & MECHANICAL DATA AT 25°C** VALUES ARE REFERENCE UNLESS OTHERWISE TOLERANCED HIPOT TESTING PERFORMED AT 60HZ, 4 SECOND DURATION ELEC CYC / MECH CYC 1 deg/deg EXCITATION FREQUENCY ±1% kHz 10 7.0 ±5% Vrms Max. mArms 50 0.14 Watts Ohms 90 +J160 Ohms 75 +J145 Ohms 250 +J425 Ohms 210 +J385 TRANSFORMATION RATIO ±10% 0.50 В DC RESISTANCE (R1-R2) ±15% Ohms 34 DC RESISTANCE (S1-S3, S2-S4) ±15% Ohms 74 Max. arcminutes ±20 PK-PK VELOCITY ERROR Max. % -PHASE SHIFT, OPEN CIRCUIT -5 degrees Max. mVrms 20 HIPOT, LEADS TO CASE, 500VAC Max. mArms 2 HIPOT, INTERPHASE, 250VAC 2 Max. mArms TEMPERATURE RANGE 55 TO + 155 °С 1.3 ΟZ Max. kRPM 20

INTERPRETATION PER ASME Y14.5M-1994 DANAHER SENSORS & CONTROLS UNLESS OTHERWISE SPECIFIED **OUTLINE & PERFORMANCE** TOLERANCES: **SPECIFICATION** - DIMENSION ±0.01 ±0.005 .XX .XXX **RESOLVER BRUSHLESS FRAMELESS** ANGLE ±0.5° 10BRCX-401-A2C/20 CHAMFER ±10 В CODE IDENT: 58655 SHEET 1 OF 2 SCALE 3:1

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

API Delevan: 10BRCX-401-A2C/20