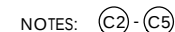


2		1			
REVISED					
REV	ECO	DESCRIPTION	DATE	BY	CHECKED
A	16195	NEW DRAWING	11/99	-	RKT
B	D6970	SEE ECO	6/28/2005	DDK	DRW
C	D7554	SEE ECO	7/25/2006	DDK	DRW

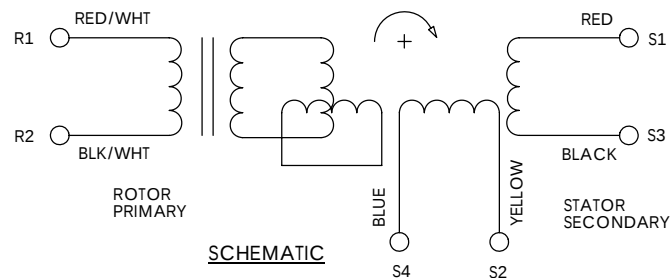


1. ROTOR & STATOR ARE A MATCHED PAIR. DO NOT INTERCHANGE ROTOR OR STATOR BETWEEN RESOLVERS.
2. ROTOR AND STATOR TO BE AXIALLY ALIGNED WITH DATUM 'B' $\pm .010$
3. CUSTOMER MUST MAINTAIN SHAFT RUNOUT WITH RESPECT TO DATUM 'A' WITHIN .003 T.I.R.
4. MATERIAL: HOUSING - 6061-T6 ALUMINUM
SLEEVE - ZINC PLATED 12L14
5. THIS UNIT IS RoHS COMPLIANT.

C1			
ELECTRICAL & MECHANICAL DATA AT 25°C			
VALUES ARE REFERENCE UNLESS OTHERWISE TOLERANCED			
HIPOT TESTING PERFORMED AT 60HZ, 4 SECOND DURATION			
ELEC CYC / MECH CYC	deg/deg	1	
EXCITATION FREQUENCY	±1% kHz	5	10
INPUT VOLTAGE	±5% Vrms	7.0	
INPUT CURRENT	Max. mArms	65	40
INPUT POWER	Watts	.21	.09
IMPEDANCE ZRO	Ohms	47 +J105	78 +J190
IMPEDANCE ZRS	Ohms	46 +J94	65 +J175
IMPEDANCE ZSO	Ohms	165 +J250	245 +J430
IMPEDANCE ZSS	Ohms	160 +J225	210 +J395
TRANSFORMATION RATIO	±10%	.50	.50
DC RESISTANCE (R1-R2)	±15% Ohms	19	
DC RESISTANCE (S1-S3, S2-S4)	±15% Ohms	105	
POSITION ERROR	Max. arcminutes	±10	
PK-PK VELOCITY ERROR	Max. %	-	-
PHASE SHIFT, OPEN CIRCUIT	degrees	+7	-7
NULL VOLTAGE	Max. mVrms	20	
HIPOT, LEADS TO CASE, 500VAC	Max. mArms	2	
HIPOT, INTERPHASE, 250VAC	Max. mArms	2	
TEMPERATURE RANGE	°C	-55 TO +155	
WEIGHT	oz	2.3	
CONTINUOUS SPEED	Max. kRPM	20	

(C6) INCREASING ANGLE FOR
CW ROTATION OF ROTOR AS
VIEWED FROM MOUNTING END

$$\begin{aligned} E(S1-S3) &= KE(R1-R2) \cos \phi \\ E(S2-S4) &= KE(R1-R2) \sin \phi \end{aligned}$$



THIRD ANGLE PROJECTION

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
SHARP EDGES BROKEN .005/.010
INSIDE CORNERS R .015 MAX
TOLERANCES:
DECIMAL .00 $\pm$.01 .000 $\pm$.0005
ANGLE $\pm$ 0.5
CHAMFER ANGLE $\pm$ 10

DANAHER
INDUSTRIAL CONTROLS

THE INFORMATION CONTAINED
IN THIS DRAWING IS THE SOLE
PROPERTY OF HAROWE. ANY
REPRODUCTION IN PART OR
WHOLE WITHOUT THE WRITTEN
PERMISSION OF HAROWE IS
PROHIBITED.

APPROVALS	DATE
DRAWN DH	-
CHECKED DCH	11-16-99
DES ENG DKT	11-22-99

RESOLVER BRUSHLESS FRAMELESS			
SIZE	DWG. NO.		
B	15BRCX-602-B27/10		
SCALE	3:1	QUANTITY	CODE IDENT. ERASE

D	SCALE: 2:1	SHEET 1 OF 2	CODE IDENT: ER055
---	------------	--------------	-------------------

Mouser Electronics

Authorized Distributor

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

[API Delevan:](#)

[15BRCX-602-B27/10](#)