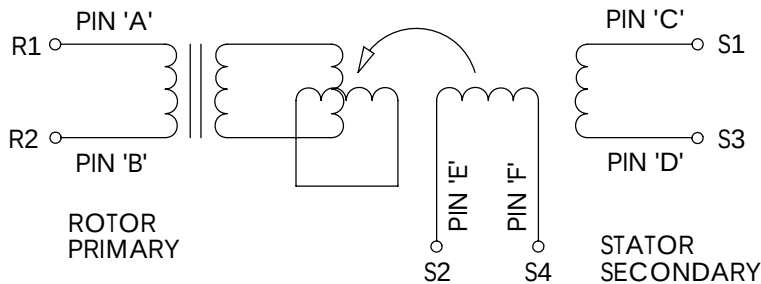


4		3		2		1			
PART NUMBER	MODEL SERIES	REVISIONS							
R25- B _ _ _ -1E07	R25	REV	ECO	DESCRIPTION			DATE	BY	CHECKED
		-	-	NEW DRAWING			11/19/2003	DDK	RKT
		A	D7892	SEE ECO			1/23/2007	DDK	DRW
		B	D8013	SEE ECO			4/5/2007	DDK	DRW



SCHEMATIC

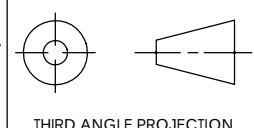
PHASING EQUATION

INCREASING ANGLE FOR
CCW ROTATION VIEWED
FROM SHAFT END

$$E (S1-S3) = KE (R1-R2) \cos \phi$$

$$E (S2-S4) = KE (R1-R2) \sin \phi$$

ELECTRICAL 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	5.0
INPUT VOLTAGE	±5% Vrms	7.0
INPUT CURRENT	Max. mArms	17
INPUT POWER	Watts	.032
IMPEDANCE ZRO	Ohms	723
IMPEDANCE ZRS	Ohms	603
IMPEDANCE ZSO	Ohms	3940
IMPEDANCE ZSS	Ohms	3550
TRANSFORMATION RATIO	±10%	.95
DC RESISTANCE (R1-R2)	Ohms	104
DC RESISTANCE (S1-S3, S2-S4)	Ohms	375
POSITION ERROR	Max. arcminutes	±7
PK-PK VELOCITY ERROR	Max. %	-
PHASE SHIFT, OPEN CIRCUIT	degrees	-8
NULL VOLTAGE	Max. mVrms	25
HIPOT, LEADS TO CASE, 500VAC	Max. mArms	2
HIPOT, INTERPHASE, 250VAC	Max. mArms	2



THIRD ANGLE PROJECTION

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
DIAMETERS CONCENTRIC .003 TIR
FACES PERPENDICULAR .003
INSIDE CORNERS R .015 MAX
INTERPRETATION PER ASME
Y14.5M-1994

UNLESS OTHERWISE SPECIFIED:
REMOVE ALL BURRS AND BREAK
SHARP EDGES .005/.010

TOLERANCES:
DECIMAL .00 ±.01 .000 ±.005
ANGLE ±0.5°
CHAMFER ANGLE ±10°

MACHINE SURFACES 63 √



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MATERIAL	-
FINISH	-

APPROVALS	DATE
DRAWN DDK	11/19/03
CHECKED DRW	01/23/07
DES ENG RKT	11/20/03

ELECTRICAL DATA			
SIZE A	DWG. NO.	R25- B _ _ _ -1E07	
SCALE	-	SHEET 1 OF 1	CODE IDENT: 58655