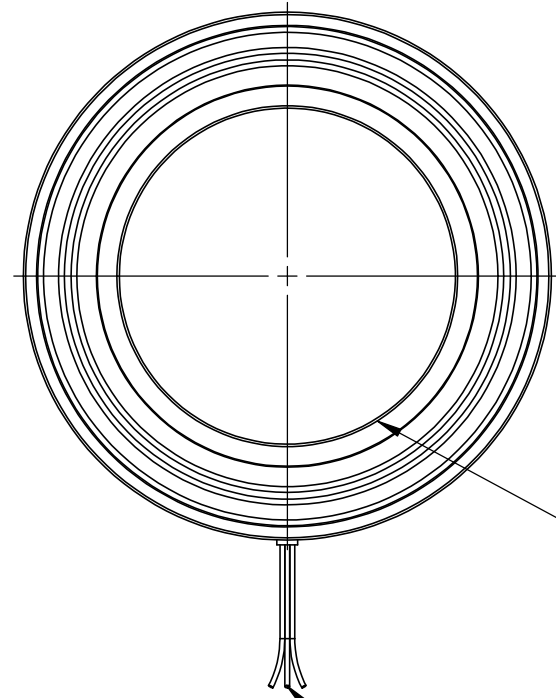


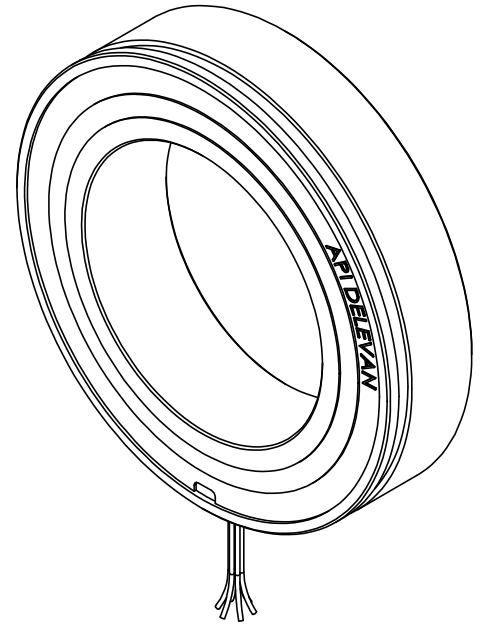
NOTES:

1. ROTOR & STATOR ARE A MATCHED PAIR. DO NOT INTERCHANGE ROTOR OR STATOR BETWEEN RESOLVERS.
2. ROTOR AND STATOR TO BE MOUNTED AXIALLY FLUSH ± .015.
3. CUSTOMER MUST MAINTAIN SHAFT RUNOUT WITH RESPECT TO DATUM 'A' WITHIN .003 T.I.R.

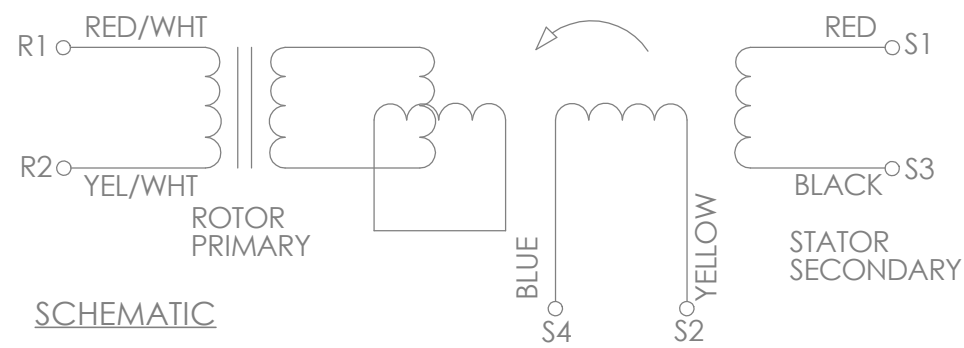


Ø"B"  
SEE SHEET TWO  
FOR BORE SIZES

SEE SHEET TWO  
FOR LEAD OPTIONS



SCHMATIC



PHASING EQUATION  
FOR CCW ROTATION OF ROTOR FACING  
TRANSFORMER MOUNTING FLANGE END.

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

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

**PART, ASSEMBLY AND ALL COMPONENTS  
MEET EU ROHS DIRECTIVE**

<p>THIRD ANGLE PROJECTION</p>	<p>UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES [mm] DIAMETERS CONCENTRIC .003 [.076] TIR FACES PERPENDICULAR -.003 [.076] INSIDE CORNERS R .015 [.381] MAX INTERPRETATION PER ASME Y14.5M-1994</p>	<p>UNLESS OTHERWISE SPECIFIED: REMOVE ALL BURRS AND BREAK SHARP EDGES -.005/.010 [.127/.254]</p> <p>TOLERANCES: DECIMAL .00±.01 [.254] .000 ±.005 [.127] ANGLE 30.5° CHAMFER ANGLE ±10°</p>	<p><b>API Delevan</b></p>	
	<p>MATERIAL -</p> <p>FINISH -</p>	<p>MACHINE SURFACES 63</p> <p>APPROVALS - DATE -</p> <p>DRAWN -</p> <p>CHECKED -</p> <p>DES ENG -</p>	<p><b>55BRCX</b></p>	
<p>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF API DELEVAN. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF HAROWE IS PROHIBITED.</p>			<p>SIZE B</p>	<p>DWG. NO.</p>
<p>SCALE</p>			<p>SHEET 1 OF 3</p>	<p>CODE IDENT: 99800</p>

REVISIONS				
REV	ECO	DESCRIPTION	DATE	CHECKED
-	-	NEW DRAWING		

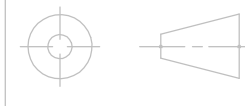
# NUMBERING

## 55BRCX-XXX-XXXX-XXXX

SIZE  
55

STYLE OF RESOLVER:  
FRAMELESS

PILOT NUMBER	STYLE	WINDING NUMBER	Vrms	KHz	ma m Ar ms	Tr	SPEED	ACCURACY ±arcmin	BORE LETTER	BORE	"B" DIAMETER	CABLE DESIGNATION	CABLE	LEAD	LENGTH
500	SERVO MOUNT 5.50 [139.7]OD 1.25 [31.75] LONG	009	4.25	7	55	.47	1	30	E	3.65 INCH	3.6500/3.6515 [92.71/92.75]	05	26 AWG FLYING LEADS	01	12[305]
		217	4.25	7	55	.47	12	4				07	28 AWG FLYING LEADS W/TUBING	02	15[381]
		218	4.25	7	55	.47	8	8				08	24 AWG HIGH TEMP FLYING LEADS	03	24[609]
		219	4.25	7	55	.47	16	4				09	24 AWG 3 TWISTED PAIRS	04	60[1524]
		220	4.25	7	55	.47	4	10				11	22 AWG 4 TWISTED PAIRS W/TUBING	05	80[2032]
													12	AWG 24 FLYING LEADS	06
												20	RADIATION HARDEN 26 AWG FLYING LEADS		



THIRD ANGLE PROJECTION

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN INCHES [mm]  
DIAMETERS CONCENTRIC .003 [.076] TIR  
FACES PERPENDICULAR .003 [.076]  
INSIDE CORNERS R .015 [.381] MAX  
INTERPRETATION PER ASME  
Y14.5M-1994

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

TOLERANCES:  
DECIMAL .00±.01 [.254] .000 ±.005 [.127]  
ANGLE ±0.5°  
CHAMFER ANGLE ±10°

MACHINE SURFACES 63

## API Delevan

# 55BRCX

MATERIAL	-	APPROVALS	DATE	DRAWN	-	CHECKED	-	DES ENG	-
FINISH	-								

SCALE	SHEET 2 OF 3	CODE IDENT: 58655
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REPRODUCTION IN PART OR  
WHOLE WITHOUT THE WRITTEN  
PERMISSION OF HAROWE IS  
PROHIBITED.

SIZE  
B

DWG. NO.