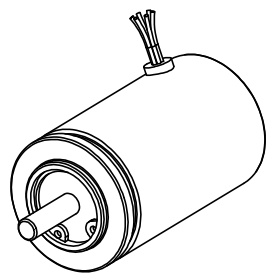
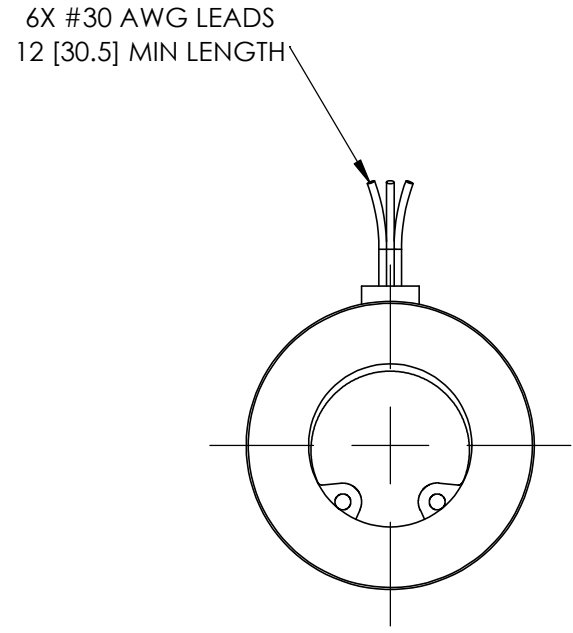
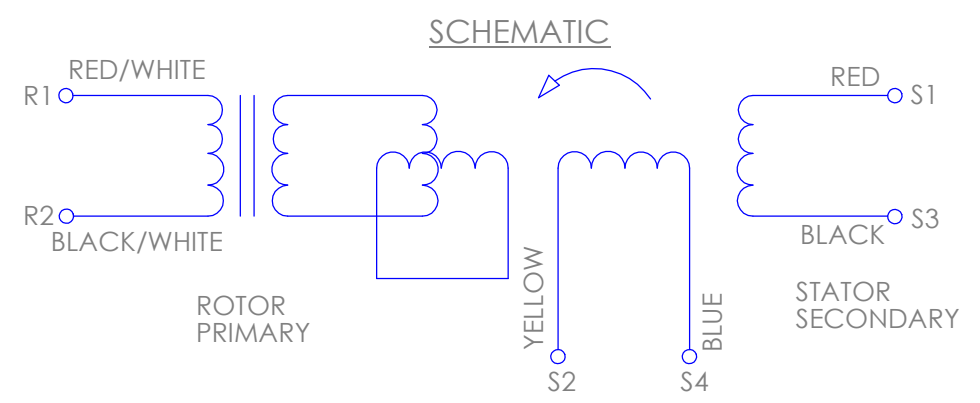


- NOTES:
- MEASURED IN A VERTICAL POSITION.
  - SHAFT ENDPLAY  $.001/.002$  [.025/.050] MAX., MEASURED WITH A 8 OZ [.23Kg] REVERSE GAGE LOAD.
  - SHAFT RADIAL PLAY  $.001$  [.025] MAX., MEASURED WITH A 4 OZ [.11Kg] REVERSE GAGE LOAD.



PHASING EQUATION  
INCREASING ANGLE FOR  
CCW ROTATION OF SHAFT  
FACING SHAFT END

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

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


TECHNICAL INFORMATION		
HIPOT, LEADS TO CASE	500 VAC	
HIPOT, INTERPHASE	250 VAC	
TEMPERATURE RANGE	°C	-55 TO 125
WEIGHT, APPROX	GRAMS	53

THIRD ANGLE PROJECTION

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

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 [.127/.254]	
MATERIAL	-	MACHINE SURFACES	63
FINISH	-	APPROVALS	DATE
		CHECKED	-
		DES ENG	-

**API DELEVAN**  
<http://www.delevan.com>

# 8BRCX OUTLINE

SIZE B DWG. NO. \_\_\_\_\_

SCALE \_\_\_\_\_ SHEET 1 OF 2 \_\_\_\_\_ C.CODE IDENT: 99800


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

REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	CHECKED
-	-	NEW DRAWING			

## SPECIFICATIONS

MODEL	IMPEDANCE ZSO (OHMS)	IMPEDANCE ZSS (OHMS)	IMPEDANCE ZRO (OHMS)	IMPEDANCE ZRS (OHMS)	ACCURACY ± ARC-MIN	INPUT VOLTAGE (Vrms)	FREQUENCY (Hz)	D.C. ROTOR RESISTANCE (±10 OHMS)	D.C. STATOR RESISTANCE (±10 OHMS)	MAXIMUM INPUT CURRENT (Ma)	TRANSFORMATION RATIO (V out / V in) ±10%	PHASE SHIFT (degrees)	TOTAL NULL VOLTAGE (Mv)
8BRCX-300-005	216+j289	166+j98	435+j685	382+j225	7	6	1000	73	52	11	0.454	10	30
8BRCX-300-006	425+j1000	270+j370	300+j500	190+j190	7	5.9	2500	63	67	12	1	9	30
8BRCX-300-007	275+j325	285+j150	495+j750	610+j415	7	26	400	127	137	33	0.454	19	30

PLEASE CONTACT FACTORY FOR OTHER ELECTRICAL AND MECHANICAL OPTIONS.

 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°	<h1 style="margin: 0;">API Delevan</h1>
	MACHINE SURFACES $\sqrt{63}$	<h1 style="margin: 0;">8BRCX OUTLINE</h1>	
MATERIAL -	APPROVALS DRAWN -	DATE -	SIZE B
FINISH -	CHECKED -	DES ENG -	DWG. NO. SCALE SHEET 2 OF 2 C.CODE IDENT: 99800