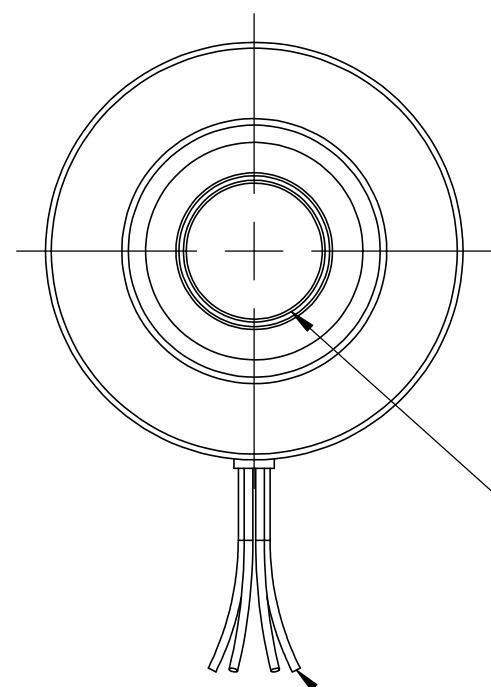


.635
.631
[16.13]
[16.03]

PILOT 700 SHOWN
SEE SHEET TWO AND THREE
FOR OTHER OPTIONS

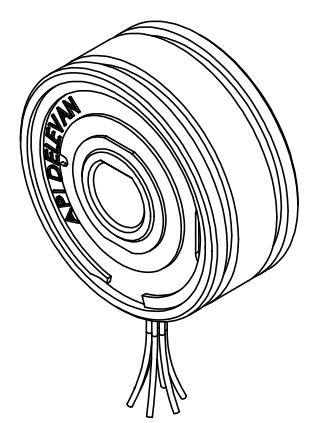


SEE SHEET TWO
FOR BORE SIZES

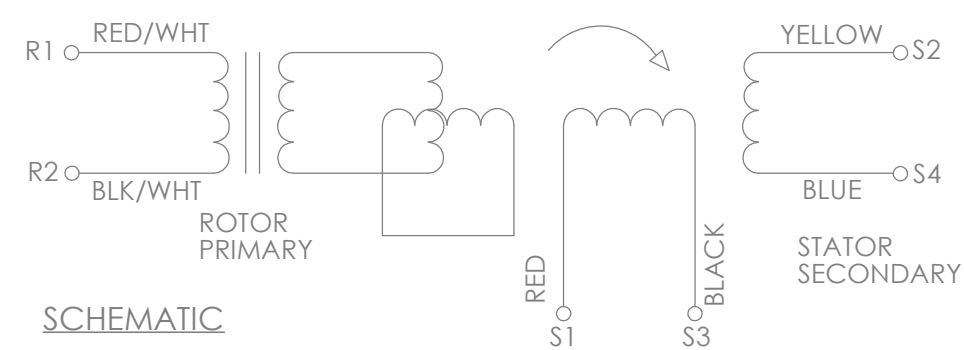
SEE SHEET TWO
FOR LEAD OPTIONS

NOTES:

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



SHEMATIC



SHEMATIC

PHASING EQUATION

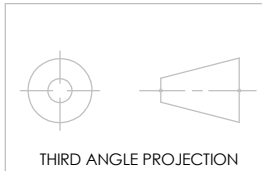
INCREASING ANGLE
FOR CW ROTATION OF ROTOR
FACING MOUNTING END.

$$E(S1-S3) = KE(R1-R2) \sin \theta$$

$$E(S2-S4) = -KE(R1-R2) \cos \theta$$

TECHNICAL INFORMATION		
HIPOT, LEADS TO CASE, 500VAC	Max. mArms	2
HIPOT, INTERPHASE, 250VAC	Max. mArms	2
TEMPERATURE RANGE	°C	-55 TO +155
WEIGHT, APPROX	g	67
CONTINUOUS SPEED	Max. kRPM	20

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



THIRD ANGLE PROJECTION

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MATERIAL		MACHINE SURFACES $\sqrt{63}$	
FINISH		APPROVALS	DATE
		CHECKED	
		DES ENG	
		ANGLE	±10°
		CHAMFER	

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SIZE B DWG. NO. _____

SCALE SHEET 1 OF 3 CODE IDENT: 99800

REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	CHECKED
-	-	NEW DRAWING			

NUMBERING

15BRX-XXX-XXXXX-XXXX

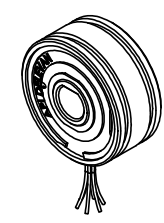
SIZE
15

STYLE OF RESOLVER:
FRAMELESS, NEW GEN

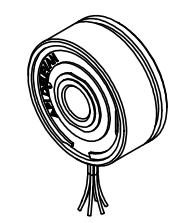
PLEASE CONTACT FACTORY FOR OTHER ELECTRICAL AND MECHANICAL OPTIONS.

PILOT NUMBER	STYLE	WINDING NUMBER	Vrms	KHz	ma Arms	Tr	SPEED	ACCURACY ±arcmin	BORE LETTER	BORE	"B" DIAMETER	CABLE DESIGNATION	CABLE	LEAD	LENGTH	
700	SINGLE GROOVE, Ø1.449[36.80] .635 [16.13] AOL RADIAL LEADS	002	2	10	50	.98	1	20 SPREAD	K	3/8	.375/.376 [9.53/9.55], .635 AOL	02	28 AWG FLYING LEADS	01	12[305]	
		004	8	8	50	.50	1	16 SPREAD	P	3/8 W/FLAT	.375/.376 [9.53/9.55] W/FLAT .635[16.13]AOL	06	28 AWG 3 TWISTED PAIRS W/DRAIN	02	15 [381]	
		006	4	5	45	.50	1	20 SPREAD				09	24 AWG 3 TWISTED PAIRS	03	24[609]	
702	DOUBLE GROOVE, Ø1.449[36.80] .635 [16.13] AOL RADIAL LEADS								AX	12mm	12.00/12.027mm H8 16.0mm AOL	11	22 AWG 4 TWISTED PAIRS W/SHIELDING	04	60[1524]	
												19	29 AWG SILIFLEX FLYING LEADS	05	80[2032]	
705	SINGLE GROOVE, Ø1.449[36.80] .635 [16.13] AOL RADIAL LEADS															
708	FLANGE MOUNT Ø1.417[36.00] .635 [16.13] AOL RADIAL LEADS															

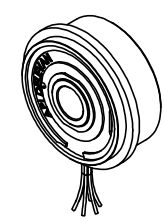
SEE SHEET 3 FOR DIMENSIONAL DIFFERENCES



PILOT 702



PILOT 705



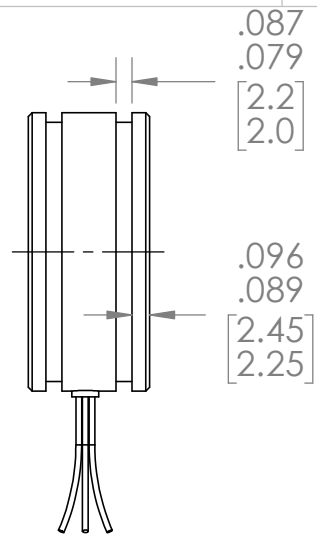
PILOT 708

<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</p> <p>TOLERANCES: DECIMAL .00±.01 [.254] .000 ±.005 [.127] ANGLE ±0.5° CHAMFER ANGLE ±10°</p>	<p>API DELEVAN http://www.delevan.com</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>SIZE B</p> <p>DWG. NO.</p>

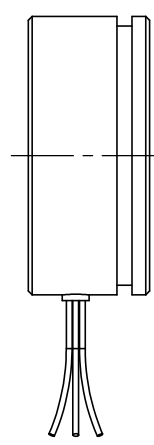
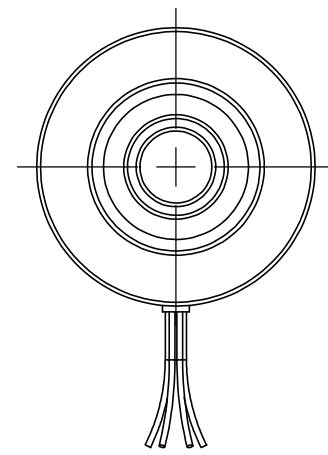
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SCALE SHEET 2 OF 3 CODE IDENT: 58655

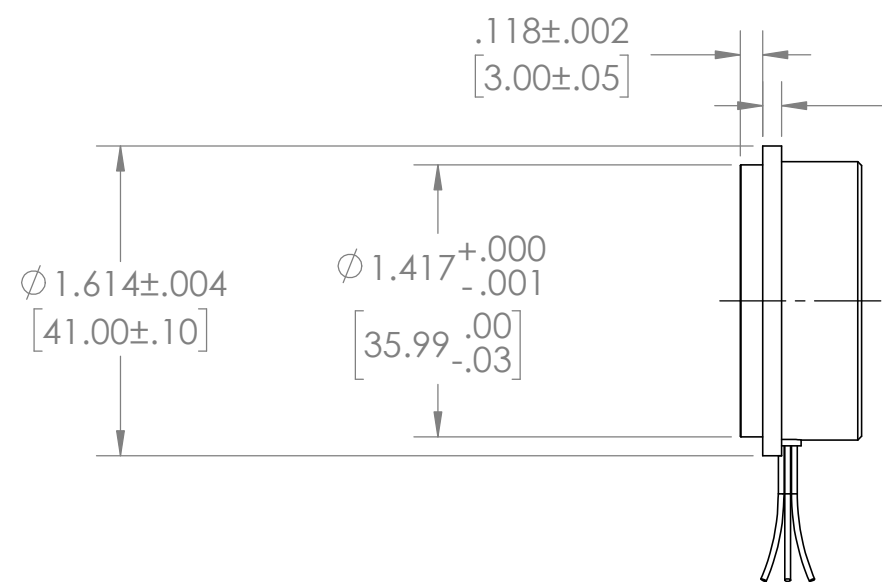
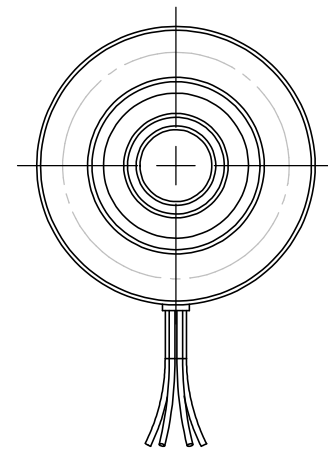
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	CHECKED
-	-	NEW DRAWING			



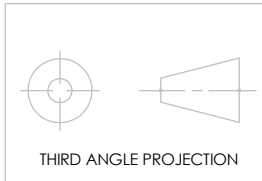
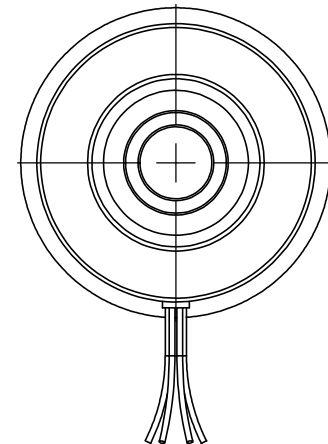
PILOT 702
DIMENSIONS
DIFFERENCES FROM 700



PILOT 705
DIMENSIONS
DIFFERENCES FROM 700



PILOT 708
DIMENSIONS
DIFFERENCES FROM 700



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MATERIAL	-	TOLERANCES: DECIMAL .00±.01 [.254] .000 ±.005 [.127] ANGLE ±0.5° CHAMFER ANGLE ±10°	MACHINE SURFACES 63
FINISH	-	APPROVALS	DATE
		DRAWN	-
		CHECKED	-
		DES ENG	-

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SIZE **B** DWG. NO. _____

SCALE _____ SHEET 3 OF 3 CODE IDENT: 58655