



- NOTES:**
1. Frame Material - R/C(QMFZ2) designated Zytel 70G33L, manufactured by E.I. Dupont rated 130°C max.
 2. Sensing Toroid - Magnetic Metals P/N 5029 (80% Nickel Iron Alloy Rings) with 1000 turns of coated magnet wire, 40 AWG, 45 Ω +/- 10%, Wire is R/C (OBMW2) type Polysol 155 from Elektrisola or equivalent.
 3. Grounded Neutral Toroid - Magnetic Metals P/N F3006 (Ferrite Material) with 120 turns of coated magnet wire, 40 AWG, 7.5 Ω +/- 10%, Wire is R/C (OBMW2) type Polysol 155 from Elektrisola or equivalent.
 4. Shield Washer - Material - M6 silicon steel, circular dimensions - 0.36 mm thick, OD=14.48 mm, ID=6.60 mm
 5. Insulator - Material - nylon, circular dimensions - 0.3 mm thick, OD=14.4 mm, ID=6.15 mm
 6. Maximum operating temperature = 85°C
 7. Label part with part number "AS5859-03" in location shown.
 8. Reset Wire - Rubadue ETFE TEFZEL Wire , UL Style 1558 ,30 AWG, Solid, Blue
 9. Dielectric Breakdown between terminals 1 & 2 with 3 & 4 and 5 & 6 = 2600 Vrms Min., 3 sec.

REVISIONS
REV 1 - 5/3/07 - Initial Release - D.ROLLINS.
REV 2 - 5/30/07 - Changed 11.06 dimension to 9.96 - D.ROLLINS
Rev 3 - 1/29/08 - Added label and DCR specification - D. Rollins
Rev 4 - 9/5/08 - Added Insulator, change wire routings - D. Rollins
Rev 5 - 1/15/09 - Changed 9.96 dimension to 9.60, redrawn in ACAD format.

MATERIAL	
FINISH	
DRAWN D. Rollins	DATE 5/3/07
APPROVED	DATE

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GFCI COIL ASSEMBLY

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TOLERANCES
 ± 0.13 mm
 ANGLES ± .5°
 UNLESS OTHERWISE SPECIFIED

A SIZE	DRAWING NUMBER	REV
	AS5859-03	5
SHEET NO 1 OF 1		

All Dimensions in Millimeters

0.635 +/- 0.025
 SQUARE PIN
 PHOSPHOR BRONZE
 TIN PLATED
 6 PL.