



**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 300 turns of coated magnet wire, 40 AWG, 16 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. Reset Wire - Rubadue ETFE TEFZEL Wire , UL Style 1558 ,30 AWG, Solid, Blue

REVISIONS  
 REV 2 - 12/6/06 - ADDED ADDITIONAL DIMENSIONS, CHG TO METRIC - D.ROLLINS.  
 REV 3 - 3/7/07 - ADDED CORE DETAILS TO NOTE 2 & 3, ADDED NOTE 6 - D.ROLLINS.  
 REV 4 - 3/20/07 - CORRECTED PIN 5 LOCATION DIMENSION - D.ROLLINS  
 REV 5 - 5/3/07 - Changed Pin Size from 0.91 to 0.635, changed material from Zytel 101L to Zytel 70G33L. - D. Rollins  
 REV 6 - 5/30/07 - Changed 11.06 dimension to 9.96 - D.ROLLINS  
 Rev 7 - 1/15/09 - Changed 9.96 dimension to 9.60, redrawn in ACAD format, Added shield washer insulator.

MATERIAL	
FINISH	
DRAWN D. Rollins	DATE 12/05/06
APPROVED	DATE

**Magnetic Metals Corporation**  
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**GFCI COIL ASSEMBLY**

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

**A**

DRAWING NUMBER

**AS5859-01**

REV

**7**

SIZE

SHEET NO

1

OF

1

All Dimensions in Millimeters