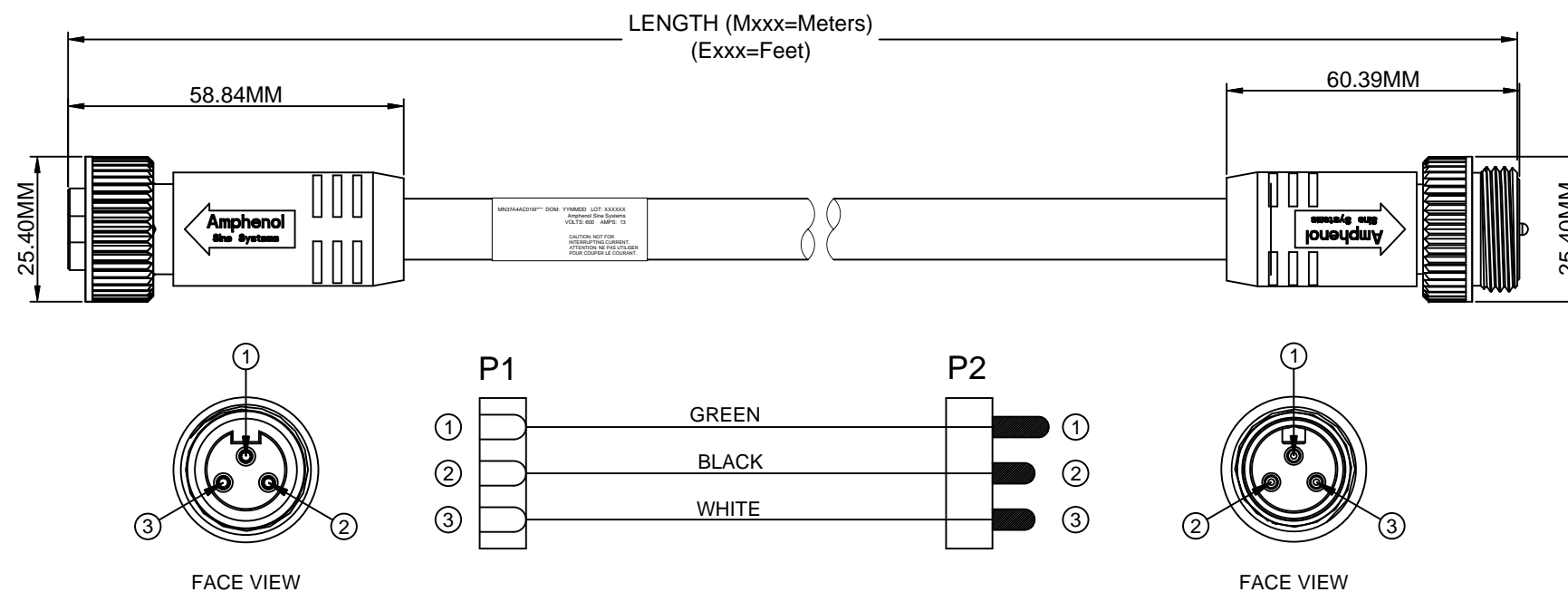


| REVISIONS |      |     |                              |           |      |     |      |
|-----------|------|-----|------------------------------|-----------|------|-----|------|
| REV       | ZONE | ECO | DESCRIPTION                  | DATE      | BY   | CHK | APPR |
| A1        | -    | -   | TECHNICAL DATA SHEET RELEASE | 07-OCT-15 | JLAG | -   | -    |



TECHNICAL DATA:

1) MATERIALS:

COUPLING NUT: MACHINED ALUMINUM, ANODIZED  
 INSULATION INSERT: THERMOPLASTIC, UL 94/V-0  
 CONTACT: GOLD FLASH PLATING OVER COPPER ALLOY  
 OVERMOLD MATERIAL: THERMOPLASTIC COLOR: YELLOW  
 CABLE RATING: UL LISTED TYPE STOOW, CSA CERTIFIED TYPE ST, FT2 FLAME RATING, 600V, 105°C  
 CABLE JACKET MATERIAL: PVC COLOR: YELLOW  
 CONDUCTOR INSULATION: PVC  
 NUMBER OF CONDUCTORS: (3) 16AWG

2) ELECTRICAL DATA:

CURRENT (MAX): 13A  
 VOLTAGE (MAX): 600V AC/DC  
 INSULATION RESISTANCE (MIN): 5000M OHMS  
 DIELECTRIC TEST VOLTAGE: 2200V

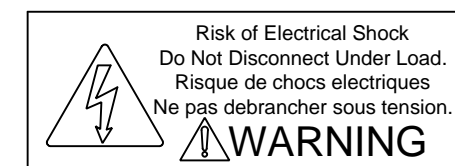
3) MECHANICAL DATA:

TEMPERATURE RANGE: -20°C TO +105°C  
 PROTECTION: IP67 (MATED CONDITION)  
 MATING CYCLES: >500  
 VIBRATION RESISTANCE PER MIL-STD-202 METHOD 204  
 THERMO SHOCK PER MIL-STD-202 METHOD 207  
 48 HOUR SALT SPRAY PER MIL-STD-202 METHOD 101

4) RoHS COMPLIANT

5) UL 2238 LISTED ASSEMBLY  
 UL FILE NUMBERS: E224856

| TOLERANCE                  |                             |
|----------------------------|-----------------------------|
| 0-2.99 M = +100.0/-25.0mm  | 0-9.99 FT = +4" / -1"       |
| 3-8.99 M = +150.0/-25.0mm  | 10.00-29.99 FT = +6" / -1"  |
| 9-14.99 M = +300.0/-25.0mm | 30.00-49.99 FT = +12" / -1" |
| 15-OVER M = +450.0/-25.0mm | 50 FT-OVER = +18" / -1"     |



| QUANTITY                              | PART NUMBER | DESCRIPTION  | ITEM                       |
|---------------------------------------|-------------|--|----------------------------|
| <b>MATERIALS LIST</b>                 |             |  |                            |
| UNLESS OTHERWISE SPECIFIED:           |             | SIGNATURES   | DATE                       |
| 1) All dimensions are in metric (mm). |             | DRAWN: KMM   | 12-MAY-14                  |
| 2) Tolerances are as follows:         |             | CHECKED: MRF   | 12-MAY-14                  |
| 1 PL DEC ±0.30                        |             | ENGINEER: KMM  |                            |
| 2 PL DEC ±0.15                        |             | APPROVAL: RFC  | 12-MAY-14                  |
| 3 PL DEC ±0.08                        |             | CUSTOMER:  |                            |
| 3) Note reference =                   |             | THIS DRAWING IS SUPPLIED FOR INFORMATION ONLY. DESIGN FEATURES, SPECIFICATIONS AND PERFORMANCE DATA SHOWN HEREON ARE THE PROPERTY OF THE AMPHENOL CORPORATION. NO RIGHTS OF REPRODUCTION ARE IMPLIED. ALL DIMENSIONS ARE SUBJECT TO NORMAL MANUFACTURING VARIATIONS. |                            |
| MATERIAL SPECIFICATIONS:              |             | SIZE   | TYPE                       |
| PROCESS SPECIFICATIONS:               |             | C-   | MN37A4AC01                 |
| NEXT ASSY:                            |             | SCALE: HALF  | C-MN37A4AC01M SHEET 1 OF 1 |

**Amphenol**

Sine Systems - www.sineco.com  
 44724 Morley Drive  
 Clinton Township, MI 48036

MINIBOSS M22 (7/8"), 3 PIN, MALE INLINE,  
 STRAIGHT TO FEMALE, STRAIGHT, 16 AWG,  
 STOOW, PVC JACKET

DWG NO. MN37A4AC01  
 REVISION A1

TITLE: MINI 3 PIN M-SR-F-SR-MALE/STOOW  
 DATE: 07-OCT-15  
 SHEET: 1 OF 1

# Mouser Electronics

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