

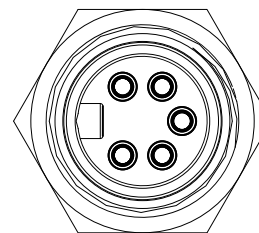
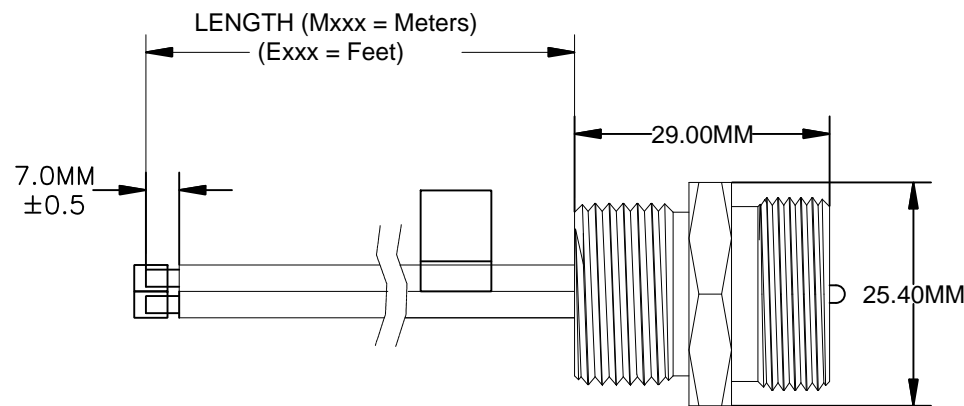
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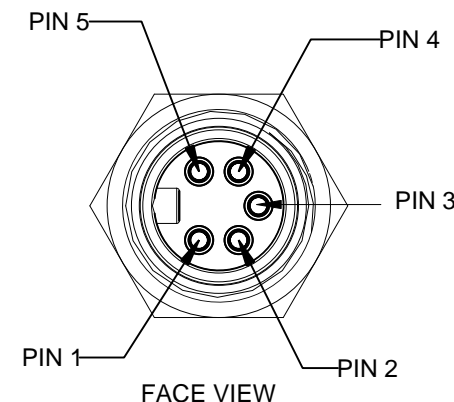
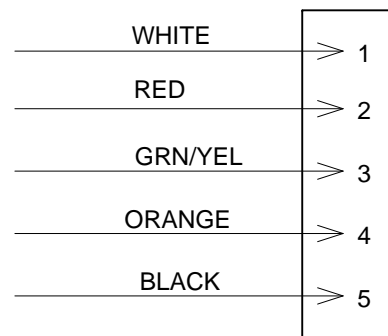
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| REVISIONS | | | | | | | |
|-----------|------|-----|------------------------------|-----------|------|-----|------|
| REV | ZONE | ECO | DESCRIPTION | DATE | BY | CHK | APPR |
| A1 | - | - | TECHNICAL DATA SHEET RELEASE | 08 OCT 15 | JLAG | - | - |



WIRING DIAGRAM



TECHNICAL DATA:

1) MATERIALS:

- COUPLING NUT: MACHINED ALUMINUM, ANODIZED
- INSULATION INSERT: THERMOPLASTIC, UL 94/V-0
- CONTACT: GOLD FLASH PLATING OVER COPPER ALLOY
- CABLE RATING: UL LISTED TYPE 1015, CSA CERTIFIED TYPE TEW, FT1 FLAME RATING, 600V, 105°C
- CABLE JACKET MATERIAL: PVC
- CONDUCTOR INSULATION: PVC
- NUMBER OF CONDUCTORS: (5) 16AWG

2) ELECTRICAL DATA:

- CURRENT (MAX): 8A
- 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
- THERMAL 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" |

Risk of Electrical Shock
Do Not Disconnect Under Load.
Risque de chocs electriques
Ne pas debrancher sous tension.

WARNING

| QUANTITY | PART NUMBER | DESCRIPTION | ITEM |
|--------------------------------------|-----------------|--|------|
| MATERIALS LIST | | | |
| UNLESS OTHERWISE SPECIFIED | | Amphenol | |
| 1) All dimensions are in metric(mm). | | Sine Systems - www.sineco.com | |
| 2) Tolerances are as follows: | | 44724 Morley Drive | |
| 1 PL DEC ±0.30 | Fractions ±1/64 | Clinton Township, MI 48036 | |
| 2 PL DEC ±0.15 | Angles ±1° | MINIBOSS M22 (7/8"), 5 PIN, Male Receptacle, External threads, 16 AWG, UL1015, PVC Wire | |
| 3 PL DEC ±0.08 | | | |
| 3) Note reference = | | SIZE: C- DWG NO: MN51PW02 REVISION: A1 | |
| MATERIAL SPECIFICATIONS: | | SCALE: HALF C-MN51PW02 SHEET 1 OF 1 | |
| PROCESS SPECIFICATIONS: | | 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. | |
| NEXT ASSY: | | | |

TITLE: 5 PIN MINI, MALE RECP, METERS

DWG NO: MN51PW02MXX

REV: B5

SH: 1

OF: 1

4

3

2

1

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