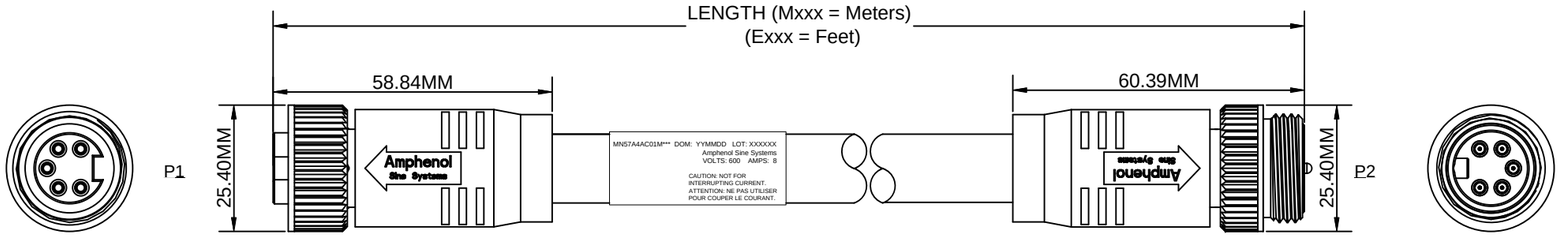
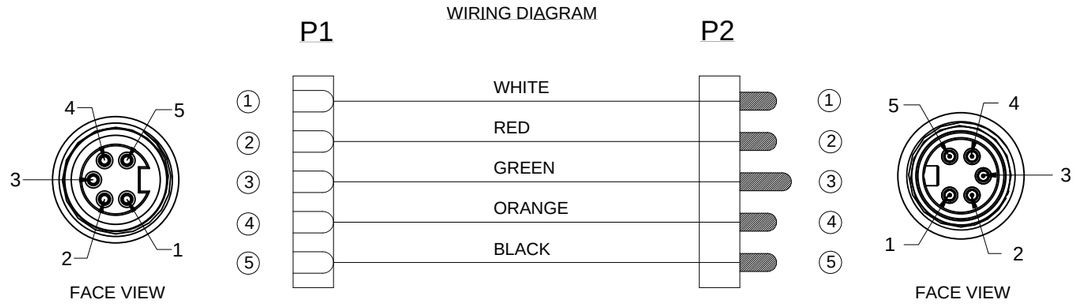
| REVISIONS | | | | | | | |
|---|---|---|---|---|---|---|---|
| REV | ZONE | ECO | DESCRIPTION | DATE | BY | CHK | APPR |
| A1 | - | - | TECHNICAL DATA SHEET RELEASE | 08-OCT-15 | JLAG | - | – |




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: (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

| | PART NUMBER | DESCRIPTION | ITEM |
|---|---|---|---|
| QUANTITY | MATERIALS LIST | | |

UNLESS OTHERWISE SPECIFIED
1) All dimensions are in metric(mm).
2) Tolerances are as follows:
1 PL DEC ±0.30 | Fractions ±1/64
2 PL DEC ±0.15 | Angles ±1°
3 PL DEC ±0.08
3) Note reference = A

MATERIAL SPECIFICATIONS:
PROCESS SPECIFICATIONS:
NEXT ASSY:

| SIGNATURES | | DATE |
|---|---|---|
| DRAWN: | KMM | 12-MAY-14 |
| CHECKED: | MRF | 12-MAY-14 |
| ENGINEER: | KMM | |
| APPROVAL: | RFC | 12-MAY-14 |
| CUSTOMER: | | |

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Amphenol

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

MINIBOSS M22 (7/8"), 5 PIN, MALE INLINE, STRAIGHT TO FEMALE, STRAIGHT, 16 AWG, STOOW, PVC JACKET

| SIZE | TYPE | DWG NO: | REVISION |
|---|---|---|---|
| | C- | MN57A4AC01 | A1 |
| SCALE: HALF | C-MN57A4AC01 | SHEET 1 OF 1 | |

TITLE: MINI, 5PKM-STR-F-STR, METERS
DWG NO: MN57A4AC01Mxxx
REV: C1
SH: 1
OF: 1