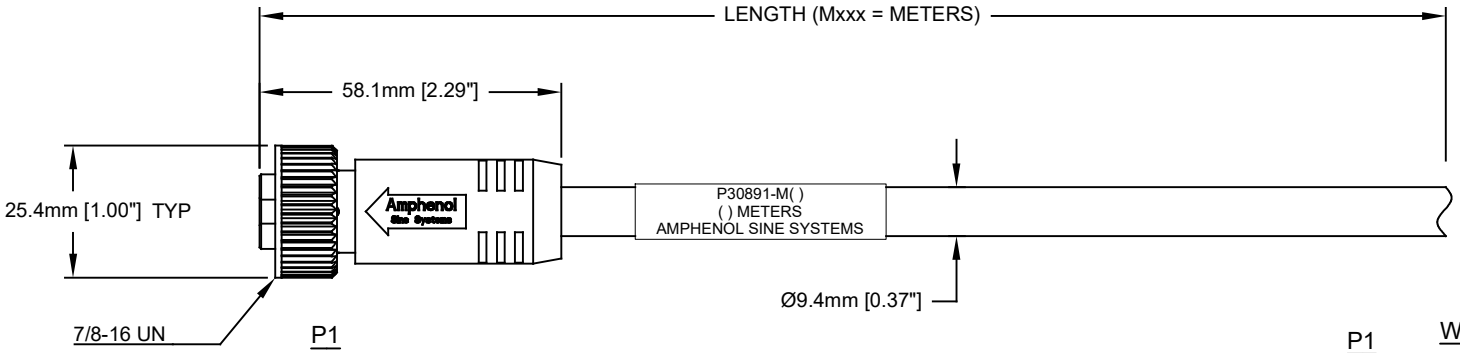
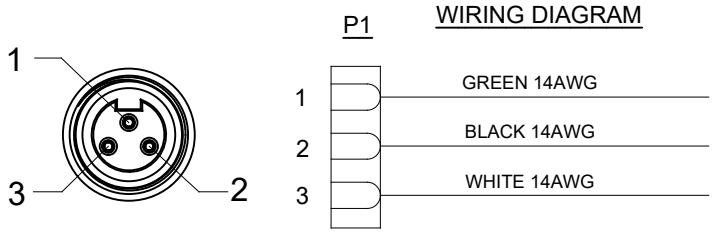
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	TECHNICAL DATA SHEET RELEASE	12-MAY-14	KMM	RFC





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: RED CABLE RATING:
UL LISTED TC-ER ONLY, FT4 FLAME RATING 600V, 90°C WET & DRY.
CABLE JACKET MATERIAL: TPE COLOR: BLACK
CONDUCTOR INSULATION: PVC
NUMBER OF CONDUCTORS: (3) 14AWG

2) ELECTRICAL DATA:
CURRENT (MAX): UL2238 23.5A
VOLTAGE (MAX): 600V AC/DC
INSULATION RESISTANCE (MIN): 5000M OHMS
DIELECTRIC TEST VOLTAGE: 2200V

3) MECHANICAL DATA:
TEMPERATURE RANGE: -40°C TO 90°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) ALSO UL 2237 LISTED ASSEMBLY
UL FILE NUMBERS: E339703

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"

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 = X

MATERIAL SPECIFICATIONS:
PROCESS SPECIFICATIONS:
NEXT ASS'Y:

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.amphenol-sine.com
44724 Morley Drive
Clinton Township, MI 48036

M22 POWERBOSS LITE, 3 PIN, FEMALE-STR, 14 AWG, TC-ER ONLY, TPE JACKET

SIZE	TYPE	DWG NO:	REVISION
	C-	P30891-Mxxx	A1

SCALE: FULL | C-P30891 | SHEET 1 OF 1

TITLE: M22 PB LITE, 3 PIN, F-STR, 14AWG, TC-ER ONLY, TPE
DWG NO: C-P30891-Mxxx
REV: A1
SH: 1
OF: 1