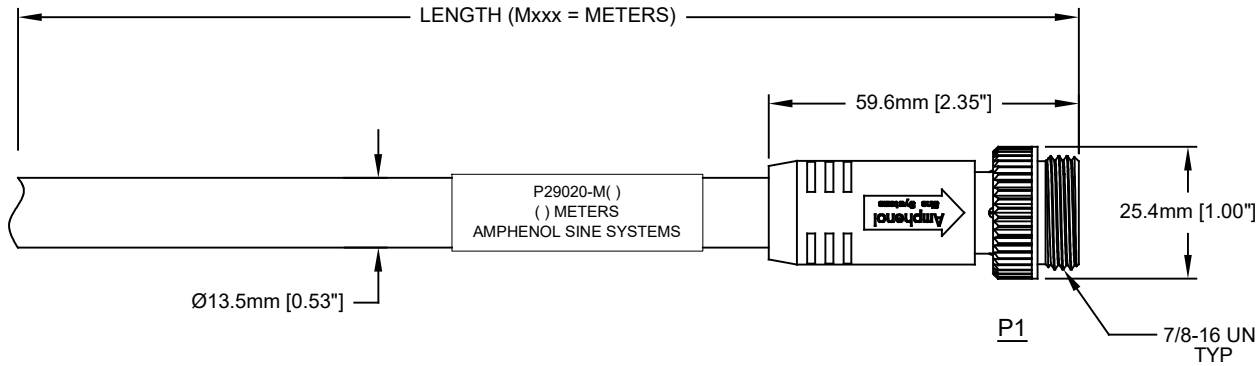
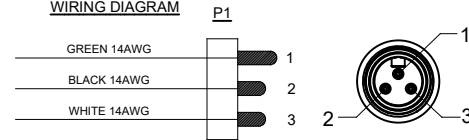


REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	TECHNICAL DATA SHEET RELEASE	12-MAY-14	KMM	RFC



**WIRING DIAGRAM**



Amphenol P/N	MOLEX	TURCK
P29020-M*	103006A46M*	RSM34-*M
P29020-M1	103006A46M010	RSM34-010M
P29020-M2	103006A46M020	RSM34-020M
P29020-M3	103006A46M030	RSM34-030M
P29020-M5	103006A46M050	RSM34-050M
P29020-M10	103006A46M100	RSM34-100M

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>			
<small>UNLESS OTHERWISE SPECIFIED</small> 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 =		<b>Amphenol</b> Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036	
<small>SIGNATURES</small> DRAWN: KMM CHECKED: MRF ENGINEER: KMM APPROVAL: RFC DATE: 12-MAY-14		M22 POWERBOSS LITE, 3 PIN, MALE-STR, 14 AWG, TC-ER/STOOW, PVC JACKET	
<small>MATERIAL SPECIFICATIONS:</small> 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.		SIZE: <b>C-</b> SCALE: FULL	DWG NO: <b>P29020-Mxxx</b> REVISION: <b>A1</b>
<small>PROCESS SPECIFICATIONS:</small> NEXT ASSY:		SHEET 1 OF 1	

**TECHNICAL DATA:**

- MATERIALS:**  
 COUPLING NUT: MACHINED ALUMINUM, ANODIZED  
 INSULATION INSERT: THERMOPLASTIC, UL 94/V-0  
 CONTACT: GOLD FLASH PLATING OVER COPPER ALLOY  
 OVERMOLD MATERIAL: THERMOPLASTIC COLOR: BLACK  
 CABLE RATING: UL LISTED DUAL RATED TC-ER/STOOW, CSA TYPE STOOW, FT4 FLAME RATING, 600V, 90°C DRY & 75°C WET (TC-ER), 105°C (STOOW)  
 CABLE JACKET MATERIAL: PVC COLOR: BLACK  
 CONDUCTOR INSULATION: PVC  
 NUMBER OF CONDUCTORS: (3) 14AWG

- ELECTRICAL DATA:**  
 CURRENT (MAX): 15A  
 VOLTAGE (MAX): 600V AC/DC  
 INSULATION RESISTANCE (MIN): 5000M OHMS  
 DIELECTRIC TEST VOLTAGE: 2200V

- 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

- RoHS COMPLIANT**
- UL 2237 LISTED ASSEMBLY**  
 UL FILE NUMBERS: E339703

TRM22 PB LITE, 3 PIN, M-STR, 14AWG, TC-ER/STOOW, PVC JACKET NO: C-P29020-Mxxx  
 rev: A1  
 sh: 1  
 of: 1