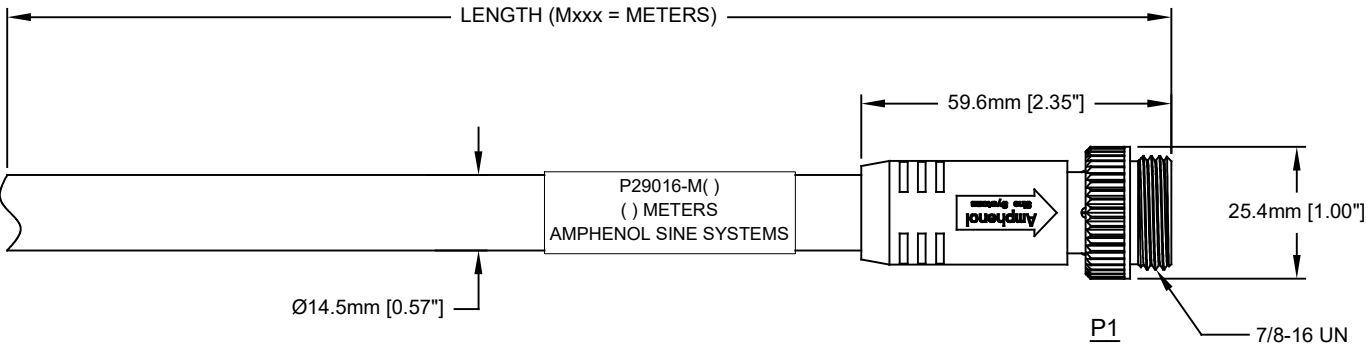
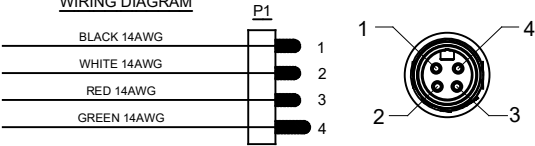


REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	TECHNICAL DATA SHEET RELEASE	12-MAY-14	KMM	RFC



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
 - 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: (4) 14AWG

- 2) ELECTRICAL DATA:
- CURRENT (MAX): 15A
 - 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) UL 2237 LISTED ASSEMBLY
- UL FILE NUMBERS: E339703

Amphenol P/N	ROCKWELL P/N	MOLEX	TURCK
P29016-M*	280-PWRM24G-M*	104006A46M*	RSM44-*M
P29016-M1	280-PWRM24G-M010	104006A46M010	RSM44-010M
P29016-M2	280-PWRM24G-M020	104006A46M020	RSM44-020M
P29016-M3	280-PWRM24G-M030	104006A46M030	RSM44-030M
P29016-M5	280-PWRM24G-M050	104006A46M050	RSM44-050M
P29016-M10	280-PWRM24G-M100	104006A46M100	RSM44-100M

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"

	PART NUMBER		DESCRIPTION		ITEM		
QUANTITY		MATERIALS LIST					
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		Amphenol Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036			
1 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.		M22 POWERBOSS LITE, 4 PIN, MALE-STR, 14 AWG, TC-ER/STOOW, PVC JACKET			
MATERIAL SPECIFICATIONS:		PROCESS SPECIFICATIONS:		SIZE	TYPE	DWG NO:	REVISION
					C-	P29016-Mxxx	A1
NEXT ASSY:		SCALE: FULL		C-P29016		SHEET 1	OF 1

Mouser Electronics

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