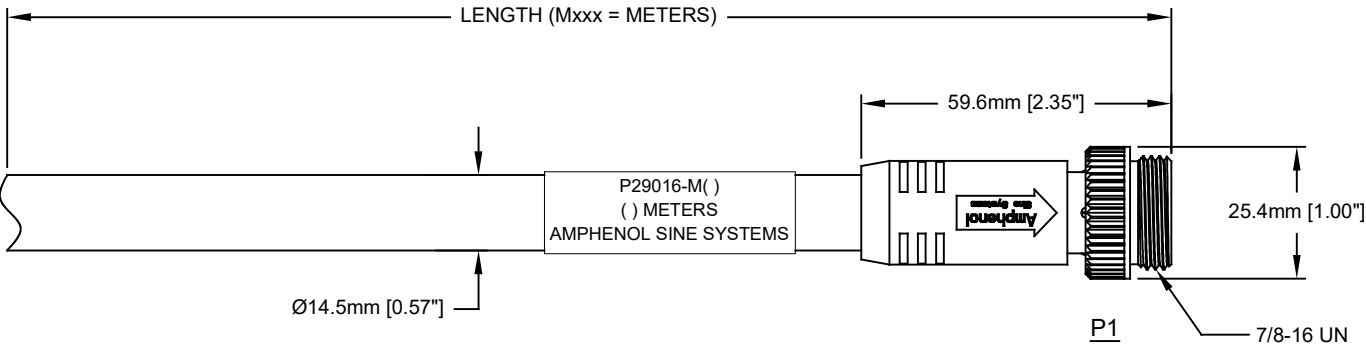
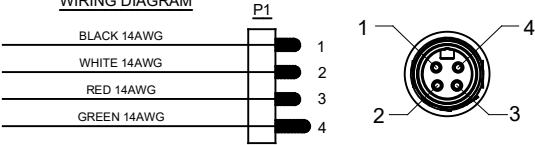


REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	TECHNICAL DATA SHEET RELEASE	12-MAY-14	KMM	RFC



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	Amphenol Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036 M22 POWERBOSS LITE, 4 PIN, MALE-STR, 14 AWG, TC-ER/STOOW, PVC JACKET
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 Fractions ±1/64		ENGINEER: KMM		
2 PL DEC ±0.15 Angles ±1°		APPROVAL: RFC	12-MAY-14	
3) Note reference =		CUSTOMER:		
MATERIAL 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.		
PROCESS SPECIFICATIONS:		SIZE	TYPE	DWG NO.
NEXT ASSY:		C-	P29016-Mxxx	A1
		SCALE	FULL	C-P29016
		SHEET	1	OF 1

Mouser Electronics

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[P29016-M2](#)