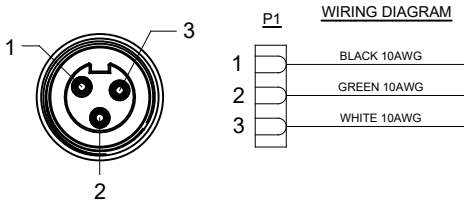
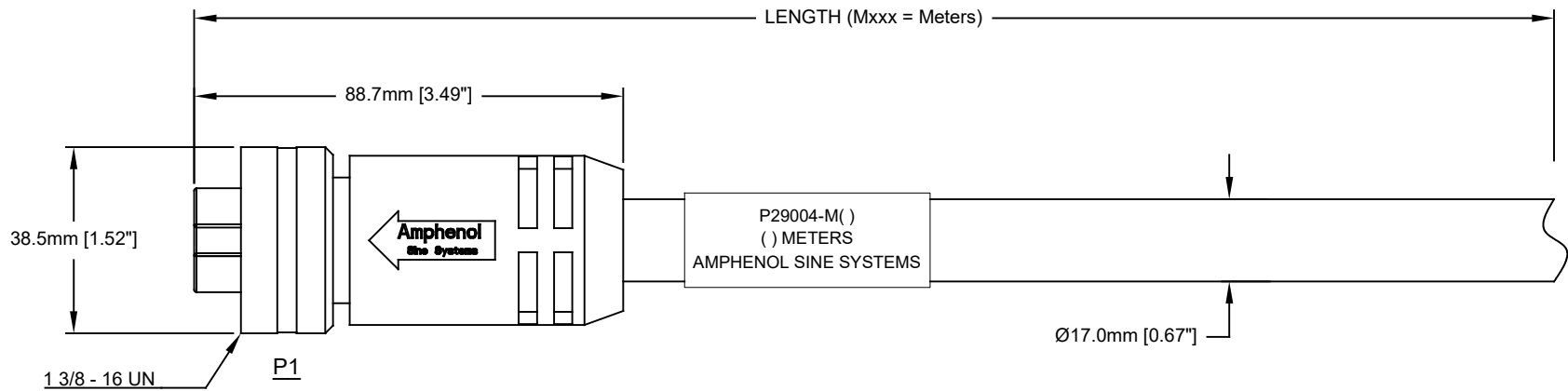


REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	TECHNICAL DATA SHEET RELEASE	12-MAY-14	KMM	RFC



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: (3) 10AWG
- 2) ELECTRICAL DATA:
- CURRENT (MAX): 30A
 - VOLTAGE (MAX): 600V AC/DC
 - INSULATION RESISTANCE (MIN): 5000M OHMS
 - DIELECTRIC TEST VOLTAGE: 2200V
 - SHORT CIRCUIT AMPERAGE RATING: 65kA - BREAKERS AND FUSES

- 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	MOLEX	TURCK
P29004-M*	C03000A48M*	GKDA30-*M
P29004-M1	C03000A48M010	GKDA30-010M
P29004-M2	C03000A48M020	GKDA30-020M
P29004-M3	C03000A48M030	GKDA30-030M
P29004-M5	C03000A48M050	GKDA30-050M
P29004-M10	C03000A48M100	GKDA30-100M

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
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 2 PL DEC ±0.15 3 PL DEC ±0.08		ENGINEER:	KMM		
3) Note reference = 		APPROVAL:	RFC	12-MAY-14	
MATERIAL SPECIFICATIONS:		CUSTOMER:		M35 POWERBOSS LITE, 3 PIN, FEMALE-STR, 10 AWG, TC-ER/STOOW, PVC JACKET	
PROCESS 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.			
NEXT ASSY:					
SIZE		TYPE	DWG NO:		REVISION
		C-	P29004-Mxxx		A1
SCALE		FULL		C-P29004	SHEET 1 OF 1