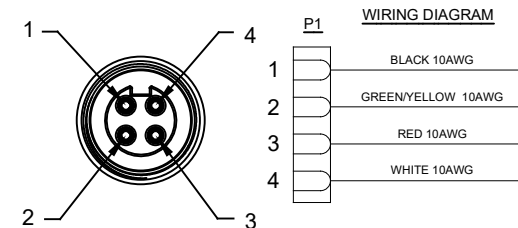
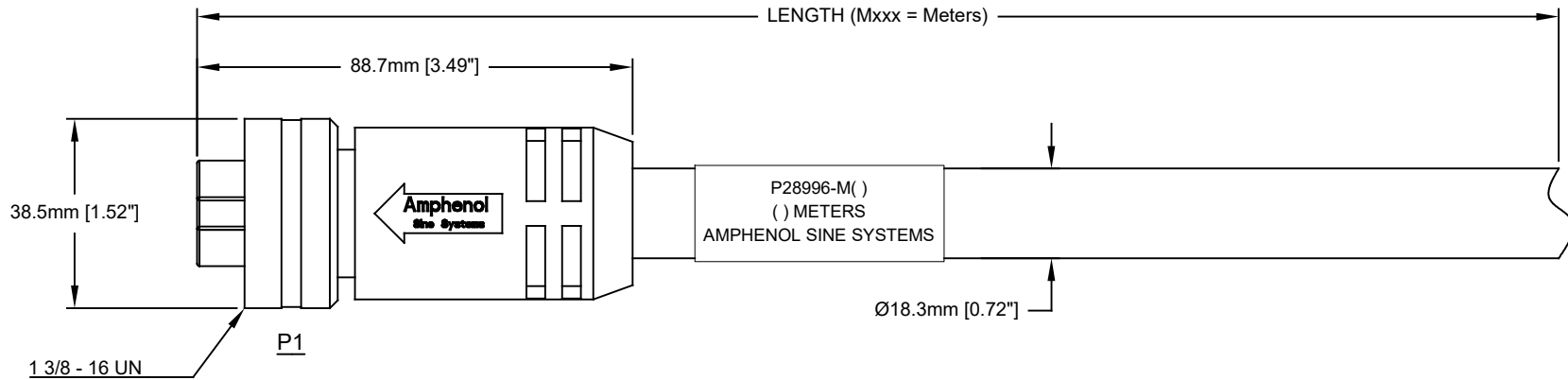


REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	TECHNICAL DATA SHEET RELEASE	12-MAY-14	KMM	RFC



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: 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) 10AWG
- 2) ELECTRICAL DATA:**
 CURRENT (MAX): 25A
 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	ROCKWELL P/N	MOLEX	TURCK
P28996-M*	280-PWRM35E-M*	C04000A48M*	GKDA40-*M
P28996-M1	280-PWRM35E-M010	C04000A48M010	GKDA40-010M
P28996-M2	280-PWRM35E-M020	C04000A48M020	GKDA40-020M
P28996-M3	280-PWRM35E-M030	C04000A48M030	GKDA40-030M
P28996-M5	280-PWRM35E-M050	C04000A48M050	GKDA40-050M
P28996-M10	280-PWRM35E-M100	C04000A48M100	GKDA40-100M

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
MATERIALS LIST			
<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		Amphenol Sine Systems - www.sine-amphenol.com 44724 Morley Drive Clinton Township, MI 48036	
<small>SIGNATURES</small> DRAWN: KMM CHECKED: MRF ENGINEER: KMM APPROVAL: RFC DATE: 12-MAY-14		M35 POWERBOSS LITE, 4 PIN, FEMALE-STR, 10 AWG, TC-ER/STOOW, PVC JACKET	
<small>MATERIAL SPECIFICATIONS:</small> CUSTOMER:		<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.</small>	
<small>PROCESS SPECIFICATIONS:</small> NEXT ASSY:		SIZE: C- SCALE: FULL	DWG NO: P28996-Mxxx SHEET 1 OF 1

TRM35 PB LITE, 4 PIN, F-STR, 10AWG, TC-ER/STOOW, PVC JACKET
 rev: A1
 sh: 1
 of: 1