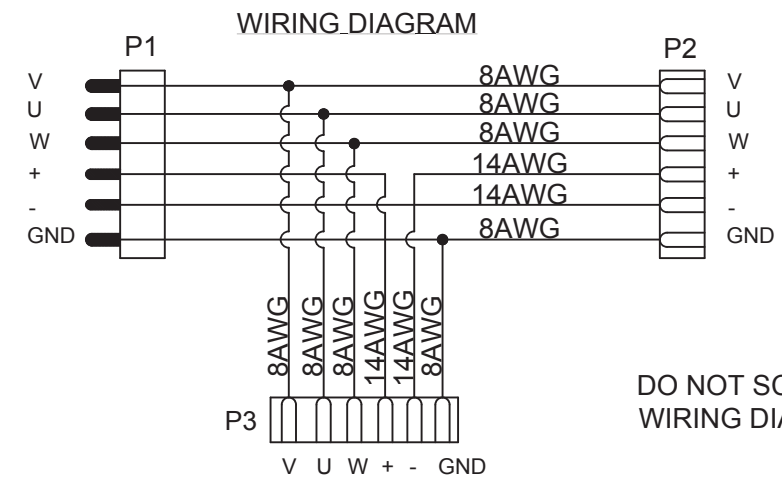
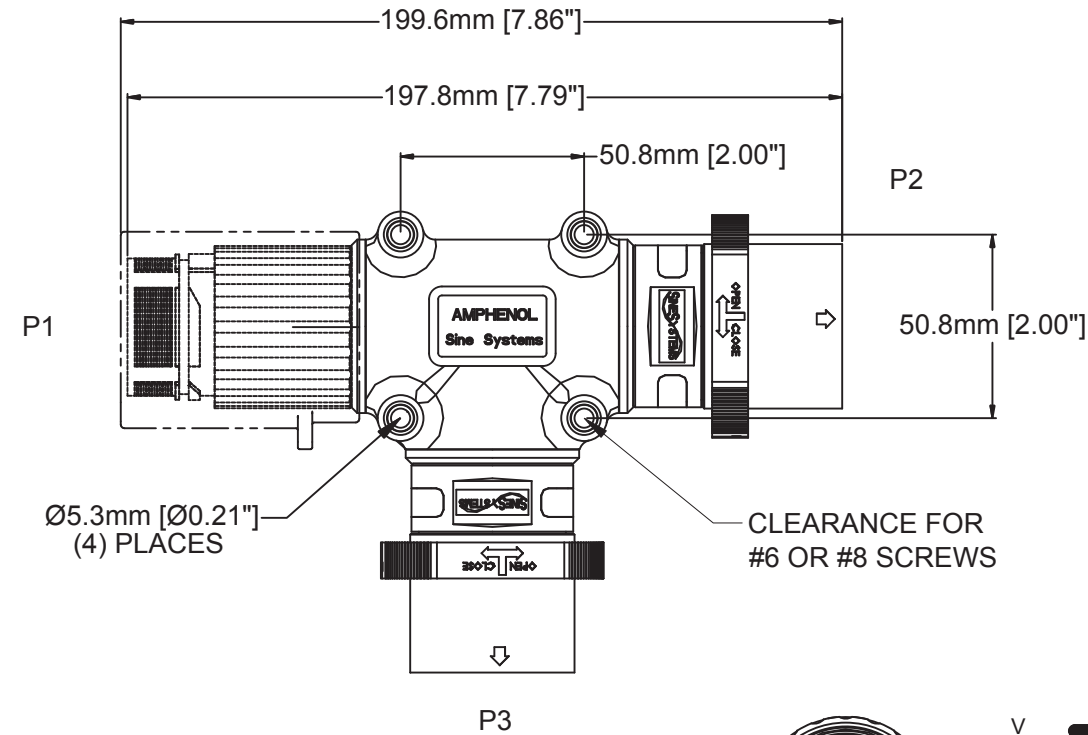
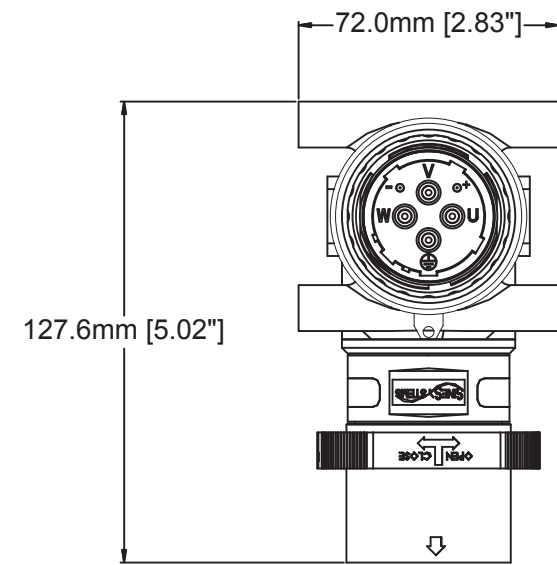


REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	TECHNICAL DATA SHEET RELEASE	05-JUN-14	KMM	RFC



DO NOT SCALE  
WIRING DIAGRAM

TECHNICAL DATA:

1) MATERIALS:

COUPLING NUT: MACHINED ALUMINUM, ANODIZED  
 BODY HOUSINGS: NICKEL PLATED ZINC DIE CAST  
 INSULATION INSERT: THERMOPLASTIC, UL 94V-0  
 CONTACT: GOLD FLASH PLATING OVER COPPER ALLOY  
 OVERMOLD MATERIAL: THERMOPLASTIC COLOR: BLACK  
 CONDUCTOR INSULATION: PVC  
 NUMBER OF CONDUCTORS: (4) 8AWG, (2) 14AWG

2) ELECTRICAL DATA:

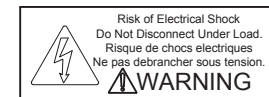
CURRENT (MAX): 32A  
 VOLTAGE (MAX): 600V AC/DC  
 INSULATION RESISTANCE (MIN): 5000M OHMS  
 DIELECTRIC TEST VOLTAGE: 2200V  
 SHORT CIRCUIT AMPERAGE RATING: 65KA - BREAKERS AND FUSES

3) MECHANICAL DATA:

TEMPERATURE RANGE: -20°C TO 105°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



QUANTITY	PART NUMBER	DESCRIPTION	ITEM
<b>MATERIALS LIST</b>			
UNLESS OTHERWISE SPECIFIED		SIGNATURES	DATE
1) All dimensions are in metric(mm).		DRAWN: KMM	05-JUNE-14
2) Tolerances are as follows:		CHECKED: MRF	05-JUNE-14
1 PL DEC ±0.30 Fractions ± 1/64		ENGINEER: KMM	
2 PL DEC ±0.15		APPROVAL: RFC	05-JUNE-14
3 PL DEC ±0.08			
3) Note reference = X			
MATERIAL SPECIFICATIONS:		CUSTOMER:	
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:		SCALE: FULL	
		SIZE: C	
		TYPE: C-	
		DWG NO: P30141	
		REVISION: A1	
		SCALE: FULL	
		C-P30141	
		SHEET 1 OF 1	

**Amphenol**

Sine Systems - www.amphenol-sine.com  
 44724 Morley Drive  
 Clinton Township, MI 48036

POWERBOSS CHECKMATE M40 TEE, 6 POS,  
 3 + PE (POWER), 2 (SIGNAL), BLACK

TITLE: POWERBOSS CHECKMATE BLACK  
 DWG NO: P30141  
 REV: A1  
 SHEET: 1 OF 1