



REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	FIRST RELEASE	Non 20, 2015	Drack	Tommy

-	MA7RAS1902	M23, RECP, R/A, ROT, 19POS, P TYPE, KEYED "S"	27
-	MA7RAR1902	M23, RECP, R/A, ROT, 19POS, P TYPE, KEYED "R"	26
-	MA7RAP1902	M23, RECP, R/A, ROT, 19POS, P TYPE	25
-	MA7RAG1902	M23, RECP, R/A, ROT, 19POS, E TYPE, KEYED "G"	24
-	MA7RAF1902	M23, RECP, R/A, ROT, 19POS, E TYPE, KEYED "F"	23
-	MA7RAE1902	M23, RECP, R/A, ROT, 19POS, E TYPE	22
-	MA7RAS1702	M23, RECP, R/A, ROT, 17POS, P TYPE, KEYED "S"	21
-	MA7RAR1702	M23, RECP, R/A, ROT, 17POS, P TYPE, KEYED "R"	20
-	MA7RAP1702	M23, RECP, R/A, ROT, 17POS, P TYPE	19
-	MA7RAG1702	M23, RECP, R/A, ROT, 17POS, E TYPE, KEYED "G"	18
-	MA7RAF1702	M23, RECP, R/A, ROT, 17POS, E TYPE, KEYED "F"	17
-	MA7RAE1702	M23, RECP, R/A, ROT, 17POS, E TYPE	16
-	MA7RAS1602	M23, RECP, R/A, ROT, 16POS, P TYPE, KEYED "S"	15
-	MA7RAR1602	M23, RECP, R/A, ROT, 16POS, P TYPE, KEYED "R"	14
-	MA7RAP1602	M23, RECP, R/A, ROT, 16POS, P TYPE	13
-	MA7RAG1602	M23, RECP, R/A, ROT, 16POS, E TYPE, KEYED "G"	12
-	MA7RAF1602	M23, RECP, R/A, ROT, 16POS, E TYPE, KEYED "F"	11
-	MA7RAE1602	M23, RECP, R/A, ROT, 16POS, E TYPE	10
-	MA7RAS1202	M23, RECP, R/A, ROT, 12POS, P TYPE, KEYED "S"	9
-	MA7RAR1202	M23, RECP, R/A, ROT, 12POS, P TYPE, KEYED "R"	8
-	MA7RAP1202	M23, RECP, R/A, ROT, 12POS, P TYPE	7
-	MA7RAG1202	M23, RECP, R/A, ROT, 12POS, E TYPE, KEYED "G"	6
-	MA7RAF1202	M23, RECP, R/A, ROT, 12POS, E TYPE, KEYED "F"	5
-	MA7RAE1202	M23, RECP, R/A, ROT, 12POS, E TYPE	4
QUANTITY	PART NUMBER	DESCRIPTION	ITEM

- NOTES: UNLESS OTHERWISE SPECIFIED
- MATERIAL:  
INSULATION INSERT: PA66,UL94 V0  
SEAL: VITON  
HOUSING BODY: ZINC DIE CAST, NICKEL PLATED
  - SPECIFICATIONS:  
2.1 CURRENT RATING: 10 AMPS - 12 POSITION  
9 AMPS - 16 POSITION  
9 AMPS - 17 POSITION  
7 AMPS - 19 POSITION  
2.2 VOLTAGE RATING: 160V AC/DC - 12 POSITION  
125V AC/DC - 16 POSITION  
125V AC/DC - 17 POSITION  
63V AC/DC - 19 POSITION  
2.3 OPERATING TEMPERATURE: -20°C TO +130°C  
2.4 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 2500 VOLTS AC.  
2.5 DEGREE OF PROTECTION: IP67 ( MATED CONDITION )  
2.6 DEGREE OF POLLUTION: 3 PER UL840  
2.7 OVERVOLTAGE CATEGORY: III PER UL840  
2.8 MATING CYCLE DURABILITY: >500 CYCLES  
2.9 RoHS COMPLIANT
  - ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

**MATERIALS LIST**

UNLESS OTHERWISE SPECIFIED 1) All dimensions are in metric(mm). 2) Tolerances are as follows: 1 PL DEC ±0.30 2 PL DEC ±0.15 3 PL DEC ±0.08 3) Note reference =	SIGNATURES DRAWN: Drack CHECKED: ENGINEER: APPROVAL:	DATE Nov 20, 2015	<h1>Amphenol</h1> <p>Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036</p>		
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.		SIZE <b>B C-</b>	DWG NO: <b>MA7RAxxx02</b>	REVISION <b>A1</b>
NEXT ASSY:	SCALE: NONE	C-MA7RAxxx02	SHEET 1	OF 1	

TITLE: M23 RECEPTACLE, ANGLED, ROTATABLE, CHECKMATE  
DWG NO: MA7RAxxx02  
REV: A1  
SH: 1  
OF: 1

M23, RECP, ANGLED, ROTATABLE, CHECKMATE