



REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	FIRST RELEASE	APR.13,2016	Drack	Tommy

NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL:  
INSULATION INSERT: PA66,UL94 V0  
SEAL: VITON OR EPDM  
HOUSING BODY: ZINC DIE CAST, NICKEL PLATED  
COUPLING NUT: COPPER ALLOY, NICKEL PLATED  
EMI SHIELDING RING: STAINLESS STELL  
CONTACT: COPPER ALLOY, GOLD PLATED
2. SPECIFICATIONS:  
2.1 CURRENT RATING: SIGNAL: 10 AMPS  
POWER: 30AMPS  
2.2 VOLTAGE RATING: SIGNAL: 250V AC/DC  
POWER: 630V AC/DC  
2.3 CONTACT RESISTANCE: SIGNAL: <5 mOHMS  
POWER: <3 mOHMS  
2.4 OPERATING TEMPERATURE: -20°C TO +130°C  
2.5 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2  
MILLIAMPS CURRENT LEAKAGE @ SIGNAL: 2500VOLTS AC.  
POWER: 6000 VOLTS AC.  
2.6 DEGREE OF PROTECTION: IP67 ( MATED CONDITION )  
2.7 DEGREE OF POLLUTION: 3 PER UL840  
2.8 OVERVOLTAGE CATEGORY: III PER UL840  
2.9 MATING CYCLE DURABILITY: >500 CYCLES
3. CORD GRIP RANGE: 11mm TO 14.5mm.
4. CONTACT BARREL RANGE: SIGNAL: 18AWG TO 22AWG  
POWER: 14AWG TO 18AWG
5. RECOMMENDED CRIMP TOOLS:  
HAND CRIMPER: SIGNAL: AFM8 AND SK2/2  
POWER: AF8 AND UH2-5  
PNEUMATIC CRIMPER: SIGNAL: WA22 AND SK2/2  
POWER: WA27F AND UH2-5
6. EXTRACTION TOOL: SIGNAL: 50-54931-1  
POWER: 50-54931-2
7. ASSEMBLY INSTRUCTIONS: S3-15225
8. RoHS COMPLIANT
9. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

1	MB3CG-S2	CORD GRIP, 11-14.5mm	4
4	SC000045	CONTACT, SOCKET, Ø2.0mm	3
5	SC000044	CONTACT, SOCKET, Ø1.0mm	2
1	MB1CKN0900	CONNECTOR	1
QUANTITY	PART NUMBER	DESCRIPTION	ITEM

MATERIALS LIST									
<div>UNLESS OTHERWISE SPECIFIED</div> <div>1) All dimensions are in metric(mm).</div> <div>2) Tolerances are as follows:</div> <div>1 PL DEC ±0.30</div> <div>2 PL DEC ±0.15</div> <div>3 PL DEC ±0.08</div> <div>3) Note reference = <div><div>X</div></div></div>		SIGNATURES		DATE		<div>Amphenol</div> <div>Sine Systems - <a href="http://www.amphenol-sine.com">www.amphenol-sine.com</a></div> <div>44724 Morley Drive</div> <div>Clinton Township, MI 48036</div>			
		DRAWN: Drack		APR.13,2016					
		CHECKED:							
		ENGINEER:				KIT,M23B,PLUG,STRAIGHT,9POS(4+5)			
		APPROVAL:							
MATERIAL SPECIFICATIONS:		CUSTOMER:				SIZE B			
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PROCESS SPECIFICATIONS:						DWG NO: MB1CKN0900-KIT			
NEXT ASSY:						SCALE: NONE			

TITLE: KIT,M23B,PLUG,STRAIGHT,9POS(4+5)

DWG NO: MB1CKN0900-KIT

REV: A1

SH: 1

OF: 1

# Mouser Electronics

Authorized Distributor

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