

REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	FIRST RELEASE	Apr.12,2017	Regan	Tommy

NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL:
INSULATION INSERT:PA66,UL94 V0
SEAL: VITON, EPDM
HOUSING BODY: ZINC DIE CAST, NICKEL PLATED
COUPLING NUT: ZINC DIE CAST, NICKEL PLATED
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
2.10 RoHS COMPLIANT

3. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

Item	Part number	Cable OD Range
1	MB5CKN0900-S1	7.5~11.0 mm
2	MB5CKN0900-S2	11.0~14.5 mm
3	MB5CKN0900-S3	14.5~17.0 mm

5	SC000385	Socket contact,1.0mm,Crimp 24~28AWG	4
5	SC000259	Socket contact,1.0mm,Crimp 18~22AWG	3
4	SC000260	Socket contact,2.0mm,Crimp 14~18AWG	2
1	MB5CKN0900-Sx	CONNECTOR	1
QUANTITY	PART NUMBER	DESCRIPTION	ITEM

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		DATE		Amphenol Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036
	DRAWN: Regan		Apr.12,17		
	CHECKED:				
	ENGINEER:				
	APPROVAL:				
MATERIAL SPECIFICATIONS:	CUSTOMER:		KIT;M23B,PLUG,STR,9POS(4+5),CHECKMATE		
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
	B	C-	MB5CKN0900-Sx-KIT		A1
	SCALE: NONE				SHEET 1 OF 1

