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REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	FIRST RELEASE	Nov.6,2017	White	Tommy
A2	-	ADDED ITEM 5 TO BOM.	12/13/2021	RO	RO

NOTES: UNLESS OTHERWISE SPECIFIED

- 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
- SPECIFICATIONS:
  - CURRENT RATING: SIGNAL: 10 AMPS  
POWER: 30AMPS
  - VOLTAGE RATING: SIGNAL: 250V AC/DC  
POWER: 630V AC/DC
  - CONTACT RESISTANCE: SIGNAL: <5 mOHMS  
POWER: <3 mOHMS
  - OPERATING TEMPERATURE: -20°C TO +130°C
  - DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ SIGNAL: 2500VOLTS AC.  
POWER: 6000 VOLTS AC.
  - DEGREE OF PROTECTION: IP67 ( MATED CONDITION )
  - DEGREE OF POLLUTION: 3 PER UL840
  - OVERVOLTAGE CATEGORY: III PER UL840
  - MATING CYCLE DURABILITY: >500 CYCLES
  - RoHS COMPLIANT

3. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

Item	Part number	Connector P/N	Cable OD Range
1	MB5CKN0800-S1-KIT	MB5CKN0800-S1	7.5~11.0 mm
2	MB5CKN0800-S2-KIT	MB5CKN0800-S2	11.0~14.5 mm
3	MB5CKN0800-S3-KIT	MB5CKN0800-S3	14.5~17.0 mm

4	SC000523	M23B, ELITE SERIES, 2.0MM SOCKET	5
4	SC000385	Socket contact, 1.0mm, Crimp 24~28AWG	4
4	SC000259	Socket contact, 1.0mm, Crimp 18~22AWG	3
4	SC000260	Socket contact, 2.0mm, Crimp 14~18AWG	2
1	MB5CKN0800-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 Fractions ±1/64 Angles ±1° 3) Note reference =		SIGNATURES	DATE
		DRAWN: White	Nov.6,2017
		CHECKED: Tod	Nov.6,2017
		ENGINEER:	
		APPROVAL: Tommy	Nov.6,2017
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: NONE	

# Amphenol

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

KIT;M23B,PLUG,STR,8POS(4+4),CHECKMATE			
SIZE	TYPE	DWG NO.	REVISION
B	C-	MB5CKN0800-Sx-KIT	A2
SHEET 1 OF 1			

TITLE: KIT;M23B,PLUG,STR,8POS(4+4),CHECKMATE

DWG NO.: MB5CKN0800-Sx-KIT

REV: A2

SH: 1

OF: 1