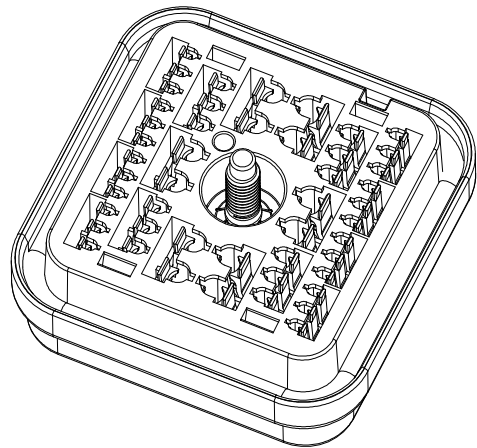
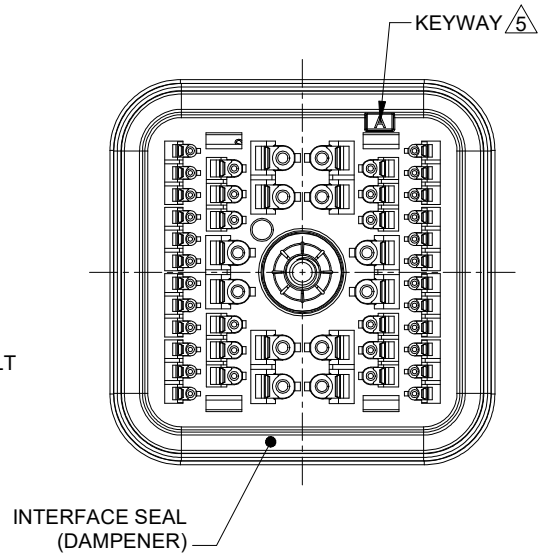
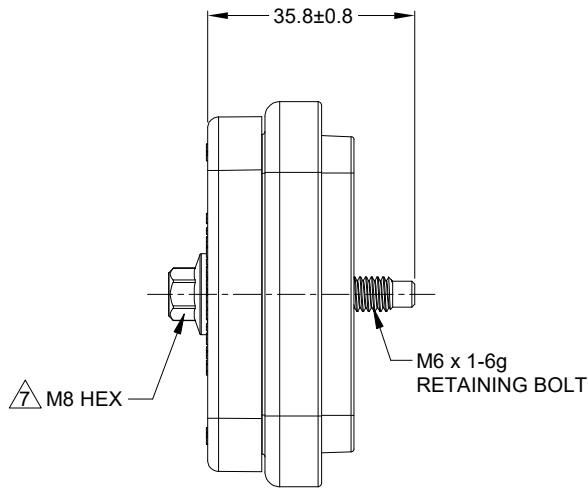
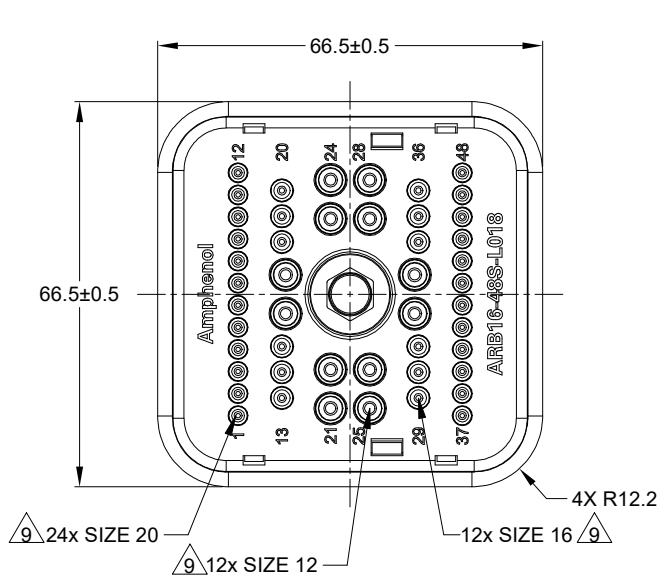


REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE NEW DRAWING	09/MAR/23	IAN	TOMMY



NOTES: UNLESS OTHERWISE SPECIFIED

- MATERIAL:
HOUSING, END CAP: THERMOPLASTIC, BLACK
SEAL: SILICONE RUBBER
BOLT AND CLIP: STAINLESS STEEL
- MODIFICATIONS: REDUCED DIAMETER WIRE SEAL;
- SPECIFICATIONS:
3.1 OPERATING TEMPERATURE: -55°C TO +125°C
3.2 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 1500 VOLTS AC
3.3 INSULATION RESISTANCE: 1000 MEGOHMS MIN @ 25°C
3.4 MOISTURE RESISTANCE:
IP68 (IM OF WATER FOR A PERIOD OF 24 HOURS, MATED CONDITION);
IP69K(MATED CONDITION)
3.5 MATING CYCLE DURABILITY: 100 CYCLES
3.6 RoHS COMPLIANT
- MATING PART: ARB12-48PxR-XXXX RECEPTACLE
(x = A,B,C,D KEYS ; XXXX = ALL MODIFICATIONS)

5. SEE SHEET 2 FOR OTHER KEY ARRANGEMENTS

6. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY

7. MATING TORQUE REQUIREMENT: 30 - 35 IN-LB [3.38 - 3.95 Nm]

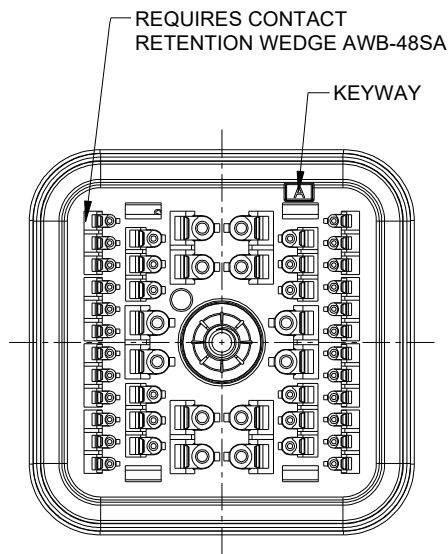
8. ITEMS SOLD SEPARATELY:
WEDGE: AWB-48Sx (x = A,B,C,D KEYS)
INTERFACE FLANGE: ARBF-2x (x = A,B,C,D KEYS)

9. CONTACT SIZE AND REAR SEAL WIRE RANGE:

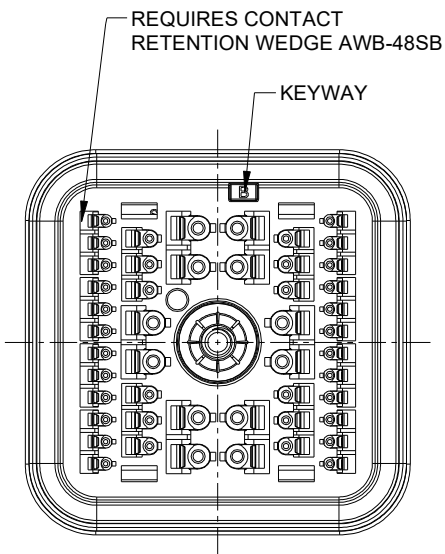
CONTACT SIZE	MIN. INSUL O.D.	MAX. INSUL O.D.	TYPICAL WIRE RANGE	CURRENT RATING
12	2.46 mm (.097 in)	4.013 mm (.158 in)	10 - 14 AWG (6.0 - 2.0 mm ²)	25 AMPS
16	1.35 mm (.053 in)	3.048 mm (.120 in)	14 - 20 AWG (2.0 - 0.5 mm ²)	13 AMPS
20	1.02 mm (.040 in)	2.413 mm (.095 in)	16 - 22 AWG (1.5-0.35 mm ²)	7.5 AMPS

QUANTITY	SEE SHEET 2 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 DRAWN: IAN.XIAO CHECKED: SULLEN.ZHANG ENGINEER: APPROVAL: TOMMY.XIE CUSTOMER: 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.	DATE 09/MAR/23 09/MAR/23 11/MAR/23
MATERIAL SPECIFICATIONS: WEIGHT:95.8g		Amphenol Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036	
PROCESS SPECIFICATIONS: NEXT ASS'Y:		48 POS,PLUG,SOCKET,ARB SERIES, REDUCED SEAL,BLACK	
SIZE B C-		DWG NO: ARB16-48SxR-L018	REVISION A1
SCALE: NONE		SHEET 1 OF 2	

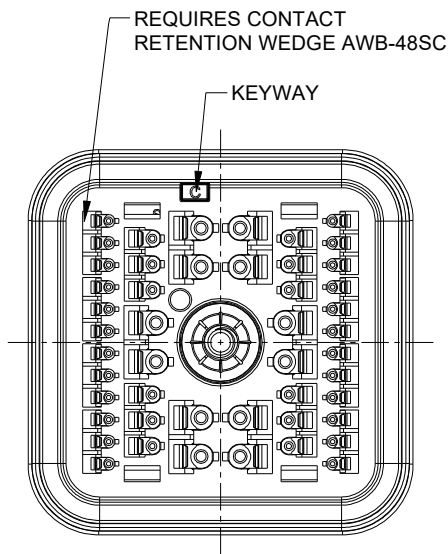
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE NEW DRAWING	09/MAR/23	IAN	TOMMY



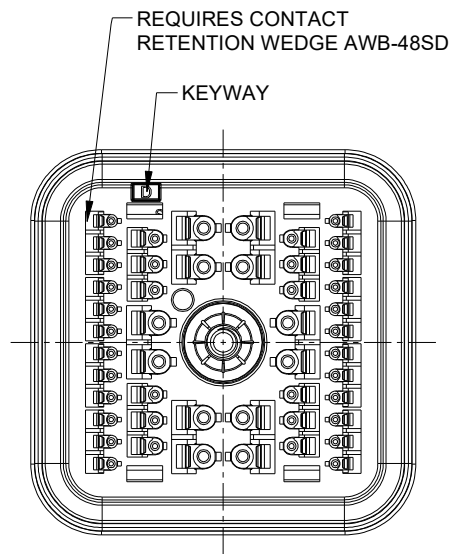
PART NUMBER	REF
ARB16-48SAR-L018	DRB16-48SAE-L018



PART NUMBER	REF
ARB16-48SBR-L018	DRB16-48SBE-L018



PART NUMBER	REF
ARB16-48SCR-L018	DRB16-48SCE-L018



PART NUMBER	REF
ARB16-48SDR-L018	DRB16-48SDE-L018

ARB16-48SxR-L018			
QUANTITY	PART NUMBER	DESCRIPTION	ITEM
MATERIALS LIST			
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PROCESS SPECIFICATIONS:		48 POS,PLUG,SOCKET,ARB SERIES, REDUCED SEAL,BLACK	
NEXT ASS'Y:		SIZE B	TYPE C-
		DWG NO: ARB16-48SxR-L018	REVISION A1
		SCALE: NONE	SHEET 2 OF 2