REVISIONS

REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	NEW RELEASE	09DEC23	MN	
A2	-	MODIFIED BUSS PLATE	15JAN24	JHEAD	
A3	-	ADDED -CN TO P/N, ADDED CLINCH NUT AND BOLT ASSY, ADDED P/N TO HSG	14JUN24	JHEAD	TZ

71.8

57.5

28.7

SIZE 12 CONTACTS
(16 PLACES)

2X Ø6.6 SLEEVE
FOR 1/4-20 THRU BOLT

Amphenol
AHDPHB04-24-16P-RED-CN

MAIN POLARIZING KEYWAY

51.6

91.5

37.6

2.4

LOCK WASHER

FLAT WASHER

BOLT UNC 3/8"-16

MAX TORQUE 20 N-M

15.6
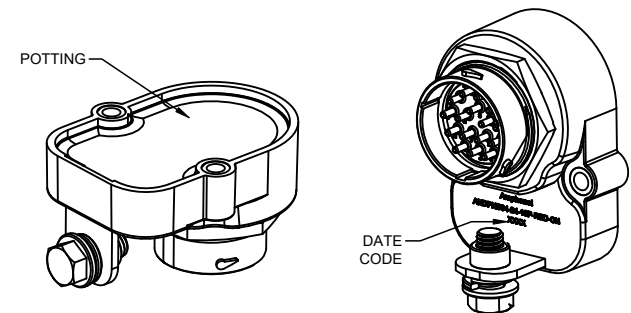
35.2

2X 18.2

POTTING

DATE CODE

NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL:
   HOUSING: THERMOPLASTIC
   CONTACTS: COPPER ALLOY; NICKEL PLATED
   BRACKET: COPPER ALLOY; NICKEL PLATED
   SLEEVES: ALUMINUM; BLACK ANNODIZED
   BOLT, NUT, WASHERS: STAINLESS STEEL

2. MODIFICATIONS: ALL 16 PINS BUSSED TOGETHER.

3. SPECIFICATIONS:
   3.1 CURRENT RATING: 400 AMPS MAX. 25A EACH PIN.
   3.2 OPERATING TEMPERATURE: -55°C TO +125°C
   3.3 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 1500 VOLTS AC.
   3.4 INSULATION RESISTANCE: 1000 MEGOHMS MIN @ 25°C.
   3.5 MOISTURE RESISTANCE:
       IP68(IM OF WATER FOR A PERIOD OF 24 HOURS, MATED CONDITION);
       IP69K (MATED CONDITION)
   3.6 MATING CYCLE DURABILITY: 100 CYCLES
   3.7 RoHS COMPLIANT

4. MATING PART: AHDP06-24-16S* PLUG
   (* = MODIFICATIONS AND COLORS)

5. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

PART NUMBER CHART

COLOR	PART NUMBER
RED	AHDPHB04-24-16P-RED-CN
BLACK	AHDPHB04-24-16P-BLK-CN

MATERIALS LIST

	SEE PART NUMBER CHART		
	PART NUMBER	DESCRIPTION	ITEM
QUANTITY			

SIGNATURES	DATE
DRAWN: MN	09DEC23
CHECKED:	
ENGINEER:	
APPROVAL:	
CUSTOMER:	

MATERIAL SPECIFICATIONS:

PROCESS SPECIFICATIONS:

NEXT ASS'Y:

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

SIZE 24, 16 POS, RECEPT, DURAMATE AHDP W/ HYPERBUSS, PLASTIC, BUSSED, POTTED

SIZE: B   TYPE: C-   DWG NO: AHDPHB04-24-16P-X-CN   REVISION: A3

SCALE: NONE   SHEET 1 OF 1