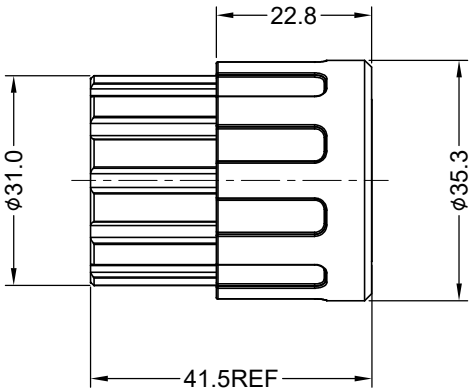
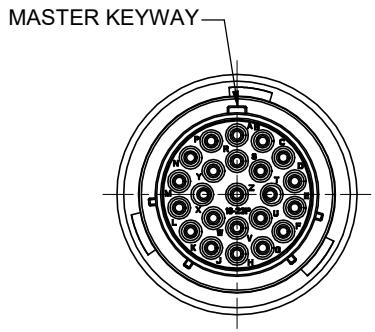
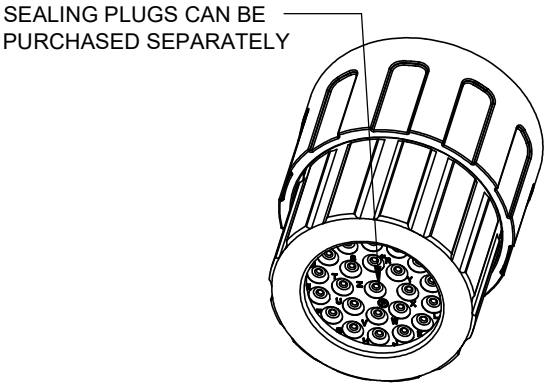
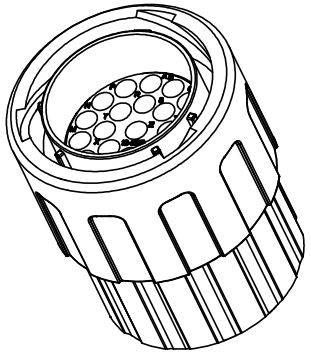
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	–	FIRST RELEASED	Feb-26-2024	Joe	Tommy









NOTES: (UNLESS OTHERWISE SPECIFIED)

1. MATERIAL:
   SHELL: THERMOPLASTIC, UL94 V-0.
   INSERT: THERMOPLASTIC, UL94 V-0.
   COUPLING NUT: THERMOPLASTIC, UL94 V-0.
   O-RING: NBR OR SILICONE RUBBER.
   WASHER: SILICONE RUBBER.
   END CAP: THERMOPLASTIC, UL94 V-0.
   PLASTIC RING: THERMOPLASTIC, UL94 V-0.
   WIRE SEAL: SILICONE RUBBER.
2. SPECIFICATIONS:
   2.1, RATED CURRENT: 13A (MAX).
   2.2, RATED VOLTAGE: 500V(AC/DC).
   2.3, OPERATING TEMPERATURE: SEE TABLE.
   2.4, DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE@2000 VOLTS AC.
   2.5, INSULATION RESISTANCE: 5000 MEGOHMS MIN.
   2.6, IP-CLASS: IP67 AND IP69K IN THE MATED CONDITION, WIRE SEALS FULLY POPULATED.
   2.7, MATING CYCLES DURABILITY: 500 CYCLES MIN.
   2.8, RoHS COMPLIANT.
3. SUITABLE CONTACTS : 16# CONTACT.
4. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.
5. CONTACT SIZE AND REAR SEAL WIRE RANGE:

CONTACT SIZE	MIN. INSUL O.D.	MAX. INSUL O.D.	WIRE RANGE
16#	∅1.2MM	∅2.1MM	14 - 24AWG

KEY	PART NUMBER	
	-40°C ~ 105°C	-40°C ~ 125°C
N	RTS6BS18N23PHECR	RTS6BS18N23PHEC03R

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 | Fractions ±1/64
2 PL DEC ±0.15 | Angles ±1°
3 PL DEC ±0.08
3) Note reference = △

MATERIAL SPECIFICATIONS:

PROCESS SPECIFICATIONS:

NEXT ASS'Y:

SIGNATURES		DATE
DRAWN:	Joe	Feb-26-2024
CHECKED:		
ENGINEER:		
APPROVAL:	Tommy	Feb-27-2024
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.

Amphenol

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

EcoMate Aquarius,PLUG,END CAP,
23POS,PIN CONTACT,SIZE 18,REDUCED WIRE SEALS.

SIZE	TYPE	DWG NO:	REVISION
B	C-	RTS6BS18*23PHECxxR	A1

SCALE: NONE SHEET 1 OF 1

TITLE: EcoMate Aquarius,PLUG,END CAP,23POS,PIN CONTACT,SIZE 18,REDUCED WIRE SEALS.
DWG NO: RTS6BS18*23PHECxxR
REV: A1
SH: 1
OF: 1