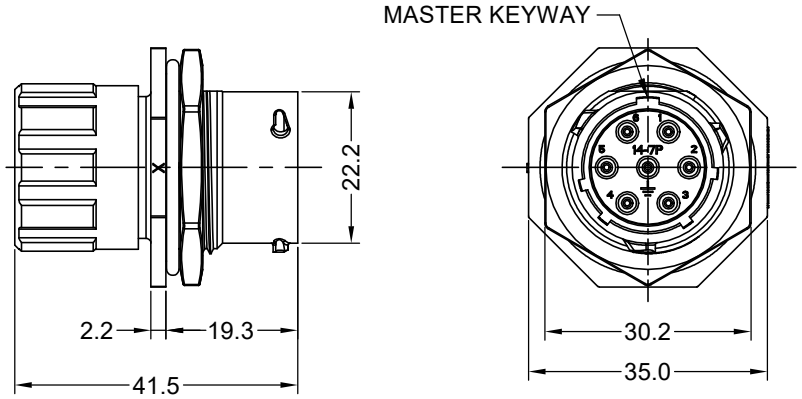
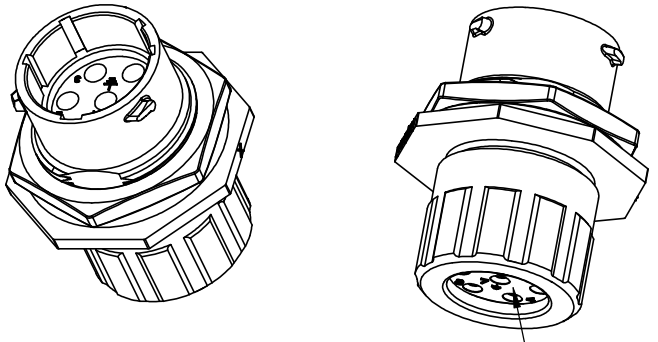
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	–	FIRST RELEASED	JAN-24-2024	JUN	TOMMY



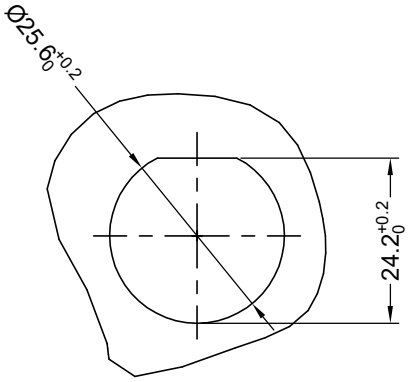


SEALING PLUGS CAN BE
PURCHASED SEPARATELY

NOTES: (UNLESS OTHERWISE SPECIFIED)

1. MATERIAL:
   - SHELL: THERMOPLASTIC, UL94 V-0.
   - INSERT: THERMOPLASTIC, UL94 V-0.
   - O-RING: NBR OR SILICONE RUBBER.
   - SEAL GASKET: NBR OR SILICONE RUBBER.
   - END CAP: THERMOPLASTIC, UL94 V-0.
   - PLASTIC RING:THERMOPLASTIC, UL94 V-0.
   - WIRE SEAL: SILICONE RUBBER.
2. SPECIFICATIONS:
   - 2.1 RATED CURRENT: 13 A (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	Insulation Overall Diameter(min-max)	Wire Range
16#	Ø1.2mm - Ø2.1mm	14 - 24AWG



PANEL CUT OUT REFERENCE

KEY	PART NUMBER	
	-40°C ~ 105°C	-40°C ~ 125°C
N	RTS714N7PHECR	RTS714N7PHEC03R

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 = X

MATERIAL SPECIFICATIONS:

PROCESS SPECIFICATIONS:

NEXT ASS'Y:

SIGNATURES		DATE
DRAWN:	JUN	JAN-24-2024
CHECKED:	JOE	JAN-26-2024
ENGINEER:		
APPROVAL:	TOMMY	JAN-30-2024
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,RECEPTACLE, END CAP,
JAM NUT, SIZE 14, 7 POS, PIN,REDUCED WIRE SEALS

SIZE	TYPE	DWG NO:	REVISION
B	C-	RTS714*7PHECxxR	A1

SCALE: NONE SHEET 1 OF 1

TITLE: EcoMate Aquarius, RECEPTACLE,END CAP, JAM NUT, SIZE 14, 7 POS, PIN,REDUCED WIRE SEALS
DWG NO: RTS714*7PHECxxR
REV: A1
SH: 1
OF: 1