



KEY	PART NUMBER	
	-40°C ~ 105°C	-40°C ~ 125°C
N	RTS6BS12N8SHECR	RTS6BS12N8SHEC03R

REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	FIRST RELEASED	JAN-8-2024	JUN	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# CONTACTS.
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#	φ1.2mm - φ2.1mm	14 - 24AWG

QUANTITY	PART NUMBER	DESCRIPTION	ITEM
MATERIALS LIST			
UNLESS OTHERWISE SPECIFIED		SIGNATURES	
1) All dimensions are in metric(mm).		DATE	
2) Tolerances are as follows:		DRAWN: JUN	
1 PL DEC ±0.30		JAN-8-2024	
2 PL DEC ±0.15		CHECKED: JOE	
3 PL DEC ±0.08		JAN-10-2024	
3) Note reference =		ENGINEER:	
		APPROVAL: TOMMY	
		Oct-12-2020	
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:		EcoMate Aquarius, PLUG, END CAP, 8POS, SOCKET CONTACT, SIZE 12, REDUCED WIRE SEALS	
		Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036	
		EcoMate Aquarius, PLUG, END CAP, 8POS, SOCKET CONTACT, SIZE 12, REDUCED WIRE SEALS	
		SIZE TYPE DWG NO: B C- RTS6BS12*8SHECxxR	
		SCALE: NONE	
		SHEET 1 OF 1	

TITLE: EcoMate Aquarius, PLUG, END CAP, 8POS, SOCKET CONTACT, SIZE 12, REDUCED WIRE SEALS
DWG NO: RTS6BS12*8SHECxxR
REV: A1
SH: 1
OF: 1