



REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
B1	-	RELEASED DRAWING	NOV-29-2014	BEN	TOMMY
B2	-	UPDATE RATED VOLTAGE	OCT-28-2022	JUN	TOMMY
B3	-	UPDATE RATED CURRENT	MAY-3-2023	JUN	TOMMY

NOTES: (UNLESS OTHERWISE SPECIFIED)

- MATERIAL:
 - SHELL: ZINC ALLOY, NICKEL PLATED.
 - INSERT: THERMOPLASTIC, UL94 V-0.
 - END CAP: THERMOPLASTIC, UL94 V-0.
 - COUPLING NUT: AL ALLOY, NICKEL PLATED.
 - WAVE WASHER: STAINLESS STEEL.
 - O-RING: NBR/SILICONE RUBBER.
 - WIRE SEAL: SILICONE RUBBER.
 - PLASTIC BUSHING: THERMOPLASTIC, UL94 V-0.
- SPECIFICATIONS:
 - 2.1 RATED CURRENT: 3A (MAX).
 - 2.2 RATED VOLTAGE: 500V (AC/DC).
 - 2.3 OPERATING TEMPERATURE: SEE CHART.
 - 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.
 - 2.7 MATING CYCLES DURABILITY: 500 CYCLES(MIN).
 - 2.8 ROHS COMPLIANT.
- SUITABLE CONTACTS : 16# CONTACTS.
- ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.
- CONTACT SIZE AND REAR SEAL WIRE RANGE:

CONTACT SIZE	MIN. INSUL O.D.	MAX. INSUL O.D.	WIRE RANGE
16#	Ø2.0mm	Ø3.2mm	14 - 24AWG

KEY POS	PART NUMBER	
	-40°C ~ 105°C	-40°C ~ 125°C
N	RT062028SNHEC	RT062028SNHEC03
W	RT062028SWHEC	RT062028SWHEC03
X	RT062028SXHEC	RT062028SXHEC03
Y	RT062028SYHEC	RT062028SYHEC03
Z	RT062028SZHEC	RT062028SZHEC03

QUANTITY	SEE PART NUMBER CHART	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 Fractions ±1/64 Angles ±1° 3) Note reference =		SIGNATURES DATE DRAWN: JUN MAY-3-2023 CHECKED: JOE MAY-5-2023 ENGINEER: APPROVAL: TOMMY MAY-8-2023 CUSTOMER:	
MATERIAL SPECIFICATIONS: PROCESS SPECIFICATIONS: NEXT ASSY:		<div style="text-align: center;"> Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036 </div> <div style="text-align: center;"> EcoMate Aquarius, PLUG, SIZE 20, 28POS, SOCKET, END CAP. </div> <div style="display: flex; justify-content: space-between;"> <div> SIZE TYPE DWG NO: B C- RT062028S*HEC* </div> <div> REVISION B3 </div> </div> <div style="display: flex; justify-content: space-between;"> <div> SCALE NONE SHEET 1 OF 1 </div> </div>	

TITLE: EcoMate Aquarius, PLUG, SIZE 20, 28POS, SOCKET, END CAP. DWG NO.: RT062028S*HEC* REV: B3 SH: 1 OF: 1