



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: 13A (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. INS O.D.	WIRE RANGE
16#	Ø2.0mm	Ø3.2mm	14 - 24AWG

REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
B1	-	RELEASED DRAWING	NOV-23-2014	BEN	TOMMY
B2	-	MODIFY DIMENSION	JULY-10-2015	BEN	TOMMY
B3	-	MODIFY DIMENSION	MAR-17-2016	BEN	TOMMY
B4	-	UPDATE RATED VOLTAGE	OCT-28-2022	JUN	TOMMY

KEY POS	PART NUMBER	
	-40°C ~ 105°C	-40°C ~ 125°C
N	RT061619PNHEC	RT061619PNHEC03
W	RT061619PWHEC	RT061619PWHEC03
X	RT061619PXHEC	RT061619PXHEC03
Y	RT061619PYHEC	RT061619PYHEC03
Z	RT061619PZHEC	RT061619PZHEC03

SEE PART NUMBER CHART				
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 2 PL DEC ±0.15 3 PL DEC ±0.08 3) Note reference =		SIGNATURES DRAWN: JUN OCT-28-2022 CHECKED: ORION NOV-3-2022 ENGINEER: APPROVAL: TOMMY NOV-7-2022 CUSTOMER:	DATE	
MATERIAL 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.		
PROCESS SPECIFICATIONS:		SIZE TYPE DWG NO: RT061619P*HEC* REVISION B4		
NEXT ASSY:		SCALE NONE SHEET 1 OF 1		

TITLE: EcoMate Aquarius, PLUG, SIZE 16, 19POS, PIN, END CAP. DWG NO: RT061619P*HEC* REV: B4 SH: 1 OF: 1