



NOTES : (UNLESS OTHERWISE SPECIFIED)

1. MATERIAL :

- 1.1 SHELL : THERMOPLASTIC , UL94 V-0.
- 1.2 INSERT : THERMOPLASTIC , UL94 V-0.
- 1.3 O-RING : NBR/SILICONE RUBBER.
- 1.4 BACK SHELL : THERMOPLASTIC , UL94 V-0.
- 1.5 CLAMP NUT : THERMOPLASTIC , UL94 V-0.
- 1.6 CLAMP RING : THERMOPLASTIC , UL94 V-0.
- 1.7 CABLE SEAL : EPDM.

2. SPECIFICATIONS :

- 2.1 RATED CURRENT :
 - 2.1.1 2.5mm 20A (MAX) .
 - 2.1.2 16# 5A (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.
- 2.7 MATING CYCLES DURABILITY : 500 CYCLES MIN.
- 2.8 RoHS COMPLIANT.

3. SUITABLE CONTACTS : 2.5mm & 16# CONTACTS.

4. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

DIMENSION ϕA	CABLE OD RANGE
14.5MM	10.0-14.0mm
17.5MM	13.5-17.0mm

KEY	PART NUMBER	
	-40°C ~ +105°C	-40°C ~ +125°C
N	RTS6BS16N09S	RTS6BS16N09S03

REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASED DRAWING	Dec-26-2016	Ben	Tommy
A2	-	UPDATE NOTES	Jul-04-2017	Nick	Tommy
A3	-	UPDATE DRAWING	Jan-24-2018	Nick	Tommy
A4	-	UPDATE DRAWING	Mar-20-2018	Nick	Tommy
A5	-	UPDATE DESCRIPTION AND VOLTAGE	SEP-23-2021	BLINK	TOMMY

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 Fractions $\pm 1/64$ Angles $\pm 1^\circ$		SIGNATURES DATE DRAWN: BLINK SEP-23-2021 CHECKED: ORION SEP-24-2021 ENGINEER: APPROVAL: TOMMY SEP-27-2021 CUSTOMER:	
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.		 Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036	
PROCESS SPECIFICATIONS: NEXT ASSY:		EcoMate Aquarius, PLUG, BACK SHELL, SIZE 16,9POS, SOCKET. SIZE TYPE DWG NO: B C- RTS6BS16*09Sxx A5 SCALE NONE SHEET 1 OF 1	

TITLE: EcoMate Aquarius, PLUG, BACK SHELL, SIZE 16,9POS, SOCKET. DWG NO.: RTS6BS16*09Sxx REV: A5 SH: 1 OF: 1