



DIMENSION ϕA	CABLE OD RANGE
9.5MM	6.0-9.0mm
12.2MM	8.5-12.0mm

KEY	PART NUMBER	
	-40°C ~ 105°C	-40°C ~ 125°C
N	RTS1BS12N2S	RTS1BS12N2S03

REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASED DRAWING	Jun-20-2018	Blink	Tommy
A2	-	UPDATE DESCRIPTION AND VOLTAGE	SEP-16-21	BLINK	TOMMY

NOTES : (UNLESS OTHERWISE SPECIFIED)

- 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.
- SPECIFICATIONS :
 - 2.1 RATED CURRENT :
 - 2.1.1 2.5mm CONTACT 23A (MAX) .
 - 2.1.2 20# CONTACT 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.
- SUITABLE CONTACTS : 2.5mm & 20# CONTACTS.
- ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

QUANTITY	PART NUMBER	DESCRIPTION	ITEM
MATERIALS LIST			
UNLESS OTHERWISE SPECIFIED		SIGNATURES	
1) All dimensions are in metric(mm).		DRAWN: BLINK	SEP-16-21
2) Tolerances are as follows:		CHECKED: ORION	SEP-17-21
1 PL DEC ±0.30		ENGINEER:	
2 PL DEC ±0.16		APPROVAL: TOMMY	SEP-18-21
3 PL DEC ±0.08		CUSTOMER:	
3) Note reference =		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.	
MATERIAL SPECIFICATIONS:		EcoMate Aquarius, RECPTACLE, BACK SHELL, SIZE 12, 4POS(2+2), SOCKET	
PROCESS SPECIFICATIONS:		SIZE B C- TYPE C- DWG NO: RTS1BS12*2Sxx REVISION A2	
NEXT ASSY:		SCALE NONE SHEET 1 OF 1	