

REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	--	FIRST RELEASED	Mar.26,2017	Ben	Tommy
A2	--	UPDATE NOTES	Jul-06-2017	Nick	Tommy
A3	--	UPDATE DRAWING	Mar-21-2018	White	Tommy

SEALING PLUGS CAN BE PURCHASED SEPARATELY

NOTES : (UNLESS OTHERWISE SPECIFIED)

- 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.
- SPECIFICATIONS :**
 1. RATED CURRENT : 23A (MAX).
 2. RATED VOLTAGE : 500V(AC/DC).
 3. OPERATING TEMPERATURE : SEE TABLE.
 4. DIELECTRIC WITHSTANDING VOLTAGE : LESS THAN 2 MILLIAMPS CURRENT LEAKAGE@2000 VOLTS AC.
 5. INSULATION RESISTANCE : 5000 MEGOHMS MIN.
 6. IP-CLASS : IP67 AND IP69K IN THE MATED CONDITION, WIRE SEALS FULLY POPULATED.
 7. MATING CYCLES DURABILITY : 500 CYCLES MIN.
 8. RoHS COMPLIANT.
- SUITABLE CONTACTS :** 2.5mm CONTACT.
- 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
2.5MM	φ3.3MM	φ4.3MM	12 - 14AWG

KEY	PART NUMBER	
	-40°C ~ 105°C	-40°C ~ 125°C
N	RTS6BS18N8PHEC	RTS6BS18N8PHEC03

QUANTITY	PART NUMBER	DESCRIPTION	ITEM
MATERIALS LIST			
UNLESS OTHERWISE SPECIFIED		SIGNATURES	DATE
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 =		DRAWN: White	Mar-21-2018
		CHECKED: Tod	Mar-21-2018
		ENGINEER:	
		APPROVAL: Tommy	Mar-21-2018
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:		SIZE: B	TYPE: C-
DWG NO: RTS6BS18*8PHECxx		REVISION: A3	SCALE: NONE
			SHEET 1 OF 1

ecomate® RM/RSSM/Aquarius™ - Contact Size 12 Options

Machined, Crimp Contacts				
Part Number		AWG	Wire Range (mm ²)	Plating
Male	Female			
N/A				

Stamped & Formed, Crimp Contacts				
Part Number		AWG	Wire Range (mm ²)	Plating
Male	Female			
SP12A1T	SS12A1T	14-12	2.5-3.5	Tin

Tooling, Machined	
Part Number	Description
N/A	N/A

Tooling, Stamped & Formed	
Part Number	Description
QXRT12S	Contact Extraction Tool, 2.5mm Contact
MFX-3962	Hand Tool, Stamped & Formed Contact, 2.5mm Contact

Plating Options	
Symbol	Plating
N/A	N/A

Standard Quantity Order Options	
Machined	Stamped & Formed
N/A	Reel, 1000 Pieces

Amphenol Sine Systems

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