



REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
B1	-	RELEASED DRAWING	Nov-23-2014	Ben	Tommy
B2	-	VOLTAGE UPDATE AND ADD KEY ICON	Dec-29-2020	Ronald	Tommy

NOTES : (UNLESS OTHERWISE SPECIFIED)

1. MATERIAL :

- SHELL : ZINC ALLOY , NICKEL PLATED.
- INSERT : THERMOPLASTIC , UL94 V-0.
- END CAP : THERMOPLASTIC , UL94 V-0.
- COUPLING NUT : AL ALLOY , NICKEL PLATED.
- PLASTIC BUSHING : THERMOPLASTIC , UL94 V-0.
- WAVE WASHER : STAINLESS STEEL.
- O-RING : NBR/SILICONE RUBBER.
- WIRE SEAL : SILICONE RUBBER.

2. SPECIFICATIONS :

- 2.1 RATED CURRENT : 23A (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(MATED CONDITION).
- 2.7 MATING CYCLES DURABILITY : 500 CYCLES MIN.
- 2.8 ROHS COMPLIANT.

3. SUITABLE CONTACTS : 2.5mm CONTACTS.

4. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

CONTACT SIZE	MIN. INSUL O.D.	MAX. INSUL O.D.	WIRE RANGE
2.5mm	Ø3.3mm	Ø4.3mm	14 - 12AWG

KEY POS	PART NUMBER		A	B	C	D
	-40°C ~ 105°C	-40°C ~ 125°C				
N	RT06144SNHEC	RT06144SNHEC03	105°	140°	215°	265°
W	RT06144SWHEC	RT06144SWHEC03	60°	140°	215°	265°
X	RT06144SXHEC	RT06144SXHEC03	105°	160°	215°	265°
Y	RT06144SYHEC	RT06144SYHEC03	105°	140°	225°	265°
Z	RT06144SZHEC	RT06144SZHEC03	105°	140°	215°	295°

QUANTITY	SEE PART NUMBER CHART	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 Fractions ±1/64 2 PL DEC ±0.15 Angles ±1° 3 PL DEC ±0.08 3) Note reference =		SIGNATURES DATE DRAWN: <u>Ronald</u> Dec-29-20 CHECKED: <u>Ron</u> Dec-30-20 ENGINEER: APPROVAL: <u>Tommy</u> Dec-31-20 CUSTOMER:	 Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036	
MATERIAL SPECIFICATIONS: PROCESS SPECIFICATIONS: NEXT ASSY:		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.		
SIZE: B TYPE: C- DWG NO.: RT06144S*HEC REVISION: B2 SCALE: NONE SHEET 1 OF 1		ECOMATE RM,PLUG, SIZE 14,4POS, SOCKET, END CAP.		

TITLE: ECOMATE RM,PLUG, SIZE 14,4POS, SOCKET, END CAP
 DWG NO.: RT06144S*HEC
 REV: B2
 SH: 1
 OF: 1

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

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

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

Plating Options, All	
Symbol	Plating
N/A	N/A

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

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

Misc Tooling, All	
Part Number	Description
CA-4012-59	Sealing Plug, Size 12

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