



REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
B1	-	RELEASED DRAWING	Nov-20-2014	Ben	Tommy
B2	-	VOLTAGE UPDATE AND ADD KEY ICON	Dec-22-2020	Ronald	Tommy

NOTES : (UNLESS OTHERWISE SPECIFIED)

1. MATERIAL :

- SHELL : ZINC ALLOY , NICKEL PLATED.
- INSERT : THERMOPLASTIC , UL94 V-0.
- END CAP : THERMOPLASTIC , UL94 V-0.
- PLASTIC BUSHING : THERMOPLASTIC , UL94 V-0.
- SEAL GASKET : NBR/SILICONE RUBBER.
- O-RING : NBR/SILICONE RUBBER.
- WIRE SEAL : SILICONE RUBBER.

2. SPECIFICATIONS :

2.1 RATED CURRENT :

- 2.1.1 16# CONTACT 13A (MAX).
- 2.1.1 2.5mm CONTACT 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 : 16# & 2.5mm CONTACTS.

4. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

5. CONTACT SIZE AND REAR SEAL WIRE RANGE :

CONTACT SIZE	MIN. INSUL O.D.	MAX. INSUL O.D.	WIRE RANGE
16#	Ø2.0mm	Ø3.2mm	14 - 24AWG
2.5mm	Ø3.3mm	Ø4.3mm	14 - 12AWG

KEY POS	PART NUMBER					
	-40°C ~ 105°C	-40°C ~ 125°C	A	B	C	D
N	RT00142SNHEC	RT00142SNHEC03	105°	140°	215°	265°
W	RT00142SWHEC	RT00142SWHEC03	60°	140°	215°	265°
X	RT00142SXHEC	RT00142SXHEC03	105°	160°	215°	265°
Y	RT00142SYHEC	RT00142SYHEC03	105°	140°	225°	265°
Z	RT00142SZHEC	RT00142SZHEC03	105°	140°	215°	295°

QUANTITY	SEE PART NUMBER CHART	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 ±1/64 Angles ±1° 3) Note reference =		SIGNATURES DATE DRAWN: Ronald Dec-22-20 CHECKED: Ronald Dec-23-20 ENGINEER: APPROVAL: Tommy Dec-24-20 CUSTOMER:	Amphenol 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.	ECOMATE RM, RECEPTACLE, SIZE 14, 2+2 POS, SOCKET, END CAP. SIZE TYPE DWG NO. REVISION B C- RT00142S*HEC B2 SCALE NONE SHEET 1 OF 1

TITLE: ECOMATE RM, RECEPTACLE, SIZE 14, 2+2 POS, SOCKET, END CAP DWG NO.: RT00142S*HEC REV: B2 SH: 1 OF: 1