



REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
B1	-	RELEASED DRAWING	JULY-04-2014	BEN	TOMMY
B2	-	ADAPT TO CHANGE OF WIRE DIAMETER	Dec-04-2019	Ronald	Tommy
B3	-	ADD KEY ICON	Dec-03-2020	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.
- WAVE WASHER : STAINLESS STEEL.
- O-RING : NBR/SILICONE RUBBER.
- WIRE SEAL : SILICONE RUBBER.
- PLASTIC BUSHING : THERMOPLASTIC , UL94 V-0.

2. SPECIFICATIONS :

2.1 RATED CURRENT :

- 2.1.1 STAMPED CONTACT 5A (MAX).
- 2.1.2 MACHINED CONTACT 7.5A(MAX).

2.2 RATED VOLTAGE : 250V (AC/DC) .

2.3 OPERATING TEMPERATURE : SEE CHART.

2.4 DIELECTRIC WITHSTANDING VOLTAGE : LESS THAN 2 MILLIAMPS CURRENT LEAKAGE@1500 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 : 20# CONTACTS.

4. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

5. CONTACT SIZE AND REAR SEAL WIRE RANGE :

Contact Size	Insulation Overall Diameter(min-max)	Wire Range
20#	Ø1.4mm - Ø2.1mm	20 - 30AWG

KEY POS	PART NUMBER		A	B	C	D
	-40°C ~ 105°C	-40°C ~ 125°C				
N	RT0W61210PNHEC	RT0W61210PNHEC03	105°	140°	215°	265°
W	RT0W61210PWHEC	RT0W61210PWHEC03	60°	140°	215°	265°
X	RT0W61210PXHEC	RT0W61210PXHEC03	105°	155°	215°	265°
Y	RT0W61210PYHEC	RT0W61210PYHEC03	105°	140°	225°	265°
Z	RT0W61210PZHEC	RT0W61210PZHEC03	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 Fractions ±1/64 2 PL DEC ±0.15 Angles ±1° 3 PL DEC ±0.08 3) Note reference =		SIGNATURES DATE DRAWN: Ronald Dec-03-2020 CHECKED: Ronald Dec-04-2020 ENGINEER: APPROVAL: Tommy Dec-05-2020 CUSTOMER:	
MATERIAL SPECIFICATIONS: PROCESS SPECIFICATIONS: NEXT ASSY:		 Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036 ECOMATE RM, PLUG, SIZE 12,10POS,PIN,END CAP. 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 TYPE DWG NO: B C- RT0W61210P*HEC B3		SCALE NONE SHEET 1 OF 1	

TITLE: ECOMATE RM, PLUG, SIZE 12,10POS,PIN,END CAP. DWG NO.: RT0W61210P*HEC REV: B3 SH: 1 OF: 1