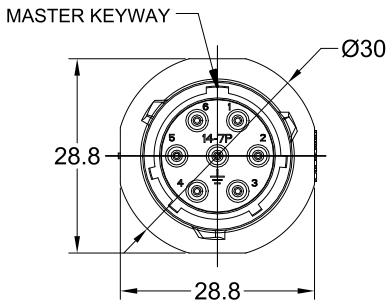
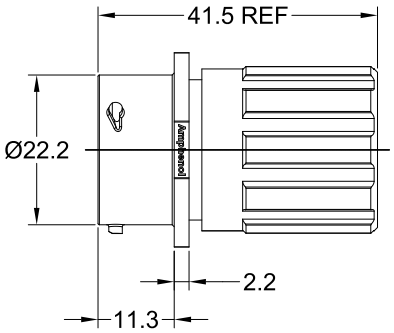
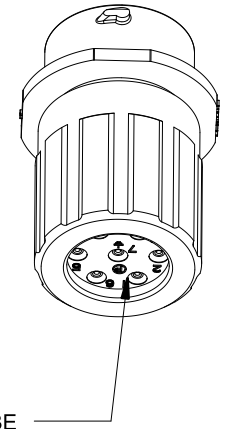
| REVISIONS | | | | | |
|---|---|---|---|---|---|
| REV | ECO | DESCRIPTION | DATE | BY | APPR |
| A1 | – | RELEASED DRAWING | Mar-15-2021 | Blink | Tommy |




NOTES: (UNLESS OTHERWISE SPECIFIED)
1. MATERIAL:
   SHELL: THERMOPLASTIC, UL94 V-0.
   INSERT: THERMOPLASTIC, UL94 V-0.
   O-RING: NBR OR SILICONE RUBBER.
   SEAL GASKET: NBR OR SILICONE RUBBER.
   END CAP: THERMOPLASTIC, UL94 V-0.
   PLASTIC RING:THERMOPLASTIC, UL94 V-0.
   WIRE SEAL: SILICONE RUBBER.
2. SPECIFICATIONS:
   2.1, RATED CURRENT: 13A (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, WIRE SEALS FULLY POPULATED.
   2.7, MATING CYCLES DURABILITY: 500 CYCLES MIN.
   2.8, RoHS COMPLIANT.
3. SUITABLE CONTACTS : 16# CONTACT.
4. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

| CONTACT SIZE | MIN. INSUL O.D. | MAX. INSUL O.D. | WIRE RANGE |
|---|---|---|---|
| 16# | Ø1.2 | Ø2.1 | 14 - 24AWG |

| KEY | PART NUMBER | |
|---|---|---|
| | -40°C ~ 105°C | -40°C ~ 125°C |
| N | RTS1BS14N7PHECR | RTS1BS14N7PHEC03R |

| QUANTITY | 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 = X

MATERIAL SPECIFICATIONS:

PROCESS SPECIFICATIONS:

NEXT ASS'Y:

| SIGNATURES | | DATE |
|---|---|---|
| DRAWN: | Blink | Mar-15-2021 |
| CHECKED: | Flan | Mar-16-2021 |
| ENGINEER: | | |
| APPROVAL: | Tommy | Mar-18-2021 |
| CUSTOMER: | | |

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.

Amphenol
Sine Systems - www.amphenol-sine.com
44724 Morley Drive
Clinton Township, MI 48036

ECO-MATE AQUARIUS, RECEPTACLE,END CAP, IN-LINE,SIZE 14, 7 POS, PIN,REDUCED WIRE SEALS

| SIZE | TYPE | DWG NO: | REVISION |
|---|---|---|---|
| B | C- | RTS1BS14*7PHECxxR | A1 |

SCALE: NONE SHEET 1 OF 1

TITLE: ECO-MATE AQUARIUS, RECEPTACLE,END CAP, IN-LINE,SIZE 14, 7 POS, PIN,REDUCED WIRE SEALS
DWG NO: RTS1BS14*7PHECxx
REV: A1
SH: 1
OF: 1