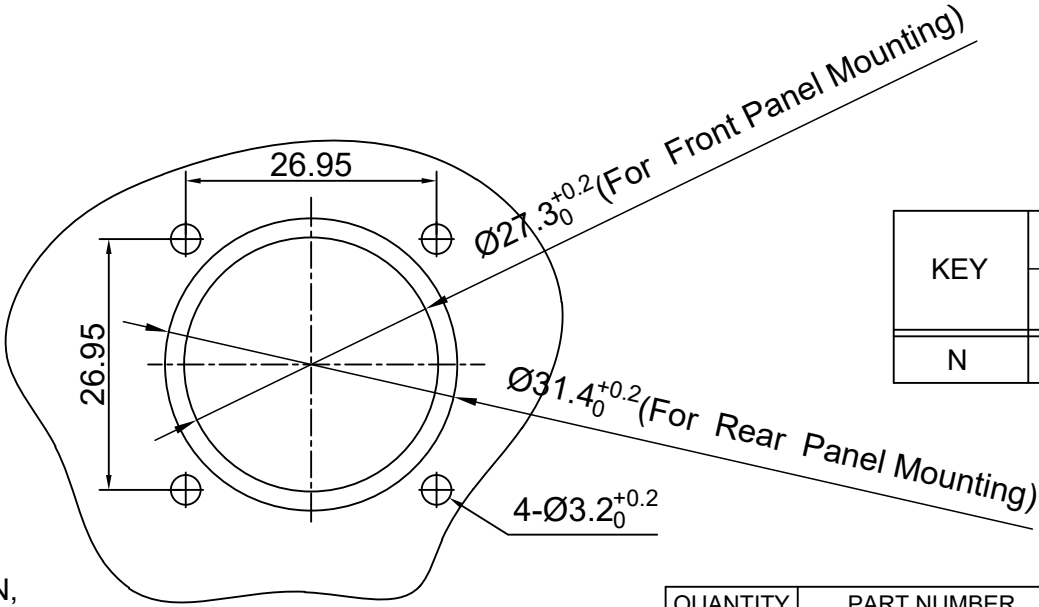



- NOTES : (UNLESS OTHERWISE SPECIFIED)
- 1. MATERIAL :
    - SHELL : THERMOPLASTIC , UL94 V-0.
    - INSERT : THERMOPLASTIC , UL94 V-0.
    - SEAL GASKET : NBR/SILICONE RUBBER.
  - 2. SPECIFICATIONS :
    - 2.1 RATED CURRENT : 23A MAX.
    - 2.2 RATED VOLTAGE : 500V(AC/DC).
    - 2.3 OPERATING TEMPERATURE : 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, PANEL EXTERNAL.
    - 2.7 MATING CYCLES DURABILITY : 500 CYCLES MIN.
    - 2.8 RoHS COMPLIANT.
  - 3. SUITABLE CONTACTS : 2.5MM CONTACT.
  - 4. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.



| KEY | PART NUMBER   |               |
|-----|---------------|---------------|
|     | -40°C ~ 105°C | -40°C ~ 125°C |
| N   | RTS018N8P     | RTS018N8P03   |

| QUANTITY  | PART NUMBER | DESCRIPTION  |      | ITEM        |
|---|-------------|--|------|-------------|
| MATERIALS LIST  |             |  |      |             |
| UNLESS OTHERWISE SPECIFIED  |             | SIGNATURES   |      | DATE        |
| 1) All dimensions are in metric(mm).  |             | DRAWN: White   |      | Apr-10-2018 |
| 2) Tolerances are as follows:   |             | CHECKED: Tod   |      | Apr-10-2018 |
| 1 PL DEC ±0.30  |             | ENGINEER:  |      |             |
| 2 PL DEC ±0.15  |             | APPROVAL: Tommy  |      | Apr-10-2018 |
| 3 PL DEC ±0.08  |             | CUSTOMER:  |      |             |
| 3) Note reference =  |             | 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. |      |             |
| MATERIAL SPECIFICATIONS:  |             | ECO-MATE, RECEPTACLE, FLANGE, SIZE 18, 8 POS, PIN  |      |             |
| PROCESS SPECIFICATIONS:   |             | SIZE   | TYPE | DWG NO:     |
|   |             | B  | C-   | RTS018*8Pxx |
| NEXT ASSY:  |             | SCALE:   | NONE | REVISION    |
|   |             |  |      | A4          |
|   |             | SHEET 1 OF 1   |      |             |

| REVISIONS |     |                  |             |       |       |
|-----------|-----|------------------|-------------|-------|-------|
| REV       | ECO | DESCRIPTION      | DATE        | BY    | APPR  |
| A1        | --  | RELEASED DRAWING | Dec-26-2016 | Ben   | Tommy |
| A2        | --  | UPDATE NOTES     | Jul-06-2017 | Nick  | Tommy |
| A3        | --  | UPDATE DRAWING   | Mar-21-2018 | White | Tommy |
| A4        | --  | UPDATE DRAWING   | Apr-10-2018 | White | Tommy |

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

| Crimp Contacts, Machined |        |     |                  |         |
|--------------------------|--------|-----|------------------|---------|
| Part Number              |        | AWG | Wire Range (mm²) | 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 (mm²) | 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 |