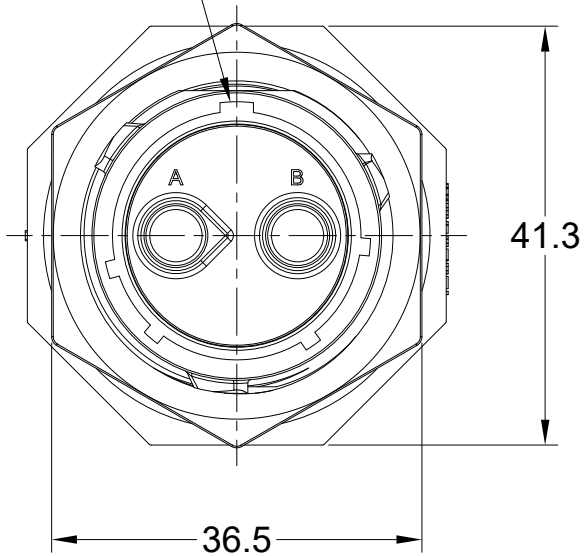


REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	--	First Release	Aug-18-23	Joe	Tommy

MASTER KEYWAY



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: 56A (MAX).
2.2 RATED VOLTAGE: 600V AC / 800V DC
2.3 OPERATING TEMPERATURE: SEE TABLE.
2.4 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN
2 MILLIAMPS CURRENT LEAKAGE@2500 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.

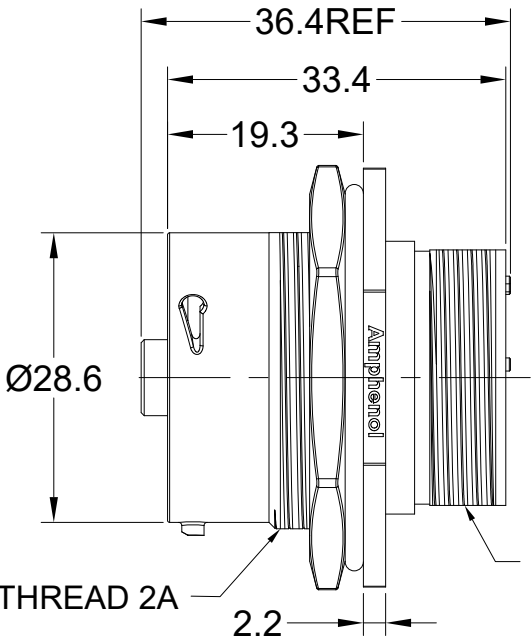
3. SUITABLE CONTACTS : MS10A25x-xx.

("x"= DENOTE DIFFERENT PLATING;"xx"=ALL MODIFICATIONS)

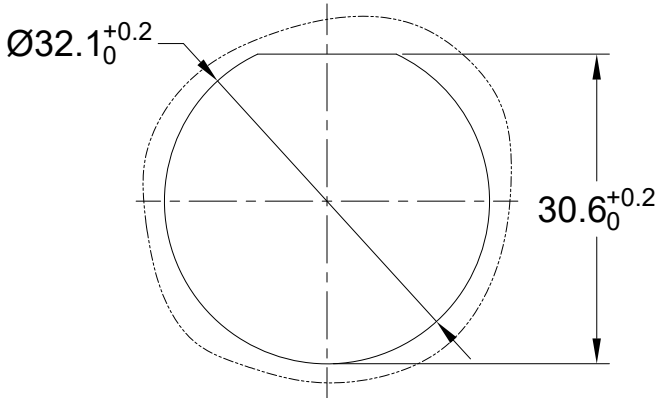
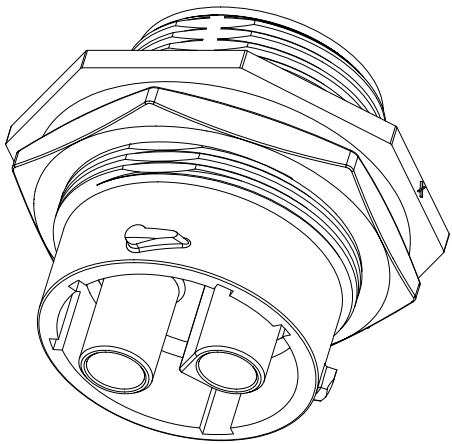
4. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

5. CONTACT SIZE AND REAR SEAL WIRE RANGE :

CONTACT SIZE	MIN. INSULATION O.D.	MAX. INSULATION O.D.	SMALL.WIRE RANGE
8#	Ø5.2mm	Ø6.8mm	8AWG



UNEF 1" 1/16-18THREAD 2A



PANEL CUT OUT REFERENCE

KEY	PART NUMBER	
	-40°C ~ 105°C	-40°C ~ 125°C
N	RTS718N2S	RTS718N2S03

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 2 PL DEC ±0.15 3 PL DEC ±0.08 3) Note reference =		SIGNATURES DRAWN: Joe CHECKED: ENGINEER: APPROVAL: Tommy	DATE Aug-18-2023 Aug-18-2023
MATERIAL SPECIFICATIONS:		CUSTOMER:	
PROCESS SPECIFICATIONS:		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.	
NEXT ASSY:		Amphenol Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036 EcoMate Aquarius,RECEPTACLE, JAM NUT, SIZE 18, 2 POS, SOCKET	
SIZE B		TYPE C-	DWG NO: RTS718*2Sxx
SCALE: NONE		REVISION A1	
SHEET 1		OF 1	

TITLE: EcoMate Aquarius, RECEPTACLE,JAM NUT, SIZE 18, 2 POS, SOCKET
DWG NO: RTS718*2Sxx
REV: A1
SH: 1
OF: 1

ecomate® RM/RSSM/Aquarius™ - Contact Size 3.6mm Options (1802 & 1804 Insert Arrangements)

Machined, Crimp Contacts					
Part Number		Contact Size (AWG)	Wire Range (mm²)	For Use w End Cap	Plating
Male	Female				
MP10A25S-8	MS10A25S-8	8AWG	10.0 mm²	No	Silver
MP10A25F-8	MS10A25F-8	8AWG	10.0 mm²	No	Gold Flash

Machined, Tooling	
Part Number	Description
QXRT08L	Contact Extraction Tool, # 8 (Ø 3.6mm) Contact
M300BT	Hand Crimper
WA27-3009-2C	Pneumatic Crimper
UH2-5	Locator M3200BT and WA27-309-2C