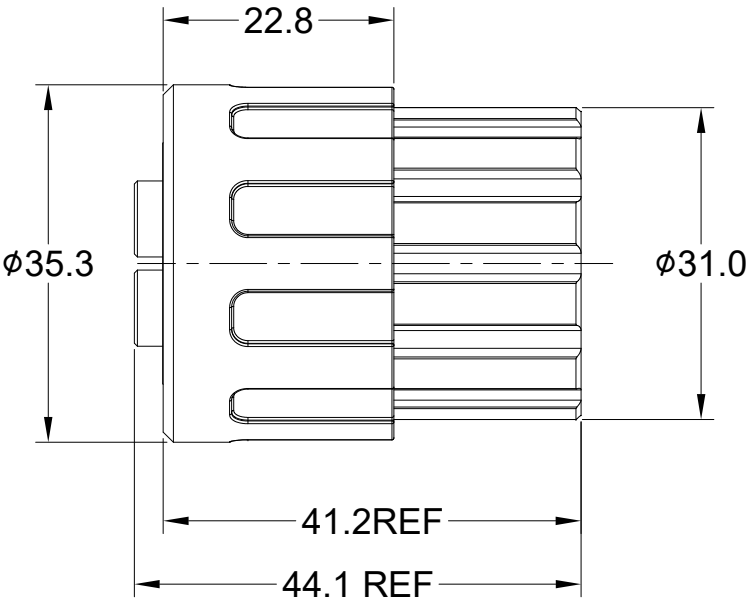
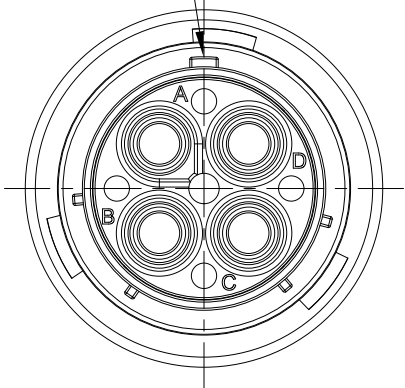


REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	--	PRELIMINARY DESIGN	Aug-29-23	RONALD	TOMMY

MASTER KEYWAY

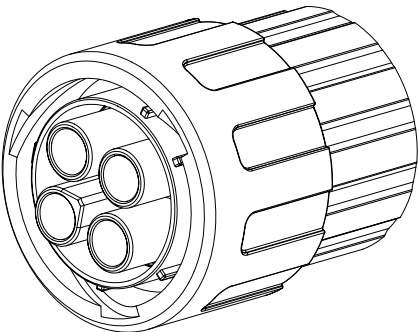
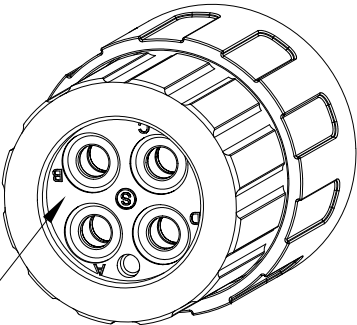


NOTES: (UNLESS OTHERWISE SPECIFIED)

1. MATERIAL:
- SHELL: THERMOPLASTIC, UL94 V-0.
INSERT: THERMOPLASTIC, UL94 V-0.
COUPLING NUT: THERMOPLASTIC, UL94 V-0.
O-RING: NBR OR SILICONE RUBBER.
WASHER: 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

SEALING PLUGS CAN BE
PURCHASED SEPARATELY



KEY	PART NUMBER	
	-40°C ~ 105°C	-40°C ~ 125°C
N	RTS6BS18N4SHEC	RTS6BS18N4SHEC03

QUANTITY	PART NUMBER	DESCRIPTION		ITEM	
MATERIALS LIST					
UNLESS OTHERWISE SPECIFIED		SIGNATURES	DATE	Amphenol Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036	
1) All dimensions are in metric(mm).		DRAWN: RONALD	AUG-29-23		
2) Tolerances are as follows:		CHECKED: JOE	AUG-30-23		
1 PL DEC ±0.30 2 PL DEC ±0.15 3 PL DEC ±0.08		ENGINEER:			
3) Note reference = 		APPROVAL: TOMMY	AUG-31-23		
MATERIAL SPECIFICATIONS:		CUSTOMER:	EcoMate Aquarius,PLUG,SIZE 18,4POS SOCKET,END CAP		
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 ASS'Y:		SIZE	TYPE	DWG NO.	REVISION
		B	C-	RTS6BS18*4SHECxx	A1
		SCALE: NONE			SHEET 1 OF 1

TITLE: EcoMate Aquarius,PLUG,SIZE 18,4POS,SOCKET,END CAP
DWG NO: RTS6BS18*4SHECxx
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