

REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	--	FIRST RELEASED	NOV-23-2021	BLINK	TOMMY
A2	--	ADD IP68	APR-26-2023	JUN	TOMMY
A3	--	UPDATED SUITABLE CONTACT NOTE	MAY-16-2023	RO	RO

FLS714xxxPHEC03

STANDS FOR INSERT ARRANGEMENT:
2 - 4(2+2) CORES.
3 - 3 CORES.
4 - 4 CORES.
8 - 8 CORES.
12 - 12 CORES.
19 - 19 CORES.

PROTECTION KEY:(SEE TABLE 1):
N KEY(STANADRD VERSION)
W KEY
X KEY
Y KEY
Z KEY

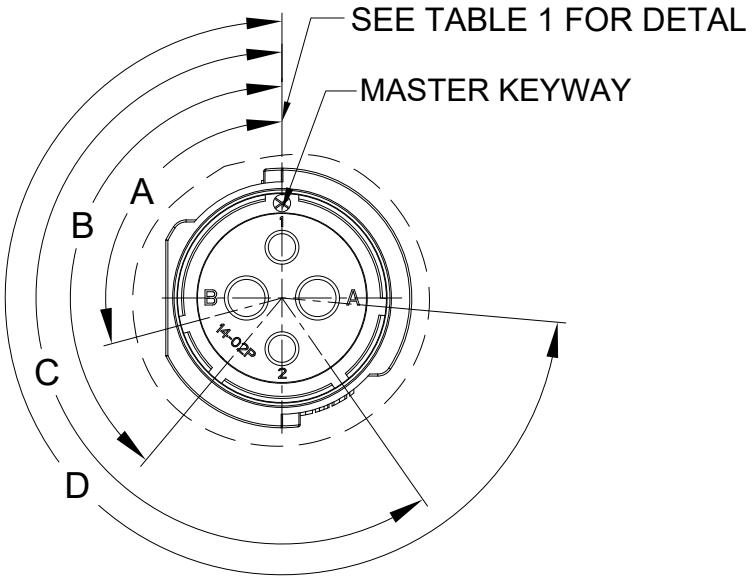


TABLE 1:

KEY POS	A	B	C	D
N	105°	140°	215°	265°
W	60°	140°	215°	265°
X	105°	160°	215°	265°
Y	105°	140°	225°	265°
Z	105°	140°	215°	295°

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: JUN CHECKED: JOE ENGINEER: APPROVAL: TOMMY 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.	DATE APR-26-2023 APR-28-2023 MAY-02-2023
MATERIAL SPECIFICATIONS:		Amphenol Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036	
PROCESS SPECIFICATIONS:		EcoMate Aquarius,RECEPTACLE, JAM NUT, xx POSITION, MALE,SHELL SIZE 14,END CAP	
NEXT ASSY:		SIZE B	REVISION A3
		TYPE C-	
		DWG NO: FLS714xxxPHEC03	
		SCALE: NONE	
		SHEET 2	OF 4

TITLE: EcoMate Aquarius,RECEPTACLE, JAM NUT, xx POSITION, MALE,SHELL SIZE 14,END CAP

DWG NO: FLS714xxxPHEC03

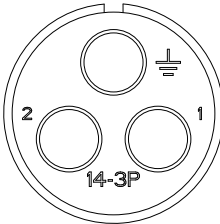
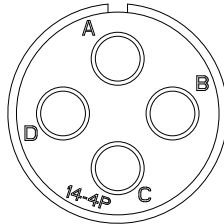
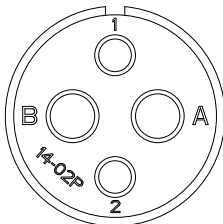
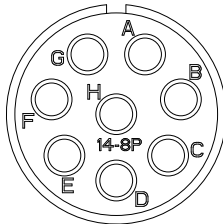
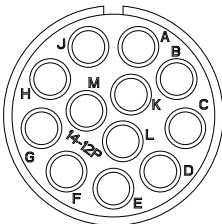
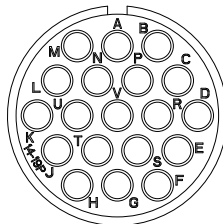
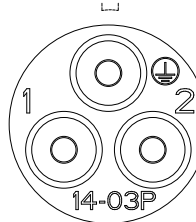
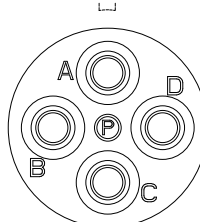
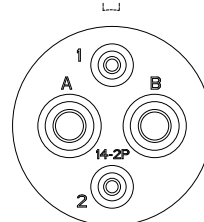
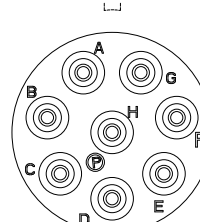
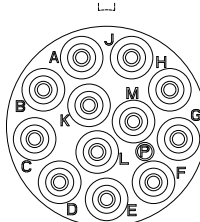
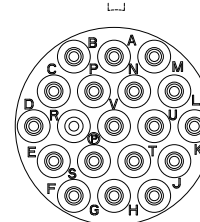
REV: A3

SH: 1

OF: 1

				REVISIONS		
REV	ECO	DESCRIPTION	DATE	BY	APPR	
A1	--	FIRST RELEASED	NOV-23-2021	BLINK	TOMMY	
A2	--	ADD IP68	APR-26-2023	JUN	TOMMY	
A3	--	UPDATED SUITABLE CONTACT NOTE	MAY-16-2023	RO	RO	

TABLE 2:

PART NUMBER	FLS714x3PHEC03	FLS714x4PHEC03	FLS714x2PHEC03	FLS714x8PHEC03	FLS714x12PHEC03	FLS714x19PHEC03
MALE INSERT ARRANGEMENT FRONT VIEW						
MALE INSERT ARRANGEMENT REAR VIEW						
SUITABLE CONTACTS	3 x Size 8 (3.6mm²)	4 x Size 12 (2.5mm²)	2 x Size 16 (1.5mm²) 2 x Size 12 (2.5mm²)	8 x Size 16 (1.5mm²)	12 x Size 16 (2.0mm²)	20 x Size 14 (1.4mm²)
RATED CURRENT	45A	25A-MACHINED CONT. 23A-STAMPED CONT.	(2.5mm) 25A-MACHINED CONT. (2.5mm) 23A-STAMPED CONT. (16#)13A	13A	13A	7.5A-MACHINED CONT. 5A-STAMPED CONT.
RATED VOLTAGE	600V AC/DC	500V AC/DC	500V AC/DC	500V AC/DC	500V AC/DC	250V AC/DC
DIELECTRIC WITHSTANDING VOLTAGE	2200V AC	2000V AC	2000V AC	2000V AC	2000V AC	1500V AC

QUANTITY	PART NUMBER	DESCRIPTION	ITEM	
MATERIALS LIST				
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	DRAWN: JUN	APR-26-2023		
	CHECKED: JOE	APR-28-2023		
	ENGINEER:			
	APPROVAL: TOMMY	MAY-02-2023		
MATERIAL SPECIFICATIONS:	CUSTOMER:		EcoMate Aquarius,RECEPTACLE, JAM NUT, xx POSITION, MALE,SHELL SIZE 14,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 ASSY:				
SIZE		TYPE	DWG NO:	
B		C-	FLS714xxxPHEC03	
SCALE:		NONE	REVISION	
			A3	
		SHEET	3 OF 4	

TITLE: EcoMate Aquarius,RECEPTACLE, JAM NUT, xx POSITION, MALE,SHELL SIZE 14,END CAP

DWG NO: FLS714xxxPHEC03

REV: A3

SH: 1

OF: 1

ecomate® RM, RSSM and Aquarius™ Series
Size 3.6mm Contact & Tooling Options (1403 Insert Arrangement)

Machined, Crimp Contacts						
Part Number		Contact Size (AWG)	Wire Range (mm²)	Male Contact For Use w End Cap	Female Contact For Use w End Cap	Plating
Male	Female					
MP10A23T-10	MS10A23T-10	8AWG	10.0 mm²	No	No	Tin
MP10A23S-10	MS10A23S-10	8AWG	10.0 mm²	No	No	Silver
MP10A23F-10	MS10A23F-10	8AWG	10.0 mm²	No	No	Gold Flash
MP10A23G5-10	MS10A23G5-10	8AWG	10.0 mm²	No	No	Gold 5µ"
MP10A23G10-10	MS10A23G10-10	8AWG	10.0 mm²	No	No	Gold 10µ"
MP10A23G15-10	MS10A23G15-10	8AWG	10.0 mm²	No	No	Gold 15µ"
MP10A23G30-10	MS10A23G30-10	8AWG	10.0 mm²	No	No	Gold 30µ"
MP10A23S-63	MS10A23S-63	10-12AWG	4.0-6.0 mm²	No	No	Silver
MP10A23F-63	MS10A23F-63	10-12AWG	4.0-6.0 mm²	No	No	Gold Flash
MP10A23S-63	MS10A23S-63W	10-12AWG	4.0-6.0 mm²	No	Yes	Silver
MP10A23F-63	MS10A23F-63W	10-12AWG	4.0-6.0 mm²	No	Yes	Gold Flash
MP10A23TL	MS10A23T	10-12AWG	3.0-6.0 mm²	Yes	Yes	Tin
MP10A23SL	MS10A23S	10-12AWG	3.0-6.0 mm²	Yes	Yes	Silver
MP10A23FL	MS10A23F	10-12AWG	3.0-6.0 mm²	Yes	Yes	Gold Flash
MP10A23G5L	MS10A23G5	10-12AWG	3.0-6.0 mm²	Yes	Yes	Gold 5µ"
MP10A23G10L	MS10A23G10	10-12AWG	3.0-6.0 mm²	Yes	Yes	Gold 10µ"
MP10A23G15L	MS10A23G15	10-12AWG	3.0-6.0 mm²	Yes	Yes	Gold 15µ"
MP10A23G30L	MS10A23G30	10-12AWG	3.0-6.0 mm²	Yes	Yes	Gold 30µ"
MP10A23S-25	MS10A23S-25	14-16AWG	1.5-2.5 mm²	No	No	Silver
MP10A23F-25	MS10A23F-25	14-16AWG	1.5-2.5 mm²	No	No	Gold Flash
MP10A23S-25	MS10A23S-25W	14-16AWG	1.5-2.5 mm²	No	Yes	Silver
MP10A23F-25	MS10A23F-25W	14-16AWG	1.5-2.5 mm²	No	Yes	Gold Flash

Machined, Tooling	
Part Number	Description
QXRT08	Contact Extraction Tool, # 8 (Ø 3.6mm) Contact
M300BT	Hand Crimper
WA27-300BT-EP	Pneumatic Crimper
TP968	Locator M3200BT and WA27-300BT-EP

Plating Options	
Symbol	Plating
T	Tin Plated (for Stamped & Formed Contacts)
S	Silver Plated 5Um (for Machined Contacts)
F	Gold Plated
G5	Gold Plated (Thickness 5µ")
G10	Gold Plated (Thickness 10µ")
G15	Gold Plated (Thickness 15µ")
G30	Gold Plated (Thickness 30µ")