

REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	--	RELEASED DRAWING	NOV-23-2021	BLINK	TOMMY
A2	--	UPDATED NOTE 2.6	APR-26-2023	RO	RO

ORDERING INFORMATION:

FLS6BS14xxxP03

PROTECTION KEY:(SEE TABLE 1):
N KEY(STANADRD VERSION)

W KEY
X KEY
Y KEY
Z KEY

STANDS FOR INSERT ARRANGEMENT:
2 - 4(2+2) CORES.
3 - 3 CORES.
4 - 4 CORES.
7 - 7 CORES.
8 - 8 CORES.
12 - 12 CORES.
19 - 19 CORES.

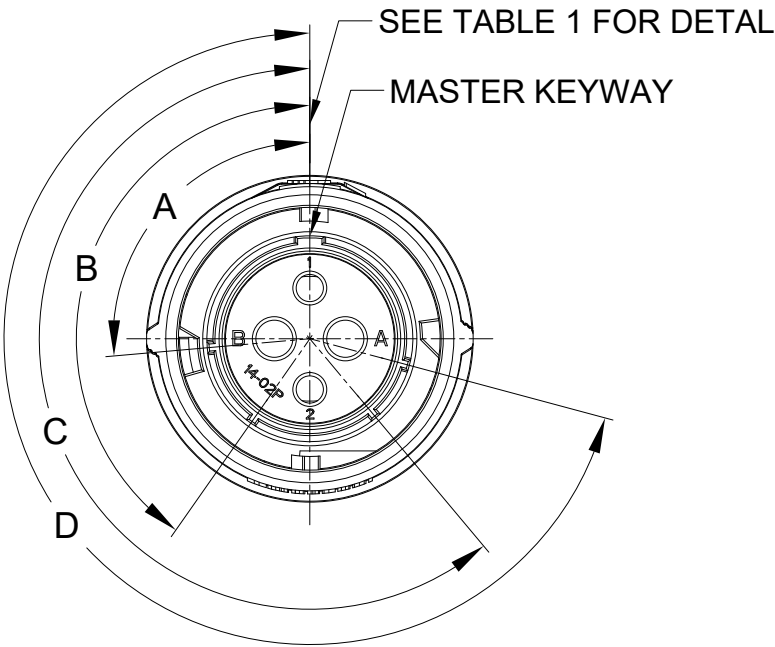


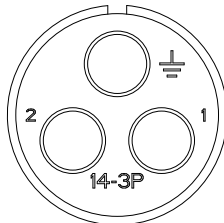
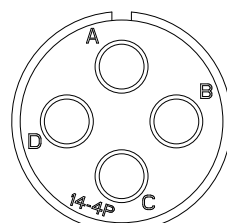
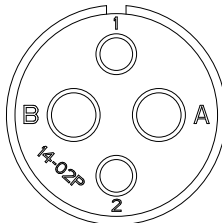
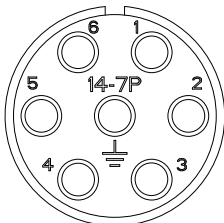
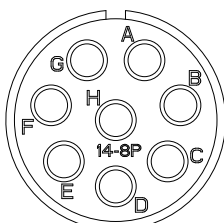
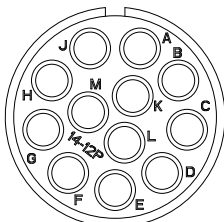
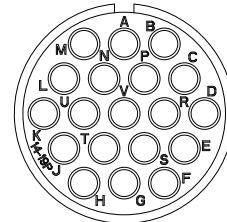
TABLE 1:

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		Amphenol Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036 EcoMate Aquarius,PLUG,xx POSITION, MALE,SHELL SIZE 14,BACK SHELL.		
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 = 				
MATERIAL SPECIFICATIONS:				
PROCESS SPECIFICATIONS:				
NEXT ASS'Y:				

SIGNATURES		DATE	
DRAWN:	BLINK	NOV-23-21	
CHECKED:	ORION	NOV-24-21	
ENGINEER:			
APPROVAL:	TOMMY	NOV-25-21	
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.			

SIZE	TYPE	DWG NO.	REVISION
B	C-	FLS6BS14xxxP03	A2
SCALE: NONE		SHEET 2 OF 7	

TABLE 2:						REVISIONS																																																																									
						REV	ECO	DESCRIPTION		DATE	BY	APPR																																																																			
						A1	--	RELEASED DRAWING		NOV-23-2021	BLINK	TOMMY																																																																			
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PART NUMBER		FLS6BS14x3P03		FLS6BS14x4P03		FLS6BS14x2P03		FLS6BS14x7P03		FLS6BS14x8P03																																																																					
MALE INSERT ARRANGEMENT FRONT 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)		7 x Size 16 (1.5mm²)		8 x Size 16 (1.5mm²)																																																																					
RATED CURRENT		45A		25A-MACHINED CONT. 23A-STAMPED CONT.		(2.5mm) 25A-MACHINED CONT. (2.5mm) 23A-STAMPED CONT. (16#)13A		13A		13A																																																																					
RATED VOLTAGE		600V AC/DC		500V AC/DC		500V AC/DC		500V AC/DC		500V AC/DC																																																																					
DIELECTRIC WITHSTANDING VOLTAGE		2200V AC		2000V AC		2000V AC		2000V AC		2000V AC																																																																					
PART NUMBER		FLS6BS14x12P03		FLS6BS14x19P03																																																																											
MALE INSERT ARRANGEMENT FRONT VIEW																																																																															
SUITABLE CONTACTS		16# CONTACTS		20# CONTACTS																																																																											
RATED CURRENT		13A		7.5A-MACHINED CONT. 5A-STAMPED CONT.																																																																											
RATED VOLTAGE		500V AC/DC		250V AC/DC																																																																											
DIELECTRIC WITHSTANDING VOLTAGE		2000V AC		1500V AC																																																																											
						<table><tr><td>QUANTITY</td><td>PART NUMBER</td><td colspan="3">DESCRIPTION</td><td>ITEM</td></tr><tr><td colspan="6">MATERIALS LIST</td></tr><tr><td colspan="2">UNLESS OTHERWISE SPECIFIED</td><td colspan="2">SIGNATURES</td><td>DATE</td><td rowspan="5"> Amphenol Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036 EcoMate Aquarius,PLUG,xx POSITION, MALE,SHELL SIZE 14,BACK SHELL. </td></tr><tr><td colspan="2">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</td><td colspan="2">DRAWN: BLINK</td><td>NOV-23-21</td></tr><tr><td colspan="2">3) Note reference = </td><td colspan="2">CHECKED: ORION</td><td>NOV-24-21</td></tr><tr><td colspan="2">MATERIAL SPECIFICATIONS:</td><td colspan="2">ENGINEER:</td><td></td></tr><tr><td colspan="2">PROCESS SPECIFICATIONS:</td><td colspan="2">APPROVAL: TOMMY</td><td>NOV-25-21</td></tr><tr><td colspan="2">NEXT ASSY:</td><td colspan="2">CUSTOMER:</td><td></td><td></td></tr><tr><td colspan="2"></td><td colspan="2">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.</td><td></td><td></td></tr><tr><td colspan="2"></td><td>SIZE</td><td>TYPE</td><td>DWG NO:</td><td>REVISION</td></tr><tr><td colspan="2"></td><td>B</td><td>C-</td><td>FLS6BS14xxxP03</td><td>A2</td></tr><tr><td colspan="2"></td><td colspan="3">SCALE: NONE</td><td>SHEET 3 OF 7</td></tr></table>						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 EcoMate Aquarius,PLUG,xx POSITION, MALE,SHELL SIZE 14,BACK SHELL.	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		DRAWN: BLINK		NOV-23-21	3) Note reference = 		CHECKED: ORION		NOV-24-21	MATERIAL SPECIFICATIONS:		ENGINEER:			PROCESS SPECIFICATIONS:		APPROVAL: TOMMY		NOV-25-21	NEXT ASSY:		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.						SIZE	TYPE	DWG NO:	REVISION			B	C-	FLS6BS14xxxP03	A2			SCALE: NONE			SHEET 3 OF 7
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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")