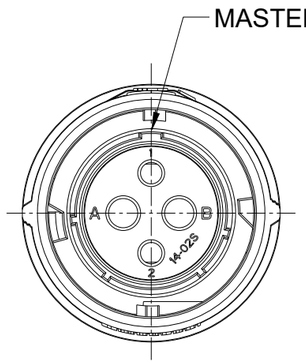
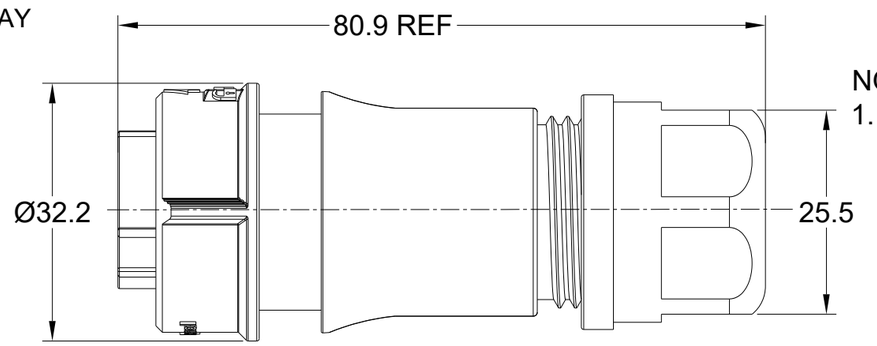
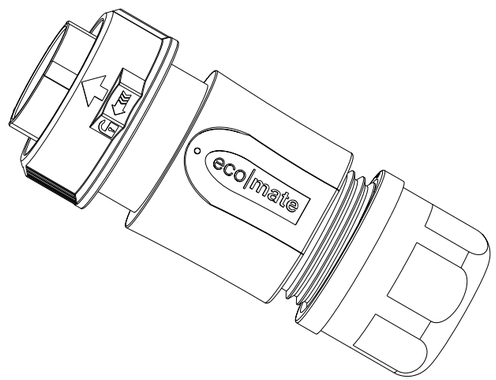
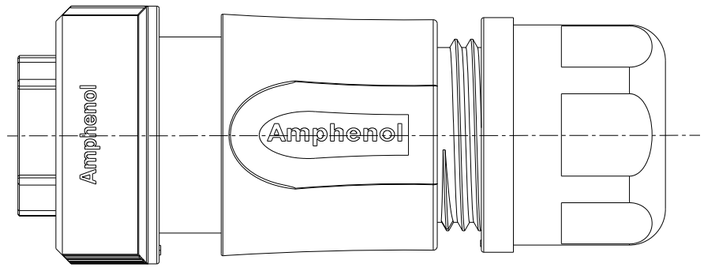
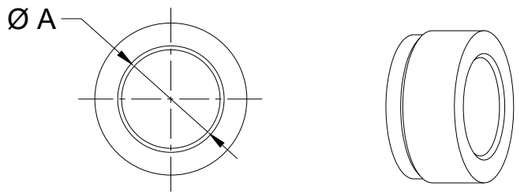
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	--	RELEASED DRAWING	NOV-23-2021	BLINK	TOMMY
A2	--	UPDATED NOTE 2.6	APR-26-2023	RO	RO

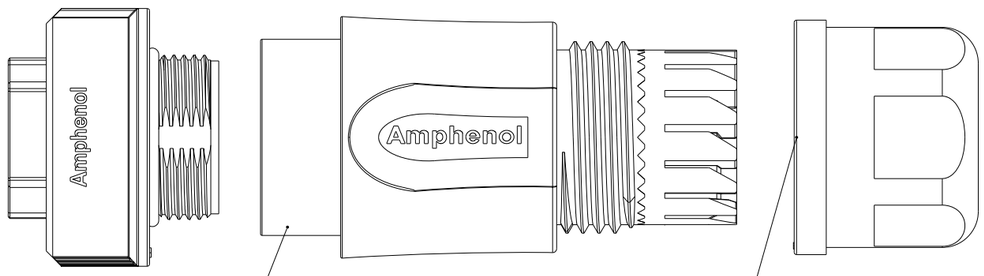












NOTES: (UNLESS OTHERWISE SPECIFIED)

1. MATERIAL:
   - SHELL/COUPLING NUT: THERMOPLASTIC, BLACK, UL94 V-0.
   - INSERT: THERMOPLASTIC, BLACK, UL94 V-0.
   - SPRING: STAINLESS STEEL.
   - O-RING: SILICONE RUBBER.
   - BACK SHELL/CLAMP NUT: THERMOPLASTIC, BLACK, UL94 V-0.
   - CLAMP RING: THERMOPLASTIC, BLACK, UL94 V-0.
   - CABLE SEAL: EPDM, BLACK.
2. SPECIFICATIONS:
   - 2.1 RATED CURRENT: SEE TABLE 2.
   - 2.2 RATED VOLTAGE: SEE TABLE 2.
   - 2.3 OPERATING TEMPERATURE: -40°C~125°C.
   - 2.4 DIELECTRIC WITHSTANDING VOLTAGE: SEE TABLE1.
   - 2.5 INSULATION RESISTANCE: 5000 MEGOHMS MIN.
   - 2.6 IP--CLASS: IP67 AND IP69K IN MATED CONDITION. IP68, 1.8M (1 FATHOM) FOR A PERIOD OF 1 HOUR IN MATED CONDITION
   - 2.7 MATING CYCLES DURABILITY: 500 CYCLES MIN.
   - 2.8 RoHS COMPLIANT.
3. SUITABLE CONTACTS : SEE TABLE 2.
4. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

DIMENSION ØA	CABLE OD RANGE
12.3MM	6.0-12.0mm
14.3MM	9.0-14.0mm

QUANTITY	PART NUMBER	DESCRIPTION	ITEM

MATERIALS LIST

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1 PL DEC ±0.30 | Fractions ±1/64
2 PL DEC ±0.15 | Angles ±1°
3 PL DEC ±0.08
3) Note reference = X

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:		

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EcoMate Aquarius,PLUG,xx POSITION, FEMALE,SHELL SIZE 14,BACK SHELL.

SIZE	TYPE	DWG NO:	REVISION
B	C-	FLS6BS14xxxS03	A2

SCALE: NONE SHEET 1 OF 7

TITLE: EcoMate Aquarius,PLUG,xx POSITION,FEMALE,SHELL SIZE 14,BACK SHELL
DWG NO: FLS6BS14xxxS03
REV: A2
SH: 1
OF: 1

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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：

FLS6BS14xxxS03

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.

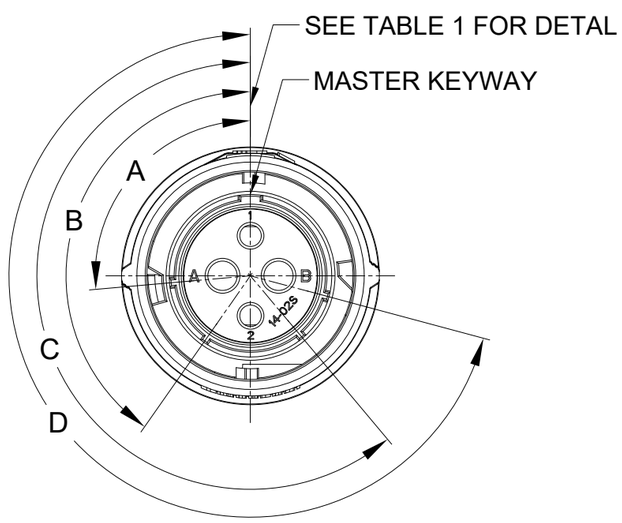


TABLE 1:

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

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3 PL DEC ±0.08
3) Note reference = X

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
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EcoMate Aquarius,PLUG,xx POSITION, FEMALE,SHELL SIZE 14,BACK SHELL.

SIZE	TYPE	DWG NO:	REVISION
B	C-	FLS6BS14xxxS03	A2

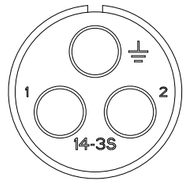
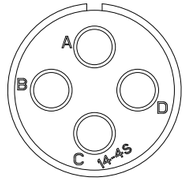
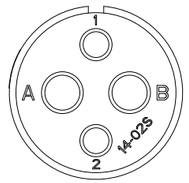
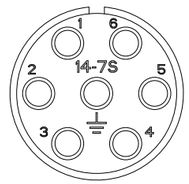
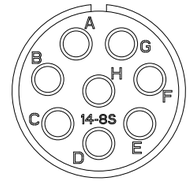
SCALE: NONE | SHEET 2 OF 7

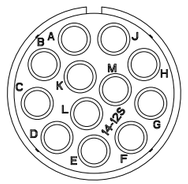
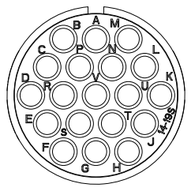
TITLE: EcoMate Aquarius,PLUG,xx POSITION,FEMALE,SHELL SIZE 14,BACK SHELL.
DWG NO: FLS6BS14xxxS03
REV: A2
SH: 1
OF: 1

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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

TABLE 2:

PART NUMBER	FLS6BS14x3S03	FLS6BS14x4S03	FLS6BS14x2S03	FLS6BS14x7S03	FLS6BS14x8S03
FEMALE 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	FLS6BS14x12S03	FLS6BS14x19S03
FEMALE 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

QUANTITY	PART NUMBER	DESCRIPTION	ITEM

MATERIALS LIST

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2 PL DEC ±0.15
3 PL DEC ±0.08
Fractions ±1/64
Angles ±1°
3) Note reference = X

MATERIAL SPECIFICATIONS:

PROCESS SPECIFICATIONS:

NEXT ASS'Y:

SIGNATURES		DATE
DRAWN:	BLINK	NOV-23-21
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ENGINEER:		
APPROVAL:	TOMMY	NOV-25-21
CUSTOMER:		

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EcoMate Aquarius,PLUG,xx POSITION, FEMALE,SHELL SIZE 14,BACK SHELL.

SIZE	TYPE	DWG NO:	REVISION
B	C-	FLS6BS14xxxS03	A2

SCALE: NONE | SHEET 3 OF 7

TITLE: EcoMate Aquarius,PLUG,xx POSITION,FEMALE,SHELL SIZE 14,BACK SHELL.
DWG NO: FLS6BS14xxxS03
REV: A2
SH: 1
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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")

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