

F	1		2	3	4	5	6	7	8	
						REV.	ECN NO.	DATE	SIGN	DESCRIPTION
						B	LEN1580199~210	2015/08/10	Feng_Li	Add Black PVC Cable
						C	LEN1680961~978 LEN1681016~017	2016/08/10	Yulong_wang	Add 6Pin & IP69K.
					D	LEN1750122~25	2017/04/06	Lingpeng	Change The Cable OD	
E										
						① MSAP-XXBFFM-SL8000 Color:Black				
D										
C										
B										
A										

Notes:

- * $\varnothing$ Important Dimension.
- * Waterproof Rate: IP68, IP69K.
- * Connector: PU+GF, Black.
- * Female Pin: Copper Alloy, Gold Plated.
- * Screw Nut: Nylon, Black.
- * Outer Mold: PU, Black.
- * Cable: (A) UL2517, PVC Jacket, Yellow.
(B) UL20549, PUR Jacket, Black.
(D) UL2517, PVC Jacket, Black.
- * Rated Voltage: 3 & 4Pin 250V dc. or ac.
5Pin 60V dc. or ac.
6~12Pin 30V dc. or ac.
- * Rated Current: 3~5Pin 4A
6~8Pin 2A
10~12Pin 1.5A
- * Operating Temperature: -25~85°C
- * Cable Length Tolerance: 01M:±40mm
02M~05M:±60mm
06M~10M:±100mm
11M~30M:±200mm
31M~99M:±500mm

UNIT:mm		TITLE		ITEM NO		DRAWN BY		DATE	
TOLERANCE		M12 A Type Cable Female Conn.		MSAP-XXBFFM-SL8XXX		Lingpeng		2017-04-06	
±0.5mm		SCALE	SIZE	SHEET	CUSTOMER	CHECKED BY	DATE		
		1:1	A4	1 OF 3	ALTW	Ma Fei	2017-04-06		
		REV.	WC-REV.	QC	APPROVED BY		DATE		
		D	A.3	QC:Inspection item	Jerry		2017-04-06		

Amphenol LTW

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ALTW
DCC. DEPT.
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2017.05.15
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R&D DEPT.

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FWMI0702-01-02A1

	1	2	3	4	5	6	7	8			
F	ALTW CONFIDENTIAL 2017-04-06 R&D DEPT.					B 12P	PVC	6.0	26	MSAP-12BFFM-SL8DXX	
						C 10P				MSAP-10BFFM-SL8DXX	
						C 8P				MSAP-08BFFM-SL8DXX	
						C 6P				MSAP-06BFFM-SL8DXX	
						C 5P				MSAP-05BFFM-SL8DXX	
						C 4P	22	MSAP-04BFFM-SL8DXX			
						C 3P		MSAP-03BFFM-SL8DXX			
						D 12P		PUR	4.8	24	MSAP-12BFFM-SL8BXX
						C 10P					MSAP-10BFFM-SL8BXX
						C 8P					MSAP-08BFFM-SL8BXX
C 6P	MSAP-06BFFM-SL8BXX										
D 5P	MSAP-05BFFM-SL8BXX										
D 4P	22	MSAP-04BFFM-SL8BXX									
D 3P		MSAP-03BFFM-SL8BXX									
C 12P		PVC	6.0	26	MSAP-12BFFM-SL8AXX						
C 10P					MSAP-10BFFM-SL8AXX						
C 8P					MSAP-08BFFM-SL8AXX						
C 6P	MSAP-06BFFM-SL8AXX										
C 5P	MSAP-05BFFM-SL8AXX										
C 4P	22	MSAP-04BFFM-SL8AXX									
C 3P		MSAP-03BFFM-SL8AXX									
Contacts		Cable Jacket	Cable OD	AWG	Item No.						

M SAP - XX B F F M - S L 8 X XX

SAP:A-Code Plastic Nut

03: 3Pin

04: 4Pin

05: 5Pin

06: 6Pin

08: 8Pin

10: 10Pin

12: 12Pin

B: Cable Without S/R(線端無網尾)

F: Female Connector(母座)

F: Female Pin(母Pin)

XX:01~99Meters

01:01Meter

02:02Meters

:

99:99Meters

A: PVC UL2517 Cable, Yellow(PVC黃色外被線材)

B: PUR UL20549 Cable, Black(PUR黑色外被線材)

D: PVC UL2517 Cable, Black(PVC黑色外被線材)

8: IP68/69K(防水等級68/69K)

L: Straight(180°線端)

S: Screw(螺紋式)

M: Molding Type(射出成型)

ALTW

DCC. DEPT.

CONFIDENTIAL

2017.05.15

ISSUED

A	UNIT:mm		TITLE			ITEM NO		DRAWN BY		DATE	
	TOLERANCE		MI2 A Type Cable Female Conn.			DWG NO		CHECKED BY		DATE	
	±0.5mm		SCALE	SIZE	SHEET	CUSTOMER		APPROVED BY		DATE	
		1:1	A4	2	OF	ALTW	Ma Fei	Jerry			
		REV. D	WC-REV. A.3	QC:Inspection item							

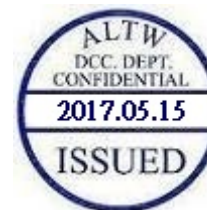
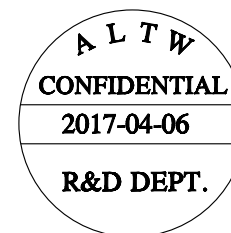
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FMW10702-01-02A1

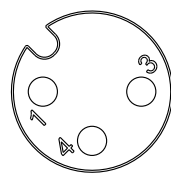
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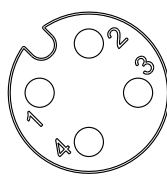


5	--		5	--		5	Gray	灰	8	--		8	Red	紅	12	--	12	Red/Blue	紅/藍
4	Black	黑	4	Black	黑	4	Black	黑	7	Blue	藍	7	Blue	藍	11	--	11	Gray/Pink	灰/粉
3	Blue	藍	3	Blue	藍	3	Blue	藍	6	Pink	粉	6	Pink	粉	10	Violet	10	Violet	紫
3	--		2	White	白	2	White	白	5	--		5	Gray	灰	9	Black	9	Black	黑
1	Brown	棕	1	Brown	棕	1	Brown	棕	4	Yellow	黃	4	Yellow	黃	8	Red	8	Red	紅
									3	Green	綠	3	Green	綠	7	Blue	7	Blue	藍
									2	Brown	棕	2	Brown	棕	6	Pink	6	Pink	粉
									1	White	白	1	White	白	5	Gray	5	Gray	灰
															4	Yellow	4	Yellow	黃
															3	Green	3	Green	綠
															2	Brown	2	Brown	棕
															1	White	1	White	白
Pin #	Wire		Pin #	Wire		Pin #	Wire		Pin #	Wire		Pin #	Wire		Pin #	Wire	Pin #	Wire	

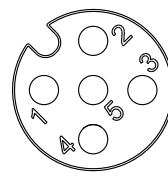
Pin Out



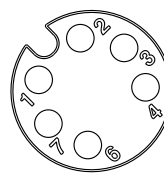
3P



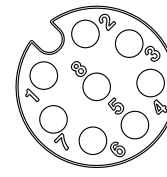
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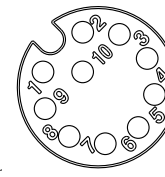
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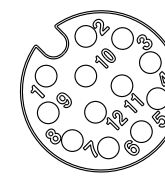
6P



8P



10P



12P

Pin Assignments Front View

UNIT:mm		TITLE	M12 A Type Cable Female Conn.			ITEM NO	DRAWN BY		DATE	
TOLERANCE		SCALE	3:2	SIZE	A4	DWG NO	CHECKED BY		DATE	
±0.5mm		REV.	D	WC-REV.	A.1	CUSTOMER	APPROVED BY		DATE	
		QC: Inspection item			ALTW		Jerry		2017-04-06	

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