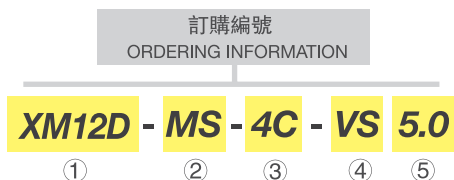


訂購編號 Ordering Information



說明: M12模注單端纜束, 4芯直型公插頭, D碼, PVC屏蔽電纜, 5米長
Example: M12 Single-End Molded Cable, 4P Straight Male, D-Code, Shielding PVC Cable, 5M Length

① 系列 Series

XM8 M8 A-Code
XM8B M8 B-Code
XM12 M12 A-Code
XM12B M12 B-Code
XM12D M12 D-Code
XM12X M12 X-Code

② 連接器類型 Connector type

FF 板前安裝母插座 Front Mount Female Socket
FR 板後安裝母插座 Rear Mount Female Socket
FS 直型母插頭 Female Straight Plug
FA 彎型母插頭 Female Angled Plug
MF 板前安裝公插座 Front Mount Male Socket
MR 板後安裝公插座 Rear Mount Male Socket
MS 直型公插頭 Male Straight Plug
MA 彎型公插頭 Male Angled Plug

③ 芯數 Poles

3C 3 Poles **4C** 4 Poles **5C** 5 Poles
8C 8 Poles **12C** 12 Poles **17C** 17 Poles

④ 其他 Others

LA 插座 Socket
FL 法蘭插座 Flange Socket
DIP 板端插座 DIP Socket
SH 金屬本體 Metal Shell
M 塑膠本體 Plastic Shell
V PVC 外披覆 PVC Sheath
VS PVC 外披覆+屏蔽 PVC Sheath with shielding
LS 低煙無鹵 PVC 外披覆 LSZH PVC Sheath
U PUR 外披覆 PUR Sheath
US PUR 外披覆+屏蔽 PUR Sheath with shielding

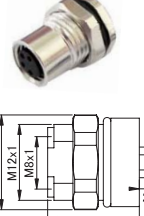
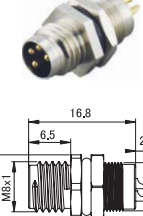
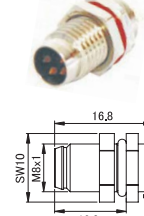
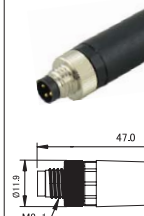
⑤ 線長 Cable Length

編碼 Coding	母觸點排布 Female Contact Arrangements	公觸點排布 Male Contact Arrangements
M8 A Code M8 B Code 5C		
M12 A Code		
M12 A Code		
M12 D Code 4C M12 B Code 5C M12 X Code 8C		

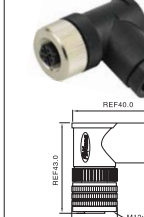
現場總線I/O連接器 Fieldbus I/O Connectors

類型 Type	M12 公連接器	M12 母連接器	M12 公連接器	M12 母連接器
現場總線 Field bus				
Fieldbus	Bus Connector, Male	Bus Connector, Female	Bus Connector, Male	Bus Connector, Female
Ethernet/IP PROFINET	XM12D-MS-4C-M	XM12D-FS-4C-M	XM12D-MS-4C-SH	XM12D-FS-4C-SH
Ethernet/IP 10G	XM12X-MS-8C-M	XM12X-FS-8C-M	XM12X-MS-8C-SH	XM12X-FS-8C-SH
PROFIBUS DP	XM12B-MS-5C-M	XM12B-FS-5C-M	XM12B-MS-5C-SH	XM12B-FS-5C-SH
PROFIBUS PA	XM12-MS-3C-M	XM12-FS-3C-M	XM12-MS-3C-SH	XM12-FS-3C-SH
CC-Link	XM12-MS-4C-M	XM12-FS-4C-M	XM12-MS-4C-SH	XM12-FS-4C-SH
CANopen	XM12-MS-5C-M	XM12-FS-5C-M	XM12-MS-5C-SH	XM12-FS-5C-SH
DeviceNet	XM12-MS-5C-M	XM12-FS-5C-M	XM12-MS-5C-SH	XM12-FS-5C-SH
Foundation Fieldbus	XM12-MS-4C-M	XM12-FS-4C-M	XM12-MS-4C-SH	XM12-FS-4C-SH
AS-i	XM12-MS-4C-M	XM12-FS-4C-M	XM12-MS-4C-SH	XM12-FS-4C-SH

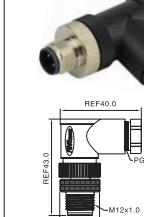
■ XM8 連接器 XM8 Connectors (A Code)

類型 Type	Front Mount Female Socket	Rear Mount Female Socket	Front Mount Male Socket	Rear Mount Male Socket	Field Female Straight Plug	Field Male Straight Plug
芯數 No. of Contact						
3	XM8-FF-3C-LA	XM8-FR-3C-LA	XM8-MF-3C-LA	XM8-MR-3C-LA	XM8-FS-3C-M	XM8-MS-3C-M
4	XM8-FF-4C-LA	XM8-FR-4C-LA	XM8-MF-4C-LA	XM8-MR-4C-LA	XM8-FS-4C-M	XM8-MS-4C-M
6	XM8-FF-6C-LA	XM8-FR-6C-LA	XM8-MF-6C-LA	XM8-MR-6C-LA	-	-

■ XM12 母接頭連接器 XM12 Female Connectors (A Code)

類型 Type	Front Mount Female Socket	Rear Mount Female Socket	Front Mount Female Socket (DIP)	Metal Field Female Straight Plug	Field Female Straight Plug	Field Female Angled Plug
芯數 No. of Contact						
4	XM12-FF-4C-LA	XM12-FR-4C-LA	XM12-FF-4C-DIP	XM12-FS-4C-SH	XM12-FS-4C-M	XM12-FA-4C-M
5	XM12-FF-5C-LA	XM12-FR-5C-LA	XM12-FF-5C-DIP	XM12-FS-5C-SH	XM12-FS-5C-M	XM12-FA-5C-M
8	XM12-FF-8C-LA	XM12-FR-8C-LA	XM12-FF-8C-DIP	XM12-FS-8C-SH	XM12-FS-8C-M	XM12-FA-8C-M

■ XM12 公接頭連接器 XM12 Male Connectors (A Code)

類型 Type	Front Mount Male Socket	Rear Mount Male Socket	Front Mount Male Socket (DIP)	Metal Field Male Straight Plug	Field Male Straight Plug	Field Male Angled Plug
芯數 No. of Contact						
4	XM12-MF-4C-LA	XM12-MR-4C-LA	XM12-MF-4C-DIP	XM12-MS-4C-SH	XM12-MS-4C-M	XM12-MA-4C-M
5	XM12-MF-5C-LA	XM12-MR-5C-LA	XM12-MF-5C-DIP	XM12-MS-5C-SH	XM12-MS-5C-M	XM12-MA-5C-M
8	XM12-MF-8C-LA	XM12-MR-8C-LA	XM12-MF-8C-DIP	XM12-MS-8C-SH	XM12-MS-8C-M	XM12-MA-8C-M

■ XM12 母接頭連接器 XM12 Female Connectors

■ XM12 公接頭連接器 XM12 Male Connectors

類型 Type	Front Mount Female Socket	Rear Mount Female Socket	Metal Field Female Straight Plug	Front Mount Male Socket	Rear Mount Male Socket	Metal Field Male Straight Plug
芯數 No. of Contact						
4 D	XM12D-FF-4C-LA	XM12D-FR-4C-LA	XM12D-FS-4C-SH	XM12D-MF-4C-LA	XM12D-MR-4C-LA	XM12D-MS-4C-SH
5 B	XM12B-FF-5C-LA	XM12B-FR-5C-LA	XM12B-FS-5C-SH	XM12B-MF-5C-LA	XM12B-MR-5C-LA	XM12B-MS-5C-SH
8 X	XM12X-FF-8C-LA	XM12X-FR-8C-LA	XM12X-FS-8C-SH	XM12X-MF-8C-LA	XM12X-MR-8C-LA	XM12X-MS-8C-SH

XM8/XM12 帶線插座 XM8/XM12 Socket with Wire (A Code)

芯數 No. of Contact	類型 Type	Front Mount Female	Front Mount Male	Front Mount Female	Rear Mount Female	Front Mount Male	Rear Mount Male
							
3	0.5m	XM8-FF-3C-LA0.5	XM8-MF-3C-LA0.5	XM12-FF-3C-LA0.5	XM12-FR-3C-LA0.5	XM12-MF-3C-LA0.5	XM12-MR-3C-LA0.5
4	0.5m	XM8-FF-4C-LA0.5	XM8-MF-4C-LA0.5	XM12-FF-4C-LA0.5	XM12-FR-4C-LA0.5	XM12-MF-4C-LA0.5	XM12-MR-4C-LA0.5
5	0.5m	XM8B-FF-5C-LA0.5	XM8B-MF-5C-LA0.5	XM12-FF-5C-LA0.5	XM12-FR-5C-LA0.5	XM12-MF-5C-LA0.5	XM12-MR-5C-LA0.5

XM12 帶線插座 XM12 Socket with Wire (A Code)

芯數 No. of Contact	類型 Type	Front Mount Female	Rear Mount Female	Front Mount Male	Rear Mount Male
					
8	0.5m	XM12-FF-8C-LA0.5	XM12-FR-8C-LA0.5	XM12-MF-8C-LA0.5	XM12-MR-8C-LA0.5
12	0.5m	XM12-FF-12C-LA0.5	XM12-FR-12C-LA0.5	XM12-MF-12C-LA0.5	XM12-MR-12C-LA0.5
17	0.5m	XM12-FF-17C-LA0.5	XM12-FR-17C-LA0.5	XM12-MF-17C-LA0.5	XM12-MR-17C-LA0.5

XM12 帶線插座 XM12 Socket with Wire

芯數 No. of Contact	類型 Type	Front Mount Female	Rear Mount Female	Front Mount Male	Rear Mount Male
					
4 D	0.5m	XM12D-FF-4C-LA0.5	XM12D-FR-4C-LA0.5	XM12D-MF-4C-LA0.5	XM12D-MR-4C-LA0.5
5 B	0.5m	XM12B-FF-5C-LA0.5	XM12B-FR-5C-LA0.5	XM12B-MF-5C-LA0.5	XM12B-MR-5C-LA0.5
8 X	0.5m	XM12X-FF-8C-LA0.5	XM12X-FR-8C-LA0.5	XM12X-MF-8C-LA0.5	XM12X-MR-8C-LA0.5

XM8 單頭帶線插頭(帶屏蔽) XM8 Single - End Cordsets (with Shield) (A Code)

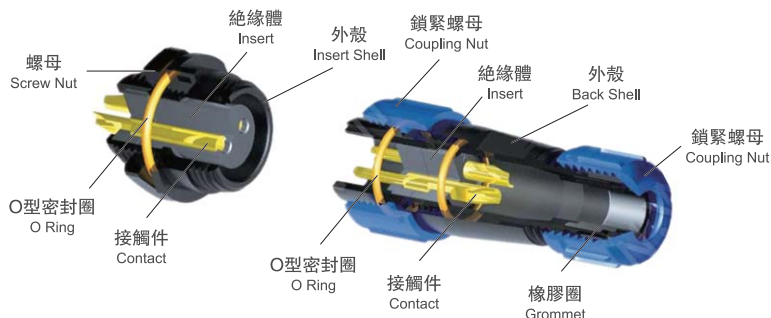
芯數 No. of Contact	類型 Type	Male Straight	Female Straight	Male Angled	Female Angled
					
3	PVC	2m XM8-MS-3C-VS2.0	2m XM8-FS-3C-VS2.0	2m XM8-MA-3C-VS2.0	2m XM8-FA-3C-VS2.0
		5m XM8-MS-3C-VS5.0	5m XM8-FS-3C-VS5.0	5m XM8-MA-3C-VS5.0	5m XM8-FA-3C-VS5.0
		10m XM8-MS-3C-VS10.0	10m XM8-FS-3C-VS10.0	10m XM8-MA-3C-VS10.0	10m XM8-FA-3C-VS10.0
	PUR	2m XM8-MS-3C-US2.0	2m XM8-FS-3C-US2.0	2m XM8-MA-3C-US2.0	2m XM8-FA-3C-US2.0
		5m XM8-MS-3C-US5.0	5m XM8-FS-3C-US5.0	5m XM8-MA-3C-US5.0	5m XM8-FA-3C-US5.0
		10m XM8-MS-3C-US10.0	10m XM8-FS-3C-US10.0	10m XM8-MA-3C-US10.0	10m XM8-FA-3C-US10.0
4	PVC	2m XM8-MS-4C-VS2.0	2m XM8-FS-4C-VS2.0	2m XM8-MA-4C-VS2.0	2m XM8-FA-4C-VS2.0
		5m XM8-MS-4C-VS5.0	5m XM8-FS-4C-VS5.0	5m XM8-MA-4C-VS5.0	5m XM8-FA-4C-VS5.0
		10m XM8-MS-4C-VS10.0	10m XM8-FS-4C-VS10.0	10m XM8-MA-4C-VS10.0	10m XM8-FA-4C-VS10.0
	PUR	2m XM8-MS-4C-US2.0	2m XM8-FS-4C-US2.0	2m XM8-MA-4C-US2.0	2m XM8-FA-4C-US2.0
		5m XM8-MS-4C-US5.0	5m XM8-FS-4C-US5.0	5m XM8-MA-4C-US5.0	5m XM8-FA-4C-US5.0
		10m XM8-MS-4C-US10.0	10m XM8-FS-4C-US10.0	10m XM8-MA-4C-US10.0	10m XM8-FA-4C-US10.0

■ XM12 單頭帶綫插頭(帶屏蔽) XM12 Single - End Cordsets(with Shield) (A Code)

類型 Type 芯數 No. of Contact			Male Straight	Female Straight	Male Angled	Female Angled
4	PVC	2m	XM12-MS-4C-VS2.0	XM12-FS-4C-VS2.0	XM12-MA-4C-VS2.0	XM12-FA-4C-VS2.0
		5m	XM12-MS-4C-VS5.0	XM12-FS-4C-VS5.0	XM12-MA-4C-VS5.0	XM12-FA-4C-VS5.0
		10m	XM12-MS-4C-VS10.0	XM12-FS-4C-VS10.0	XM12-MA-4C-VS10.0	XM12-FA-4C-VS10.0
	PUR	2m	XM12-MS-4C-US2.0	XM12-FS-4C-US2.0	XM12-MA-4C-US2.0	XM12-FA-4C-US2.0
		5m	XM12-MS-4C-US5.0	XM12-FS-4C-US5.0	XM12-MA-4C-US5.0	XM12-FA-4C-US5.0
		10m	XM12-MS-4C-US10.0	XM12-FS-4C-US10.0	XM12-MA-4C-US10.0	XM12-FA-4C-US10.0
5	PVC	2m	XM12-MS-5C-VS2.0	XM12-FS-5C-VS2.0	XM12-MA-5C-VS2.0	XM12-FA-5C-VS2.0
		5m	XM12-MS-5C-VS5.0	XM12-FS-5C-VS5.0	XM12-MA-5C-VS5.0	XM12-FA-5C-VS5.0
		10m	XM12-MS-5C-VS10.0	XM12-FS-5C-VS10.0	XM12-MA-5C-VS10.0	XM12-FA-5C-VS10.0
	PUR	2m	XM12-MS-5C-US2.0	XM12-FS-5C-US2.0	XM12-MA-5C-US2.0	XM12-FA-5C-US2.0
		5m	XM12-MS-5C-US5.0	XM12-FS-5C-US5.0	XM12-MA-5C-US5.0	XM12-FA-5C-US5.0
		10m	XM12-MS-5C-US10.0	XM12-FS-5C-US10.0	XM12-MA-5C-US10.0	XM12-FA-5C-US10.0
8	PVC	2m	XM12-MS-8C-VS2.0	XM12-FS-8C-VS2.0	XM12-MA-8C-VS2.0	XM12-FA-8C-VS2.0
		5m	XM12-MS-8C-VS5.0	XM12-FS-8C-VS5.0	XM12-MA-8C-VS5.0	XM12-FA-8C-VS5.0
		10m	XM12-MS-8C-VS10.0	XM12-FS-8C-VS10.0	XM12-MA-8C-VS10.0	XM12-FA-8C-VS10.0
	PUR	2m	XM12-MS-8C-US2.0	XM12-FS-8C-US2.0	XM12-MA-8C-US2.0	XM12-FA-8C-US2.0
		5m	XM12-MS-8C-US5.0	XM12-FS-8C-US5.0	XM12-MA-8C-US5.0	XM12-FA-8C-US5.0
		10m	XM12-MS-8C-US10.0	XM12-FS-8C-US10.0	XM12-MA-8C-US10.0	XM12-FA-8C-US10.0

■ XM12 單頭帶綫插頭(帶屏蔽) XM12 Single - End Cordsets (with Shield)

類型 Type 芯數 No. of Contact			Male Straight	Female Straight	Male Angled	Female Angled
4 D-Code	PVC	2m	XM12D-MS-4C-VS2.0	XM12D-FS-4C-VS2.0	XM12D-MA-4C-VS2.0	XM12D-FA-4C-VS2.0
		5m	XM12D-MS-4C-VS5.0	XM12D-FS-4C-VS5.0	XM12D-MA-4C-VS5.0	XM12D-FA-4C-VS5.0
		10m	XM12D-MS-4C-VS10.0	XM12D-FS-4C-VS10.0	XM12D-MA-4C-VS10.0	XM12D-FA-4C-VS10.0
	PUR	2m	XM12D-MS-4C-US2.0	XM12D-FS-4C-US2.0	XM12D-MA-4C-US2.0	XM12D-FA-4C-US2.0
		5m	XM12D-MS-4C-US5.0	XM12D-FS-4C-US5.0	XM12D-MA-4C-US5.0	XM12D-FA-4C-US5.0
		10m	XM12D-MS-4C-US10.0	XM12D-FS-4C-US10.0	XM12D-MA-4C-US10.0	XM12D-FA-4C-US10.0
5 B-Code	PVC	2m	XM12B-MS-5C-VS2.0	XM12B-FS-5C-VS2.0	XM12B-MA-5C-VS2.0	XM12B-FA-5C-VS2.0
		5m	XM12B-MS-5C-VS5.0	XM12B-FS-5C-VS5.0	XM12B-MA-5C-VS5.0	XM12B-FA-5C-VS5.0
		10m	XM12B-MS-5C-VS10.0	XM12B-FS-5C-VS10.0	XM12B-MA-5C-VS10.0	XM12B-FA-5C-VS10.0
	PUR	2m	XM12B-MS-5C-US2.0	XM12B-FS-5C-US2.0	XM12B-MA-5C-US2.0	XM12B-FA-5C-US2.0
		5m	XM12B-MS-5C-US5.0	XM12B-FS-5C-US5.0	XM12B-MA-5C-US5.0	XM12B-FA-5C-US5.0
		10m	XM12B-MS-5C-US10.0	XM12B-FS-5C-US10.0	XM12B-MA-5C-US10.0	XM12B-FA-5C-US10.0
8 X-Code	PVC	2m	XM12X-MS-8C-VS2.0	XM12X-FS-8C-VS2.0	XM12X-MA-8C-VS2.0	XM12X-FA-8C-VS2.0
		5m	XM12X-MS-8C-VS5.0	XM12X-FS-8C-VS5.0	XM12X-MA-8C-VS5.0	XM12X-FA-8C-VS5.0
		10m	XM12X-MS-8C-VS10.0	XM12X-FS-8C-VS10.0	XM12X-MA-8C-VS10.0	XM12X-FA-8C-VS10.0
	PUR	2m	XM12X-MS-8C-US2.0	XM12X-FS-8C-US2.0	XM12X-MA-8C-US2.0	XM12X-FA-8C-US2.0
		5m	XM12X-MS-8C-US5.0	XM12X-FS-8C-US5.0	XM12X-MA-8C-US5.0	XM12X-FA-8C-US5.0
		10m	XM12X-MS-8C-US10.0	XM12X-FS-8C-US10.0	XM12X-MA-8C-US10.0	XM12X-FA-8C-US10.0



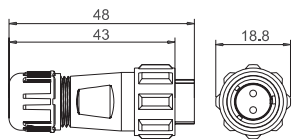
材料和技術參數 Material and Spec

鎖緊方式	Coupling	螺紋鎖緊	Thread Coupling
外殼材料	Shell Material	熱塑塑料PA66, 阻燃等級:UL94V-0	PA66, UL94V-0
絕緣體	Insert Material	PPS工程塑料	PPS Engineering Plastics
接觸件材料	Contact Material	銅鍍金	Brass with gold plating
接線方式	Termination	焊接	Solder
電纜直徑	Cable Range	GM13: 4~6.5mm GM17: 7~10mm GM21: 7~12mm	
防護等級	IP Rating	IP68	
接插次數	Mating Cycle	>500次 >500 times	
溫度範圍	Temperature Range	-25℃~+85℃	
絕緣電阻	Insulation Resistance (MΩ)	2000	

GM13XX

系列選型指南 Mating Guide

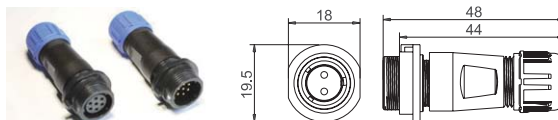
Cable Plug 電纜插頭



GM1310/P_ GM1310/S

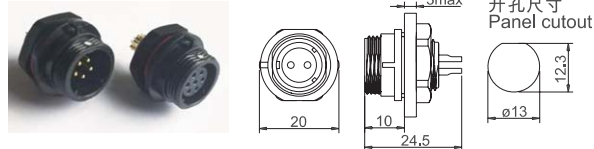
Number of Contact 芯數
Cable Outer Diameter 電纜外徑
Blank: 4.0-6.5mm A: 5-8mm

電纜對接插座 In-Line Cable Receptacle



GM1311/S_ GM1311/P_

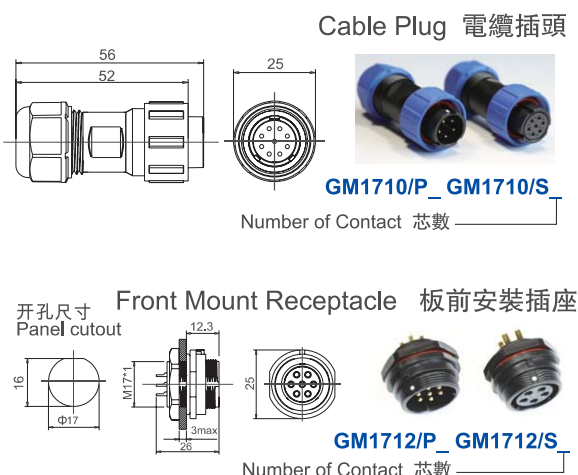
板前安裝插座 Front Mount Receptacle



GM1312/P_ GM1312/S

芯數 Number of Contact

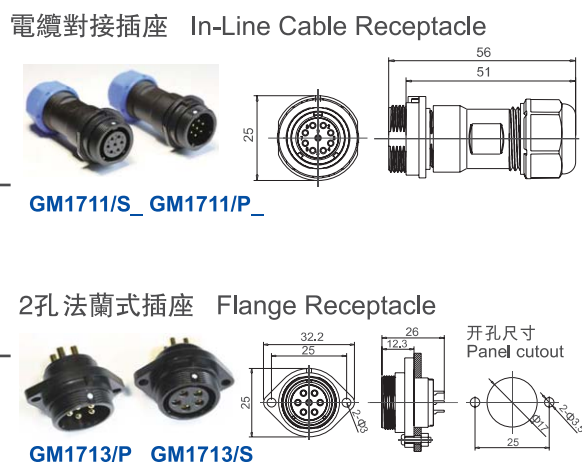
芯數 Number of Contact	2	3	4	5	6	7	9
插針絕緣體正面圖 Front View of Pin Insert							
額定電流 Rated Current (A)	13A	13A	5A	5A	5A	5A	3A
接觸件直徑 Contact Diameter	Φ 1.6*2	Φ 1.6*3	Φ 1.0*4	Φ 1.0*5	Φ 1.0*6	Φ 1.0*7	Φ 0.7*9
接線方式 Termination	焊接 Solder	焊接 Solder	焊接 Solder	焊接 Solder	焊接 Solder	焊接 Solder	焊接 Solder
工作電壓 Rated Voltage (AC.V)	250V	250V	200V	200V	200V	200V	125V
耐壓 Test Voltage (AC.V) 1 min	1500V	1500V	1500V	1500V	1500V	1500V	1500V
接觸電阻 Contact Resistance (MΩ)	2	2	5	5	5	5	10
焊接線規 Wire Size for Screw Crimp (mm²/AWG)	≤2/14	≤2/14	≤0.785/18	≤0.785/18	≤0.785/18	≤0.785/18	≤0.785/18



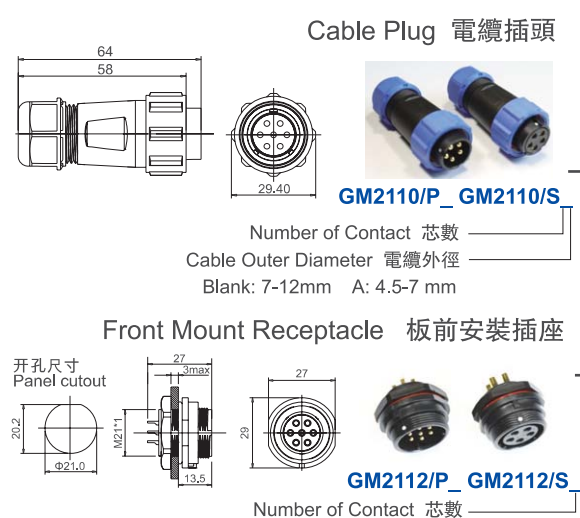
GM17XX

系列選型指南

Mating Guide



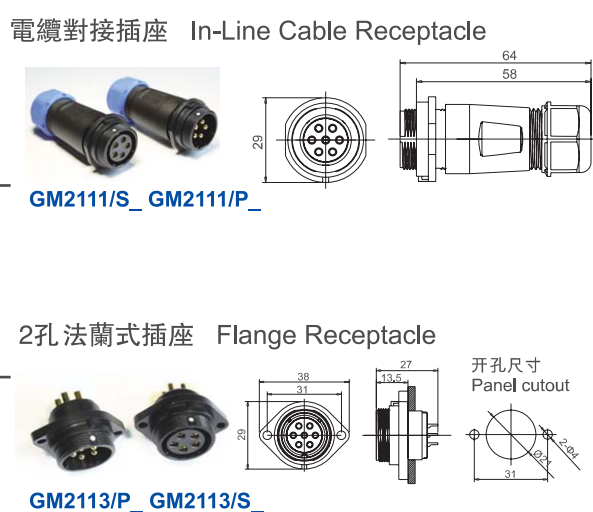
芯數 Number of Contact	2	3	4	5	6	7	9
插針絕緣體正面圖 Front View of Pin Insert							
額定電流 Rated Current (A)	13A	13A	5A	5A	5A	5A	5A
接觸件直徑 Contact Diameter	Φ1.5*2	Φ1.5*3	Φ1.0*4	Φ1.0*5	Φ1.0*6	Φ1.0*7	Φ0.7*9
接線方式 Termination	焊接 Solder	焊接 Solder	焊接 Solder	焊接 Solder	焊接 Solder	焊接 Solder	焊接 Solder
工作電壓 Rated Voltage (AC.V)	500V	500V	500V	500V	200V	500V	500V
耐壓 Test Voltage (AC.V) 1 min	1500V	1500V	1500V	1500V	1500V	1500V	1500V
接觸電阻 Contact Resistance (MΩ)	1	1	1	1	5	1/5	2.5
焊接線規 Wire Size for Screw Crimp (mm²/AWG)	≤2/14	≤2/14	≤0.785/18	≤0.785/18	≤0.785/18	≤0.785/18	≤0.785/18



GM21XX

系列選型指南

Mating Guide



芯數 Number of Contact	2	3	4	5A	5B	5C	7	9	12
插針絕緣體正面圖 Front View of Pin Insert									
額定電流 Rated Current (A)	30A	30A	30A	30A	30A/5A	15A	15A	5A	5A
接觸件直徑 Contact Diameter	Φ3.0*2	Φ3.0*3	Φ3.0*4	Φ3.0*5	Φ3.0*2+Φ1.0*3	Φ2.0*5	Φ2.0*7	Φ1.0*9	Φ0.7*12
接線方式 Termination	焊接 Solder	焊接 Solder	焊接 Solder	焊接 Solder	焊接 Solder	焊接 Solder	焊接 Solder	焊接 Solder	焊接 Solder
工作電壓 Rated Voltage (AC.V)	500V	500V	500V	500V	500V	500V	500V	500V	400V
耐壓 Test Voltage (AC.V) 1 min	1500V	1500V	1500V	1500V	1500V	1500V	1500V	1500V	1500V
接觸電阻 Contact Resistance (MΩ)	1	1	1	1	1/5	2.5	2.5	5	10
焊接線規 Wire Size for Screw Crimp (mm²/AWG)	≤4.17/11	≤4.17/11	≤4.17/11	≤4.17/11	≤4.17/11 ≤0.785/18	≤2/14	≤2/14	≤0.785/18	≤0.785/18