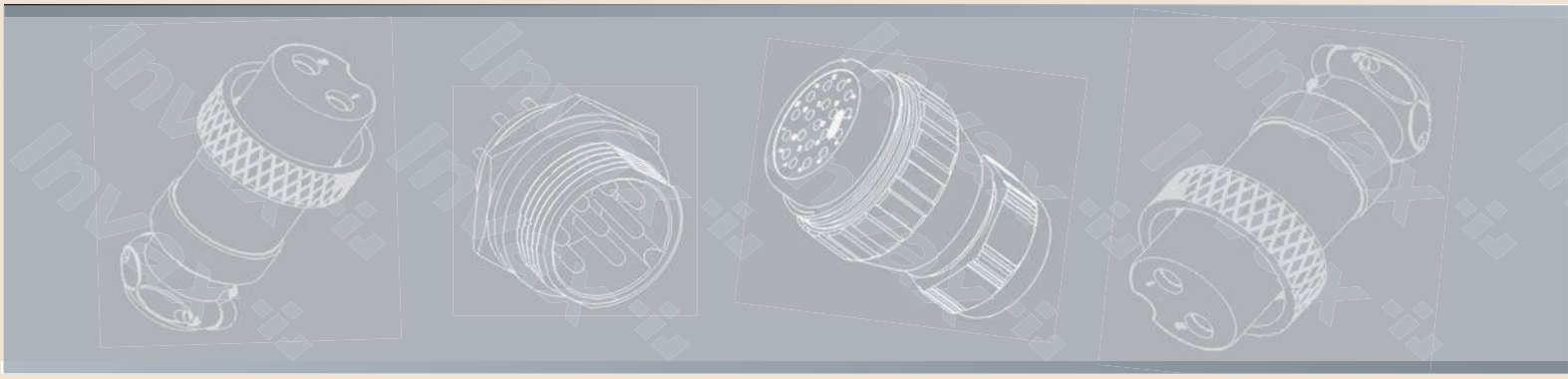
圓形軍規連接器

Circular Connectors

Industrial High Reliability Interconnect Solutions



ISO 9001 • ISO 14001

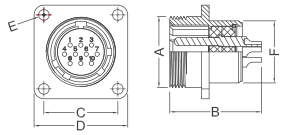
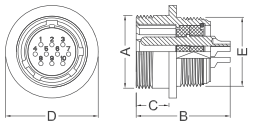
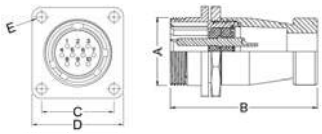
C 12.46

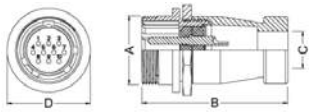
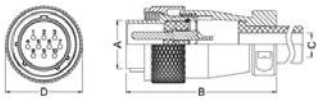
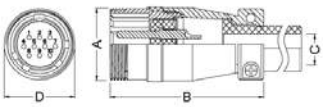
CR Series CR系列

- Solid metal shell construction
- Threaded coupling & color coded ring option
- Cost effective for industrial grade application
- Key polarization and alternate position
- Gold plated & solder contact terminals
- UL certified

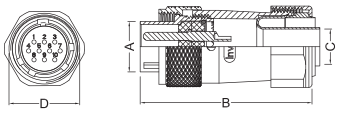
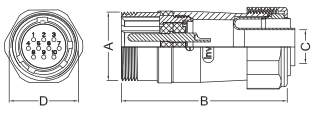
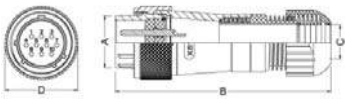
No. of contacts 接點數及電氣規格：

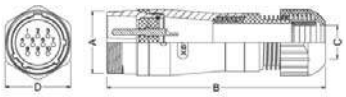
CR2 :	2 , 3 (pins)	15A / 250V	**CR4 :**	12 , 16 , 17 (pins)	8A / 250V
	4 , 7	10A / 250V		20 , 26	4A / 250V
CR3 :	10	10A / 250V	**CR5 :**	24 (pins)	8A / 250V
	16	4A / 250V			

Series 規格系列	CRxR Box Mounting (Square Flange) 方型面板座						CRxA Box Mounting (Round Flange w/Hex lock nut) 圓型面板座					CRxD Wall Mounting w/backshell (Square Flange) 方型面板座 (束線型)				
Contact	Male (公)			Female (母)			Male (公)			Female (母)		Male (公)			Female (母)	
Connector Style 外型式樣																
Outer Dimension of Connector 外型尺寸																
	A	B	C	D	E	F	A	B	C	D	E	A	B	C	D	E
CR2	21.8	26.4	sq 23.0	sq 29.0	3.3	19.8	21.8	26.4	9.9	28.5	19.8	21.8	47.8	sq 23.0	sq 29.0	3.3
CR3	25.8	26.8	sq 26.0	sq 32.0	3.3	24.0	25.8	26.8	10.3	31.5	24.0	25.8	53.4	sq 26.0	sq 32.0	3.3
CR4	29.8	26.8	sq 29.0	sq 35.0	3.3	27.6	29.8	26.8	10.5	34.5	27.6	29.8	55.0	sq 29.0	sq 35.0	3.3
CR5	37.8	40.0	sq 35.0	sq 44.8	3.3	34.9	–	–	–	–	–	–	–	–	–	–

Series 規格系列	CRxF Wall Mounting w/backshell (Round Flange w/Hex lock nut) 圓型面板座 (束線型)				CRxP-10 Straight Plug w/bushing 套環型接線接頭 (夾線式)				CRxE-10 Cable Extender w/bushing 延長型接線接頭 (夾線式)			
Contact	Male (公)			Female (母)	Male (公)			Female (母)	Male (公)			Female (母)
Connector Style 外型式樣												
Outer Dimension of Connector 外型尺寸												
	A	B	C	D	A	B	C	D	A	B	C	D
CR2	21.8	48.7	13.0	28.5	16.0	50.0	8.5	25.5	21.8	48.7	8.5	23.5
CR3	25.8	53.4	13.4	31.5	20.5	53.0	9.8	30.0	25.8	53.4	9.8	27.0
CR4	29.8	55.0	17.0	34.5	24.5	56.0	12.5	33.8	29.8	55.0	12.5	31.5
CR5	–	–	–	–	32.7	70.0	16.5	43.0	–	–	–	–

圓形工業連接器

Series 規格系列	CRxP-20 Straight Plug For flexible conduit) 套環型接線接頭 (浪管式)				CRxE-20 Cable Extender (For flexible conduit) 延長型接線接頭 (浪管式)				CRxP-Bxx Straight Plug (w/plastic cable gland clamp) 套環型接線接頭 (迫緊束線式)			
Contact	Male (公)		Female (母)		Male (公)		Female (母)		Male (公)		Female (母)	
Connector Style 外型式樣												
Outer Dimension of Connector 外型尺寸												
	A	B	C	D	A	B	C	D	A	B	C	D
CR2	16.0	57.5	11.3	25.5	21.8	56.5	11.3	23.5	16.0	78.4	12.0	27.0
CR3	20.5	62.5	11.3	30.0	25.4	62.8	11.3	27.0	20.5	84.5	12.0	27.0
CR4	24.5	62.5	14.7	33.8	29.8	61.0	14.7	31.5	24.5	88.3	16.0	33.0
CR5	–	–	–	–	–	–	–	–	–	–	–	–

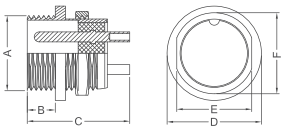
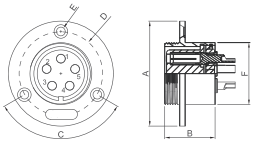
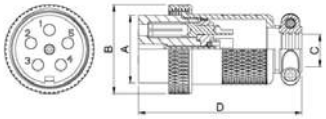
Series 規格系列	CRxE-Bxx Cable Extender (w/plastic cable gland clamp) 延長型接線接頭 (迫緊束線式)			
Contact	Male (公)		Female (母)	
Connector Style 外型式樣				
Outer Dimension of Connector 外型尺寸				
	A	B	C	D
CR2	21.8	77.8	12.0	27.0
CR3	25.8	85.0	12.0	27.0
CR4	29.8	87.6	16.0	33.0
CR5	–	–	–	–

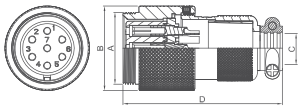
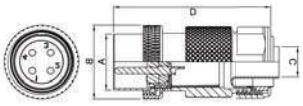
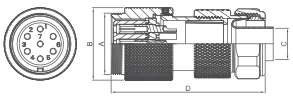
CS Series cs系列

- Solid metal shell construction
- Threaded coupling hard dielectric inserts
- Cost effective for industrial grade application
- Front Key polarization
- Solder contact terminals
- UL certified

No. of contacts 接點數及電氣規格：

CS1 :	2 , 3 , 4 , 5 , 6 , 7 , 8 (pins)	5A / 125V
CS2 :	2 , 3 , 4 (pins)	5A / 125V
CS3 :	2 , 3 , 4 , 5 , 6 , 7 (pins)	10A / 250V
CS4 :	2 , 3 , 4 , 5 , 7 (pins)	15A / 250V
	8	5A / 250V
CS5 :	1 (pin)	250A / 250V
	2 , 3 (pins)	30A / 250V
CS6 :	4 (pin)	30A / 250V

Series 規格系列	CSxA Box Mounting Round Flange w/Hex Lock Nut 圓型面板座						CSxR Box Mounting (Screw Flange) 圓型面板座						CSxP Straight Plug 套環型接線接頭 (夾線式)			
Contact	Male (公)						Male (公)			Female (母)			Male (公)			Female (母)
Connector Style 外型式樣																
Outer Dimension of Connector 外型尺寸																
	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D
CS1	15.7	5.4	20.5	18.3	14.5	15.7	–	–	–	–	–	–	12.5	18.0	6.6	36.0
CS2	–	–	–	–	–	–	33.0	25.0	120	25.5	3.3	18.9	15.5	22.0	9.0	43.0
CS3	–	–	–	–	–	–	42.2	27.5	120	33.5	3.3	24.9	21.1	27.7	10.8	50.3
CS4	–	–	–	–	–	–	46.0	29.3	120	38.0	3.3	30.0	25.6	33.0	12.0	54.8
CS5	–	–	–	–	–	–	51.0	35.5	120	42.0	3.3	32.0	27.7	38.0	15.5	64.5
CS6	–	–	–	–	–	–	58.0	36.6	120	50.0	3.3	40.0	35.0	46.0	16.4	69.0

Series 規格系列	CS x E Cable Extender 延長型接線接頭 (夾線式)		CSxP-20 Straight Plug (For flexible conduit) 套環型接線接頭 (浪管式)		CS x E-20 Cable Extender 延長型接線接頭 (浪管式)	
Contact	Male (公)	Female (母)	Male (公)	Female (母)	Male (公)	Female (母)
Connector Style 外型式樣						
Outer Dimension of Connector 外型尺寸						
	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D
CS1	15.7	17.8	6.6	43.8	–	–	–	–	–	–	–	–	–	–	–	–
CS2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CS3	24.8	28.7	10.8	57.4	21.1	27.7	11.3	60.0	24.8	28.7	11.3	60.2				
CS4	29.0	34.0	12.0	63.5	25.6	33.0	11.3	60.0	29.0	34.0	11.3	65.3				
CS5	–	–	–	–	–	–	–	–	–	–	–	–				
CS6	–	–	–	–	–	–	–	–	–	–	–	–				

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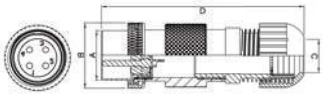
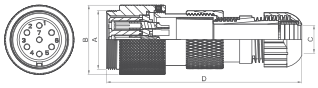
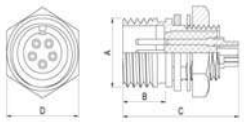
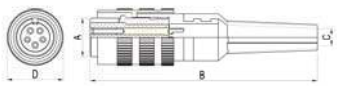
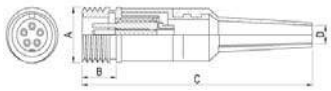
Series 規格系列	CSxP-Bxx Straight Plug (w/plastic cable gland clamp) 套環型接線接頭 (迫緊束線式)				CS x E-Bxx Cable Extender 延長型接線接頭 (迫緊束線式)			
Contact	Male (公)		Female (母)		Male (公)		Female (母)	
Connector Style 外型式樣								
Outer Dimension of Connector 外型尺寸								
	A	B	C	D	A	B	C	D
CS1	–	–	–	–	–	–	–	–
CS2	–	–	–	–	–	–	–	–
CS3	21.1	27.7	12.0	84.1	24.8	28.7	12.0	86.0
CS4	25.6	33.0	12.0	90.2	29.0	34.0	12.0	92.0
CS5	–	–	–	–	–	–	–	–
CS6	–	–	–	–	–	–	–	–

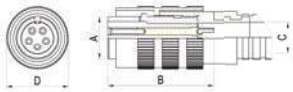
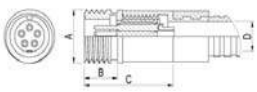
CM Series CM系列

- Subminiature size metal shell construction
- Threaded coupling and gold plated contacts
- Cost effective for instrument application
- Solder contacts and molded on wire options

No. of contacts 接點數及電氣規格：

CM1 : 3, 4 , 5 (pins) 2A / 125V

Series 規格系列	CMxA Box Mounting w/Hex Nut 面板座				CMxP-10 Straight Plug 套環型接線接頭				CMxE-10 Cable Extender 延長型接線接頭			
Contact	Male (公)		Female (母)		Male (公)		Female (母)		Male (公)		Female (母)	
Connector Style 外型式樣												
Outer Dimension of Connector 外型尺寸												
	A	B	C	D	A	B	C	D	A	B	C	D
CM1	9.5	6.6	17.8	10.0	7.5	46.5	4.0	11.4	9.5	6.6	44.6	4.0

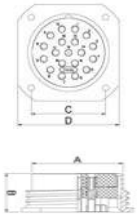
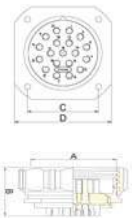
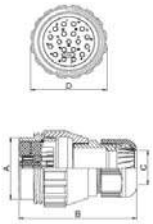
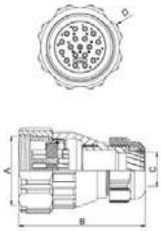
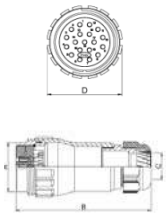
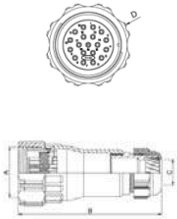
Series 規格系列	CMxP-MD Straight Plug (w/Molding Cable Molding) 套環型接線接頭 (含線成型)				CMxE-MD Cable Extender (w/Molding Cable) 延長型接線接頭 (含線成型)			
Contact	Male (公)		Female (母)		Male (公)		Female (母)	
Connector Style 外型式樣								
Outer Dimension of Connector 外型尺寸								
	A	B	C	D	A	B	C	D
CM1	7.5	16.0	4.0	11.4	9.5	6.6	16.0	4.0

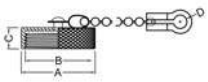
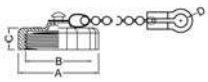
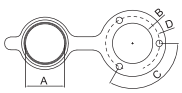
CT Series CT系列

- Robust Aluminum alloy shell construction
- Threaded coupling conform IP-67
- Heavy duty for industrial grade application
- Front Key polarization and alternate positions
- Hard gold plated Solder contact terminals

No. of contacts 接點數及電氣規格：

CT4 : 19 (pins) 25A / 250V

Series 規格系列	CT4R				CT4C				CT4E-S0				CT4P-S0				CT4E-L0				CT4P-L0			
	Box / Wall Mounting (Screw Flange) 面板座								Short Backshell (w/plastic cable gland clamp) 接線短柄接頭								Long Backshell (w/plastic cable gland clamp)接線長柄接頭							
Contact	Female Receptacle (母)				Male Plug (公)				Female Cable Extender (母)				Male Straight Plug (公)				Female Cable Extender(母)				Male Straight Plug (公)			
Connector Style 外型式樣																								
Outer Dimension of Connector 外型尺寸																								
	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D
CT4	45.8	25.7	SQ 41	SQ 56	50.0	35.8	SQ 41	SQ 56	45.8	87.5	26.5	56.6	50.0	93.0	26.5	64.0	45.8	127	26.5	56.6	50.0	135	26.5	64.3

Series 規格系列		CR / CS Dust Cap 防塵蓋											
Contact		Metal Cap 金屬蓋				Plastic Cap 塑膠蓋				Rubber Dust Cap 墊圈防塵蓋			
Cap Style 外型式樣													
Outer Dimension 外型尺寸													
		A	B	C	D	A	B	C	D	A	B	C	D
CR	CR2	25.5	M22*1.0	7.2	5.3	28.0	M22*1.0	9.0	5.3	20.8	19.6	–	SQ23
	CR3	28.5	M26*1.0	8.2	5.3	32.0	M26*1.0	9.0	5.3	24.8	23.8	–	SQ26
	CR4	34.0	M30*1.0	8.2	5.3	36.0	M30*1.0	9.0	5.3	28.8	27.3	–	SQ29
	CR5	–	–	–	–	–	–	–	–	36.8	34.6	–	SQ35
CS	CS2	–	–	–	–	–	–	–	–	17.8	18.6	120	25.5
	CS3	28.5	M25*1.25	8.2	5.3	32.0	M25*1.25	9.0	5.3	23.8	25.0	120	33.8
	CS4	34.0	M29.2*1.0	8.2	5.3	36.0	M29.2*1.0	9.0	5.3	28.0	30.0	120	38.0
	CS5	–	–	–	–	–	–	–	–	32.8	31.6	120	42.0
	CS6	–	–	–	–	–	–	–	–	40.2	39.5	120	50.0

線規對照表

Conversion Chart of American Wire Gauge

美規線號	耐電流 (A)	平方值				導體直徑
Size AWG or MCM	Amperes Single Cond. 75℃ Copper (NFPA)	Circular Mils	Area Square Inches	Square mm	Inches ClassM (NEMA)	Approx Diameter (mm)
20	7	1020	0.0008	0.52	0.038	0.97
18	10	1620	0.0013	0.82	0.048	1.22
16	15	2580	0.0020	1.31	0.060	1.52
14	20	4110	0.0032	2.08	0.078	1.98
12	25	6530	0.0051	3.31	0.101	2.57
10	40	10380	0.0082	5.26	0.126	3.20
8	65	16510	0.0130	8.37	0.162	4.11
6	95	26240	0.0206	13.30	0.215	5.46
4	125	41740	0.0328	21.15	0.269	6.83
2	170	66360	0.0521	33.62	0.337	8.56
1	195	83690	0.0657	42.41	0.376	9.55
1/0	230	105600	0.0829	53.50	0.423	10.74
2/0	265	133100	0.1045	67.43	0.508	12.90
3/0	310	167800	0.1318	85.01	0.576	14.63
4/0	360	211600	0.1662	107.20	0.645	16.38
250 MCM	405	250000	0.1964	126.70	0.713	18.11
300 MCM	445	300000	0.2356	152.00	0.768	19.51
500 MCM	620	500000	0.3927	253.40	0.997	25.32
750 MCM	785	750000	0.5891	380.00	1.207	30.66
1000 MCM	935	1000000	0.7854	506.70	1.404	35.66

各型工業應用連接器系列

機箱背板連接器

美規NEMA電源連接器

軍規圓型連接器

單極大電流電源連接器

直流電源連接器

歐規CEE電源連接器

WA塑膠圓型連接器

電路旋轉連接器

電路接線端子台