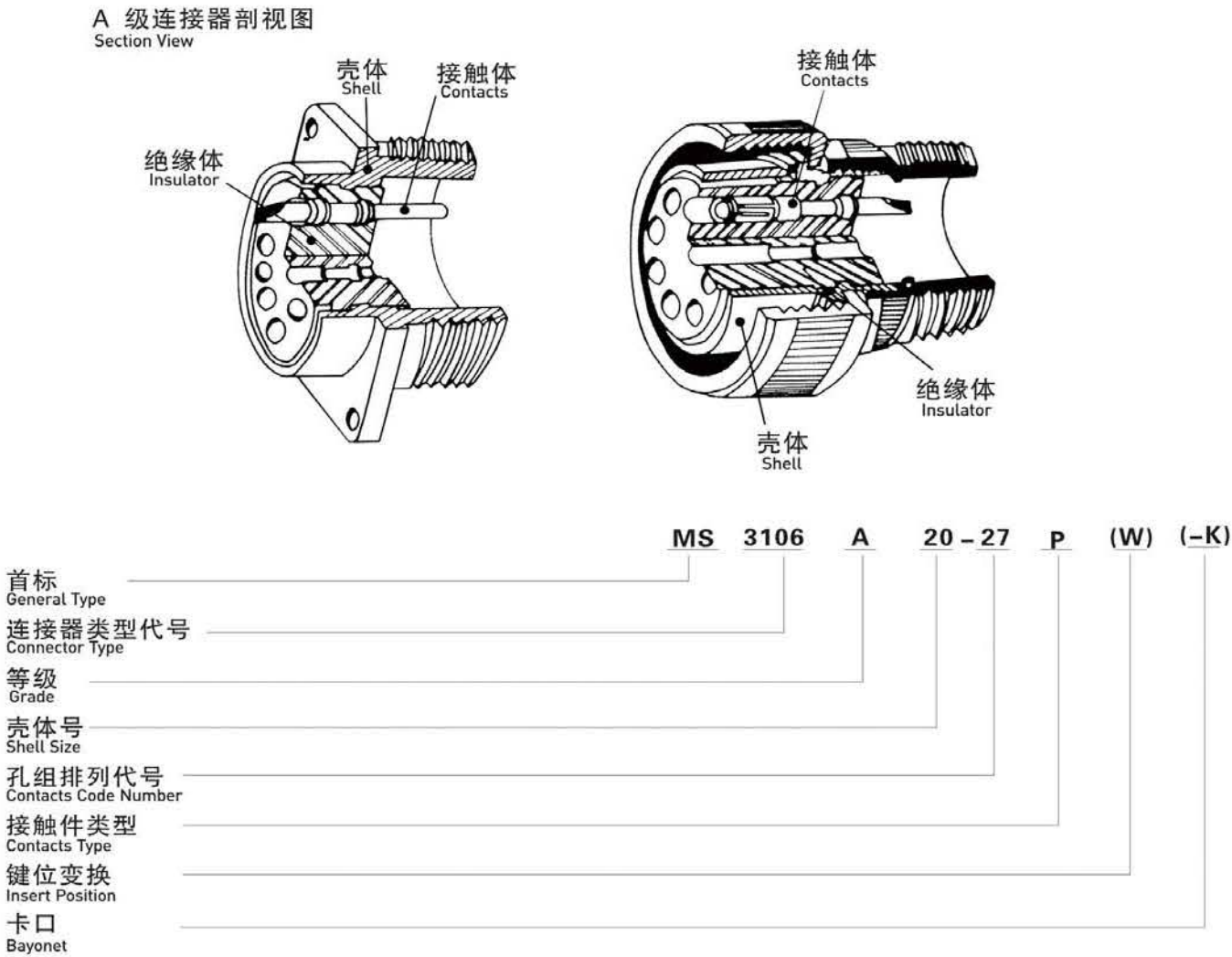


MS5015 标记说明 MS 5015 Overview



- 首标：MS表示5015标准电连接器
General Type: MS represents 5015 Series Standard Connector
- 连接器类型代号：
Connector Type:
 - 3100-墙式方盘安装插座
3100-Wall Mountain Receptacle
 - 3101-中继插座
3101-Cable Connecting Receptacle
 - 3102-盒式方盘安装插座
3102-Box Mountain Receptacle
 - 3106-直式插头
3106-Straight Plug
 - 3108-90° 弯式插头
3108-90° -angle Plug
- 壳体号：8,10,12,14,16,18,20,22,24,28,32,36,40,44,48
Shell Size: 8,10,12,14,16,18,20,22,24,28,32,36,40,44,48
- 接触体类型：
Contact Type
 - P-插针 S-插孔
P-Male S-Female
- 键位变换：
Alternate Insert Position
 - W, X, Y和Z键位
W, X, Y and Z Position (with mark)
 - N正常键位 (不标记)
N Normal Position (without mark)
- 卡口：
Bayonet
 - 带K: 卡口连接
With K: Bayonet Coupling
 - 不带K: 螺纹连接
Without K: Threaded Coupling

组合指南 Matching Guide



材料及表面处理 Materials and Surface Finish

	材 料 Material	表面处理 Surface Finish
壳 体 Shell	铝合金 Aluminum Alloy	镀军绿色镉或镀锌钝化 Army Green (cadmium plate or galvanization passivation)
绝缘体 Insulator	PPS 塑料 硅橡胶 PPS Plastic and Silicon Rubber	
接触体 Contacts	铜合金 Copper Alloy	镀金、镀银 Gold or Silver Plate

技术性能 Technical Parameters

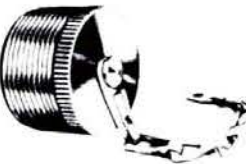
绝缘电阻 Insulation Resistance	≥5000MΩ (常温) 25℃
环境温度 Ambient Temperature	-55℃~125℃
寿命 Service Life	≥500次插拔 ≥500 Insertation and Extraction
介质耐压 Dielectric Strength	2KV
工作电压 Working Voltage	交流500V 直流700V AC500V DC700V

接触体插拔力(kg) Contact Insertation & Extraction Force			
接触体代号 Contacts Number	最大 Maximum	平均 Average	最小 Minimum
16"	1.36	0.96	0.11
12"	2.26	1.58	0.22
8"	4.53	3.17	0.34
4"	6.80	4.76	0.45
0"	9.97	6.35	0.90


接触体号 Contact Number		针接触 体直径 (mm) Contact Diameter (mm)	额定 电流 (A) Rated Current (A)	接触电阻 Contact Resistance		导线规格 Lead Wire Size		
代号 Number	焊杯孔直径(mm) Welding Diameter (mm)			试验电流(A) Test Current (A)	允许压降(mv) Permitted Pressure Drop (mv)	A. W. G	线平方数(mm²) Lead Wire Size mm²	外径(mm) External Diameter (mm)
16"	Φ1.7	Φ1.6	13	20	21	22"~16"	≤1.3	Φ1.7~3.3
12"	Φ2.8	Φ2.4	23	35	20	14"~12"	≤3.5	Φ2.9~4.3
8"	Φ5.3	Φ3.6	46	60	12	10"~8"	≤8.0	Φ4.2~6.4
4"	Φ8	Φ5.7	80	110	10	6"~4"	≤22.0	Φ7.0~9.4
0"	Φ11.8	Φ9.1	150	200	10	2"~0"	≤50.0	Φ10.6~14.0

5105附件 5015 Accessories

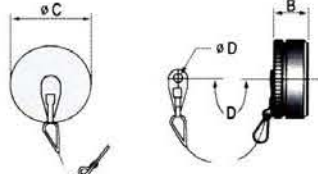
MS5015 金属保护盖
MS5015 Metal Protective Cap



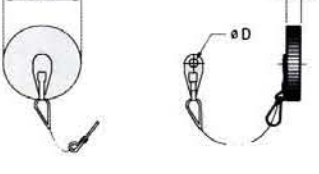
MS 25042—
适应3106、3108插头
MS 25042—
Fit for3106、3108Plugs



MS 25043 金属保护盖
适应3100、3101、3102插座座
MS 25043 Metal Protective Cap
Fit for3100、3101、3102Receptacles



MS25042



MS25043

(mm)

保护盖 Protective Cap	MS 25042 插头保护盖 MS 25042 Plug Protective Cap				MS 25043 插座保护盖 MS 25043 Receptacle Protective Cap			
	A 螺纹 (Screw Thread)	B	C	D	A 螺纹 (Screw Thread)	B	C	D
壳体号 Shell Size								
8S	1/2-28 UNEF	16.66	14.27	4.22	1/2-28 UNEF	19.91	17.48	3.81
10S,10SL	5/8-24 UNEF	16.66	17.45	"	5/8-24 UNEF	"	20.70	"
12S,12	3/4-20 UNEF	21.44	20.62	"	3/4-20 UNEF	"	25.40	"
14S,14	7/8-20 UNEF	21.44	23.80	"	7/8-20 UNEF	"	28.58	"
16S,16	1-20 UNEF	21.44	26.97	"	1-20 UNEF	"	30.18	"
18	1 1/8-18 UNEF	"	30.15	"	1 1/8-18 UNEF	"	24.13	"
20	1 1/4-18 UNEF	"	33.32	5.0	1 1/4-18 UNEF	"	27.31	"
22	1 3/8-18 UNEF	"	36.50	"	1 3/8-18 UNEF	"	40.49	"
24	1 1/2-18 UNEF	"	39.67	"	1 1/2-18 UNEF	"	43.66	4.58
28	1 3/4-18 UNEF	"	46.02	"	1 3/4-18 UNEF	13.49	50.01	4.58
32	2-18 UNEF	"	52.37	5.79	2-18 UNEF	"	56.36	5.0
36	2 1/4-16 UNEF	"	58.72	"	2 1/4-16 UNEF	"	62.71	5.0
40	2 1/2-16 UNEF	"	65.07	"	2 1/2-16 UNEF	"	69.06	5.0
44	2 3/4-16 UNEF	"	71.42	"	2 3/4-16 UNEF	"	75.41	5.0
48	3-16 UNEF	"	77.77	"	3-16 UNEF	"	80.98	5.0

MS3057 线夹
MS3057 Cable Clamp



壳体号 Shell Size	部件号 Part Number	配套绝缘套管 Matching Rubber Bushing	螺纹 Screw Thread	线缆最大外径 Max External Wire Size
10SL	MS3057-4A	MS3420-4	5/8-24UNF-2B	7.92
12S	MS3057-4A	MS3420-4	5/8-24UNF-2B	7.92
14S	MS3057-6A	MS3420-6	3/4-20UNF-2B	11.13
16S	MS3057-8A	MS3420-8	7/8-20UNF-2B	14.27
16	MS3057-8A	MS3420-8	7/8-20UNF-2B	14.27
18	MS3057-10A	MS3420-10	1-20UNF-2B	15.88
20	MS3057-12A	MS3420-12	1 1/16-18UNF-2B	19.05
22	MS3057-12A	MS3420-12	1 1/16-18UNF-2B	19.05
24	MS3057-16A	MS3420-16,-12	1 7/16-18UNF-2B	23.83
28	MS3057-16A	MS3420-16,-12	1 7/16-18UNF-2B	23.83
32	MS3057-20A	MS3420-20,-16	1 3/4-18UNF-2B	31.75
36	MS3057-24A	MS3420-24,-20	2-18UNF-2B	34.92
40	MS3057-28A	MS3420-28,-24,-20	2 1/4-18UNF-2B	42.28

MS3420 绝缘套管
MS3420 Rubber Bushing



(mm)

壳体号 Shell Size	1级绝缘套管 Part Number	内径 Inner Diameter	乙级套管 Part Number	内径 Inner Diameter	适用线夹 Matching Cable Clamp
10SL	MS3420-4	5.59	/	-	MS3057-4A
12S	MS3420-4	5.59	/	-	MS3057-4A
14S	MS3420-6	7.92	/	-	MS3057-6A
16S	MS3420-8	11.10	/	-	MS3057-8A
16	MS3420-8	11.10	/	-	MS3057-8A
18	MS3420-10	14.30	/	-	MS3057-10A
20	MS3420-12	15.90	/	-	MS3057-12A
22	MS3420-12	15.90	/	-	MS3057-12A
24	MS3420-16	19.05	MS3420-12	15.9	MS3057-16A
28	MS3420-16	19.05	MS3420-12	15.9	MS3057-16A
32	MS3420-20	23.80	MS3420-16	19.05	MS3057-20A
36	MS3420-24	31.75	MS3420-20	23.80	MS3057-24A
40	MS3420-28	34.92	MS3420-24	31.75	MS3057-28A

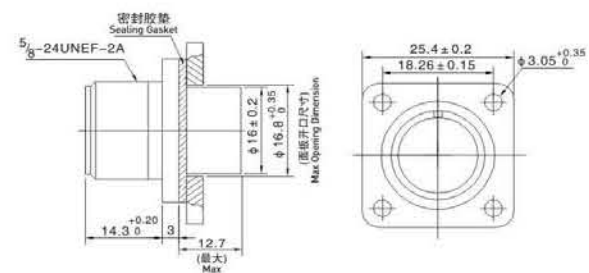
MS5015 10S



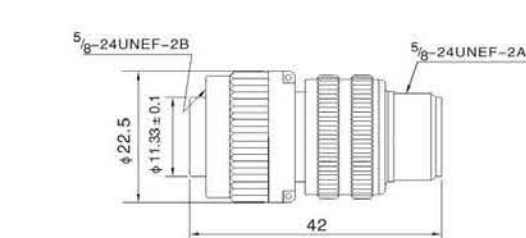
MS5015 12S



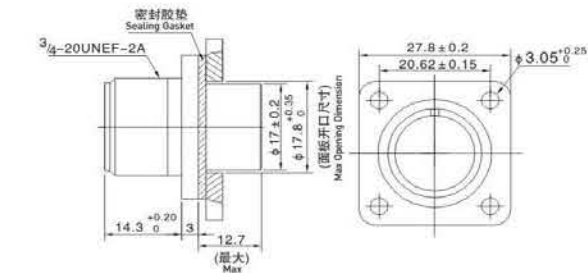
MS3102 盒式方盘安装插座
MS3102 Box Mounting Receptacle



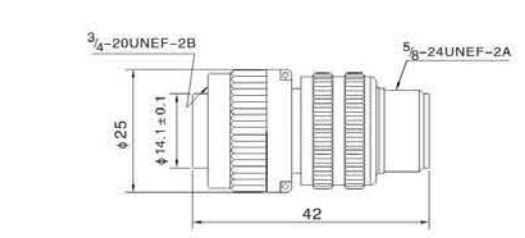
MS3106A 直式插头
MS3106A Straight Plug



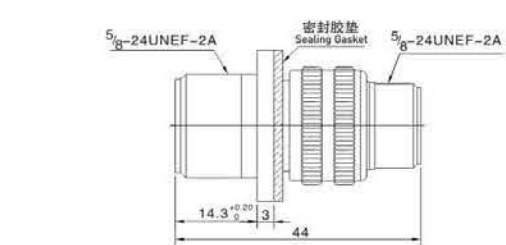
MS3102 盒式方盘安装插座
MS3102 Box Mounting Receptacle



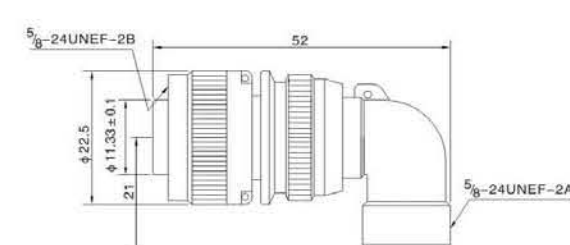
MS3106A 直式插头
MS3106A Straight Plug



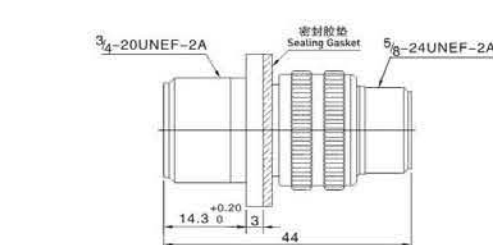
MS3100A 墙式方盘安装插座
MS3100A Wall Mounting Receptacle



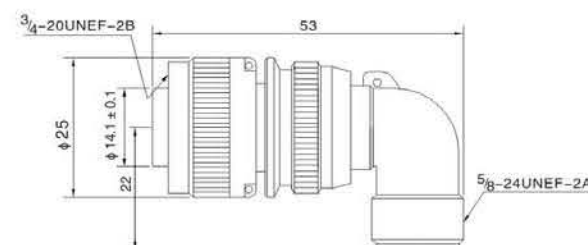
MS3108A 90°弯式插头
MS3108A 90°-angle Plug



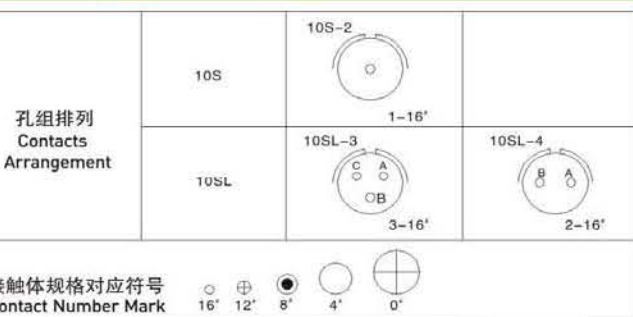
MS3100A 墙式方盘安装插座
MS3100A Wall Mounting Receptacle



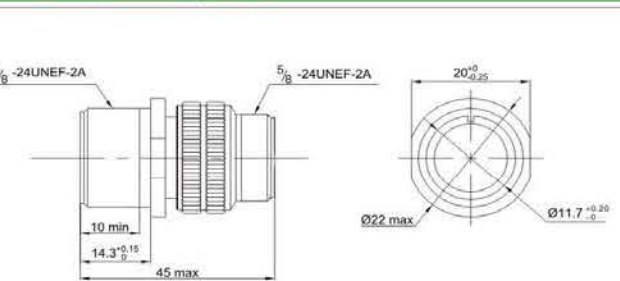
MS3108A 90°弯式插头
MS3108A 90°-angle Plug



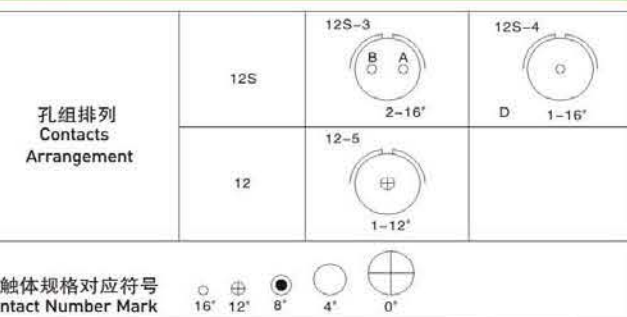
孔组排列 从插针方向看
Contacts Arrangement from Male Side



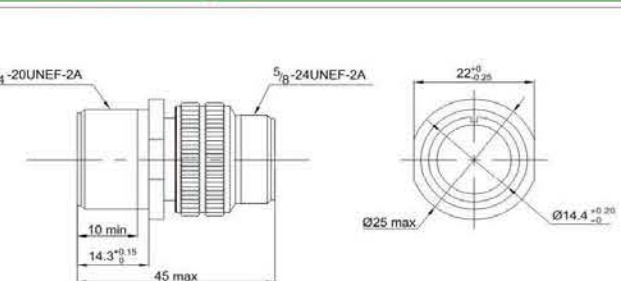
MS3101 中继插座
MS3101 Cable Connecting Socket



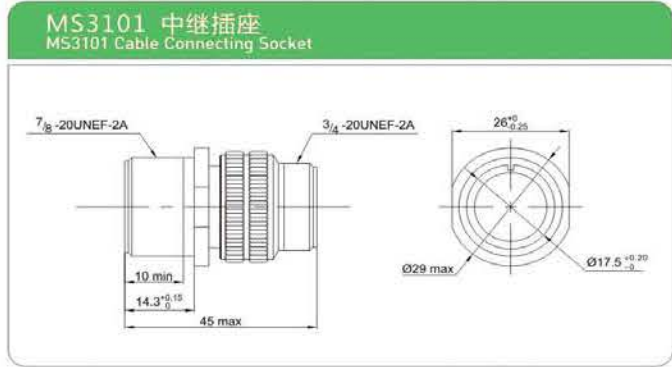
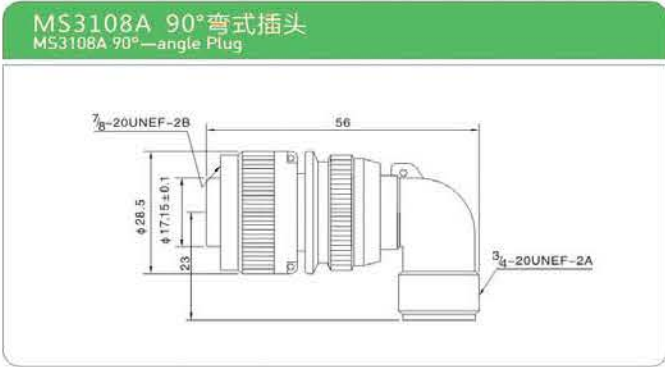
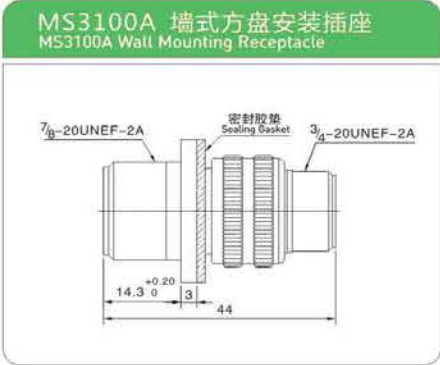
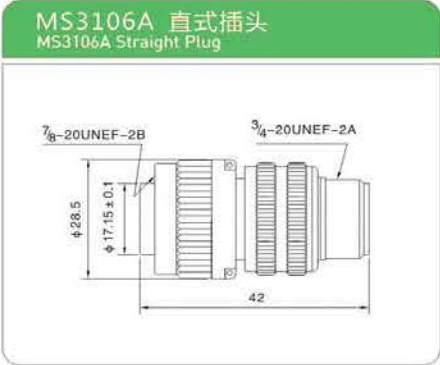
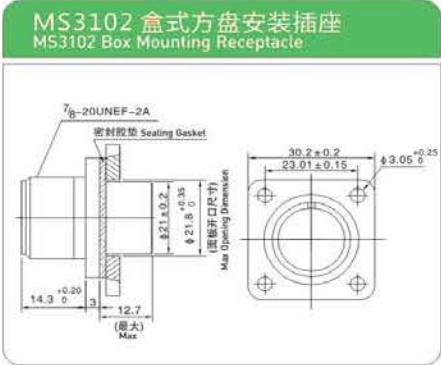
孔组排列 从插针方向看
Contacts Arrangement from Male Side



MS3101 中继插座
MS3101 Cable Connecting Socket



MS5015 14S



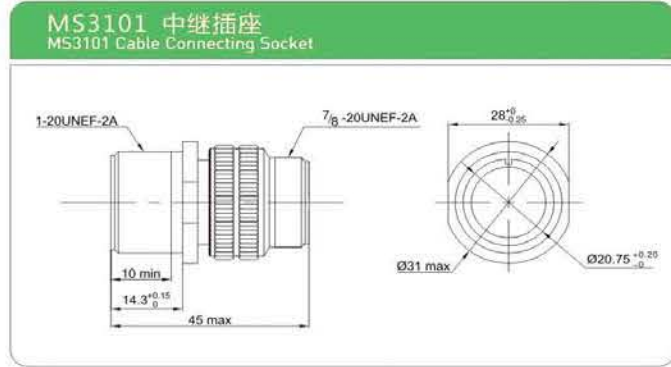
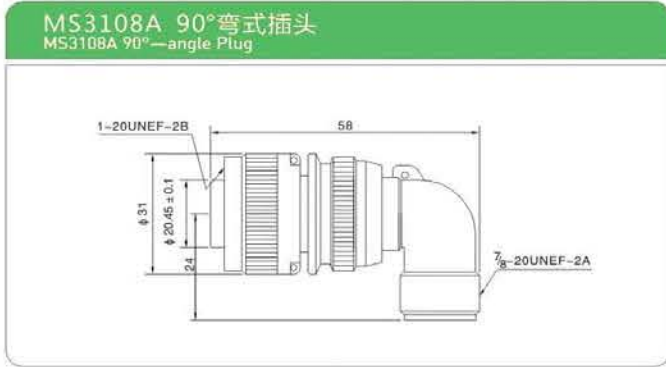
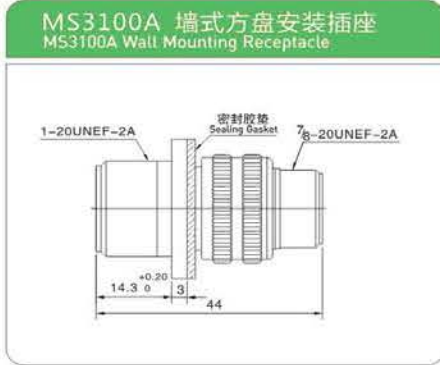
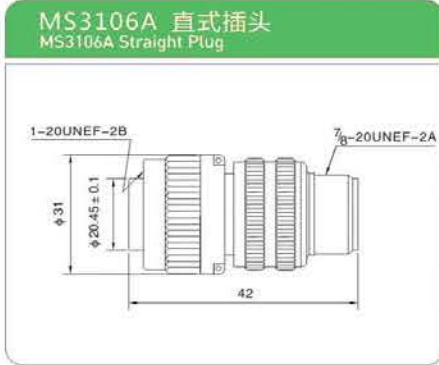
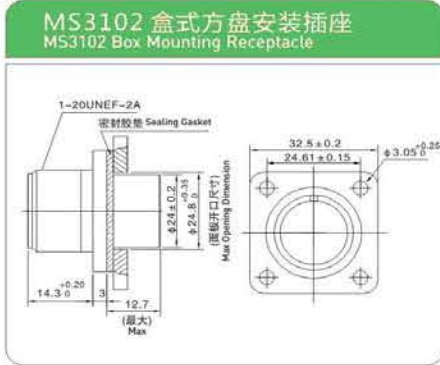
孔组排列 从插针方向看
Contacts Arrangement from Male Side

孔组排列 Contacts Arrangement	14S					
	14					

接触体规格对应符号
Contact Number Mark

16' 12' 8' 4' 0'

MS5015 16S



孔组排列 从插针方向看
Contacts Arrangement from Male Side

孔组排列 Contacts Arrangement	16S						
	16						

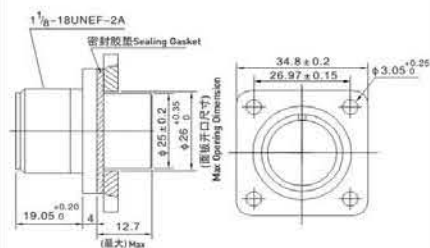
接触体规格对应符号
Contact Number Mark

16' 12' 8' 4' 0'

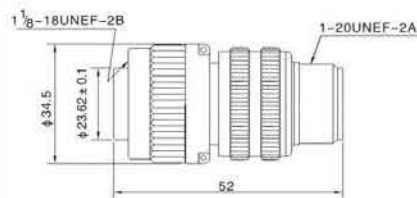
MS5015 18



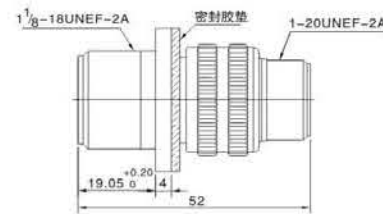
MS3102 盒式方盘安装插座
MS3102 Box Mounting Receptacle



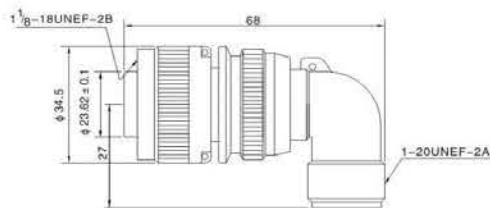
MS3106A 直式插头
MS3106A Straight Plug



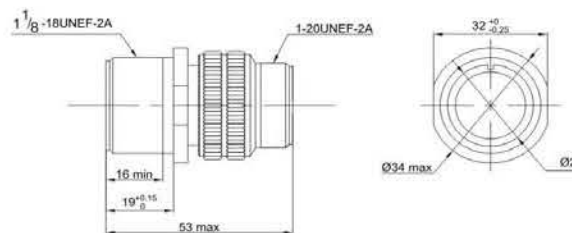
MS3100A 墙式方盘安装插座
MS3100A Wall Mounting Receptacle



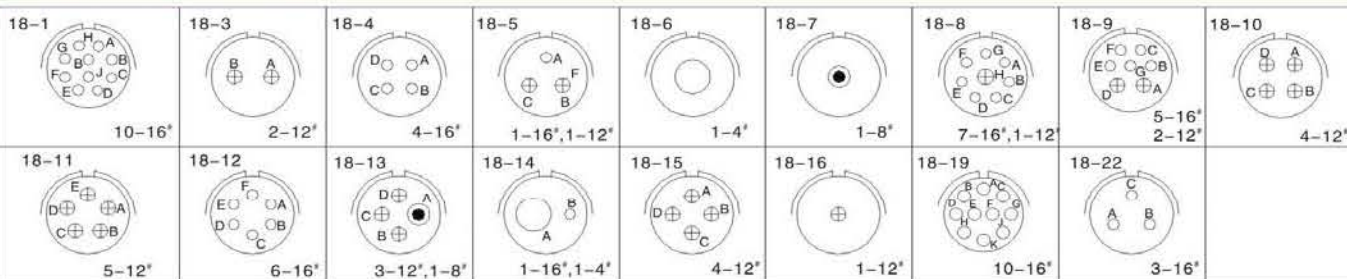
MS3108A 90°弯式插头
MS3108A 90°-angle Plug



MS3101 中继插座
MS3101 Cable Connecting Socket



孔组排列 从插针方向看
Contacts Arrangement from Male Side

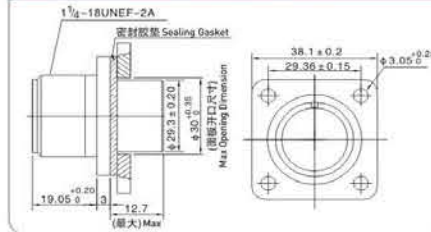


接触体规格对应符号
Contact Number Mark

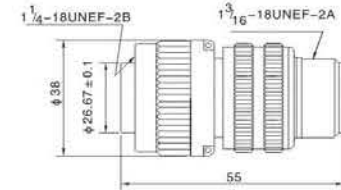
MS5015 20



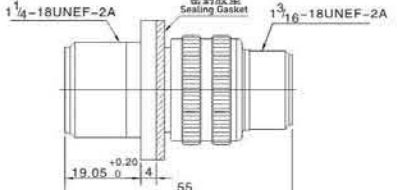
MS3102 盒式方盘安装插座
MS3102 Box Mounting Receptacle



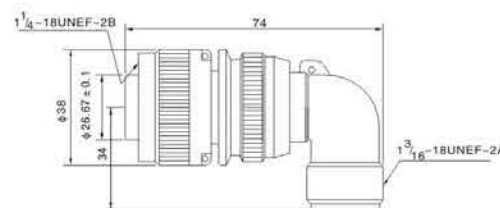
MS3106A 直式插头
MS3106A Straight Plug



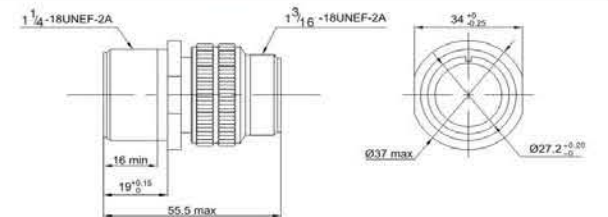
MS3100A 墙式方盘安装插座
MS3100A Wall Mounting Receptacle



MS3108A 90°弯式插头
MS3108A 90°-angle Plug

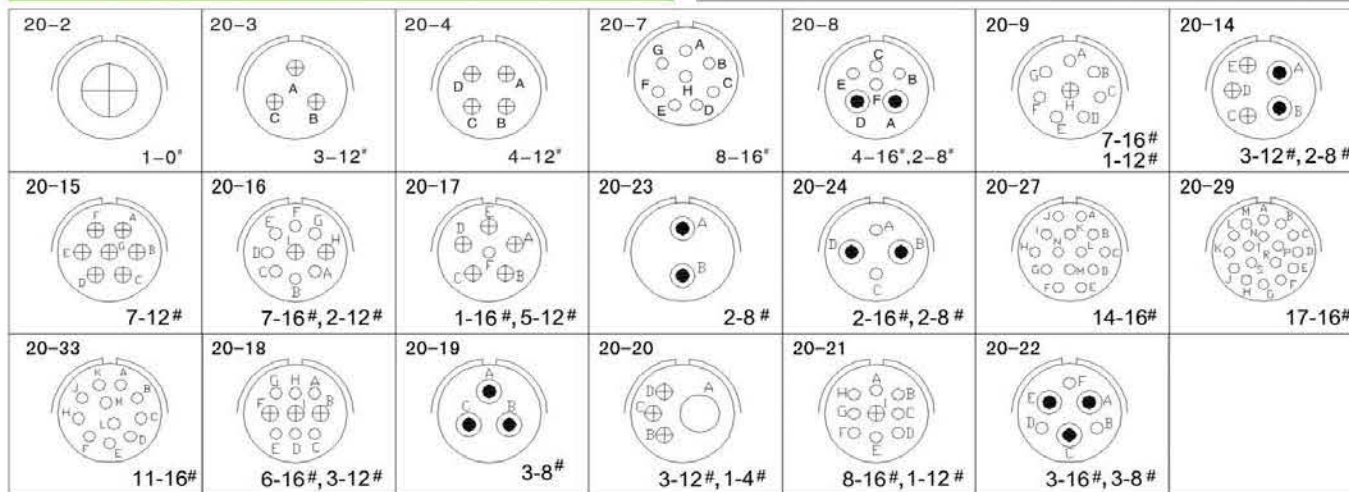


MS3101 中继插座
MS3101 Cable Connecting Socket



孔组排列 从插针方向看
Contacts Arrangement from Male Side

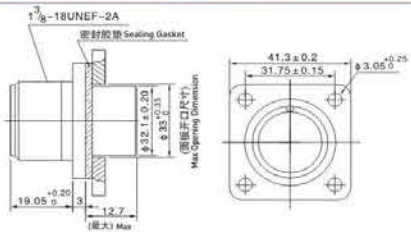
接触体规格对应符号
Contact Number Mark



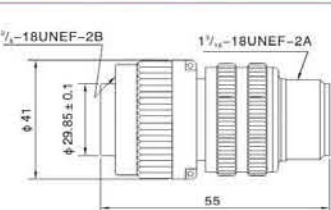
MS5015 22



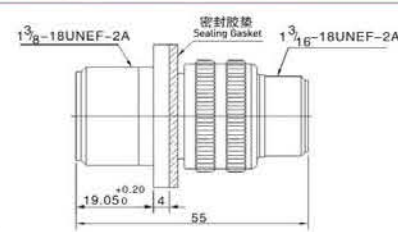
MS3102 盒式方盘安装插座
MS3102 Box Mounting Receptacle



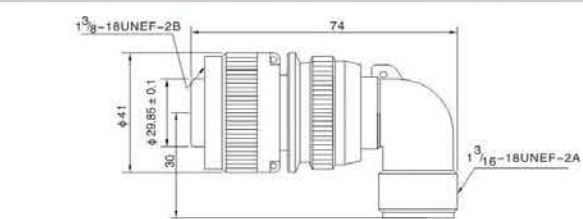
MS3106A 直式插头
MS3106A Straight Plug



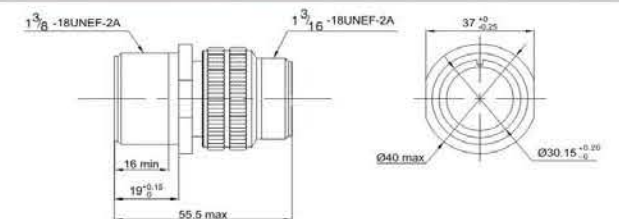
MS3100A 墙式方盘安装插座
MS3100A Wall Mounting Receptacle



MS3108A 90°弯式插头
MS3108A 90°—angle Plug



MS3101 中继插座
MS3101 Cable Connecting Receptacle



孔组排列 从插针方向看
Contacts Arrangement from Male Side

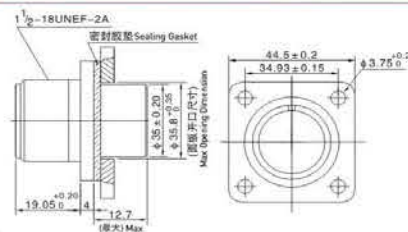
<p>22-2</p> <p>3-8#</p>	<p>22-4</p> <p>4-16#</p>	<p>22-5</p> <p>4-16#, 2-12#</p>	<p>22-6</p> <p>1-16#, 2-8#</p>	<p>22-7</p> <p>1-0#</p>	<p>22-9</p> <p>3-12#</p>	<p>22-10</p> <p>4-16#</p>	<p>22-11</p> <p>2-16#</p>
<p>22-12</p> <p>3-16#, 2-8#</p>	<p>22-13</p> <p>5-12#</p>	<p>22-14</p> <p>19-16#</p>	<p>22-15</p> <p>1-16# 5-12#</p>	<p>22-17</p> <p>8-16# 1-12#</p>	<p>22-18</p> <p>8-16#</p>	<p>22-19</p> <p>14-16#</p>	<p>22-20</p> <p>9-16#</p>
<p>22-21</p> <p>2-16#, 1-0#</p>	<p>22-22</p> <p>4-8#</p>	<p>22-23</p> <p>8-12#</p>	<p>22-27</p> <p>8-16# 1-8#</p>	<p>22-28</p> <p>7-12#</p>	<p>22-36</p> <p>8-12#</p>	<p>22-37</p> <p>16-16#</p>	

接触体规格对应符号
Contact Number Mark

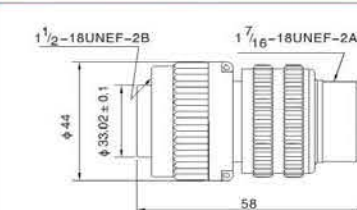
MS5015 24



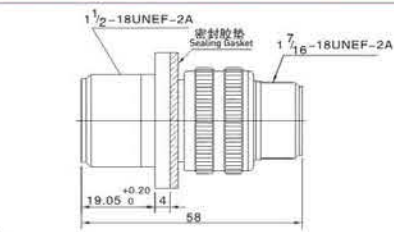
MS3102 盒式方盘安裝插座
MS3102 Box Mounting Receptacle



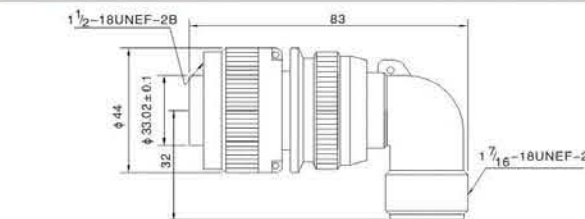
MS3106A 直式插头
MS3106A Straight Plug



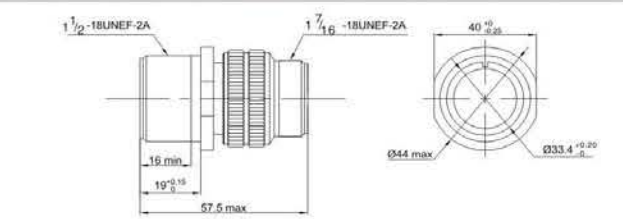
MS3100A 牆式方盤安裝插座
MS3100A Wall Mounting Receptacle



MS3108A 90°弯式插头
MS3108A 90°—angle Plug



MS3101 中继插座
MS3101 Cable Connecting Socket



孔组排列 从插针方向看
Contacts Arrangement from Male Side

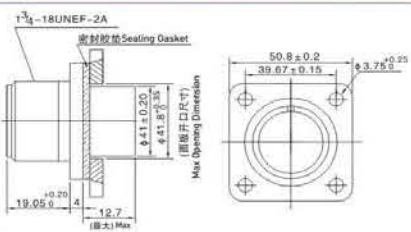
<p>24-2</p> <p>7-12#</p>	<p>24-4</p> <p>3-16#, 1-0#</p>	<p>24-5</p> <p>16-16#</p>	<p>24-6</p> <p>8-12#</p>	<p>24-7</p> <p>14-16#, 2-12#</p>	<p>24-10</p> <p>7-8#</p>	<p>24-11</p> <p>6-12#, 3-8#</p>	<p>24-12</p> <p>3-12#, 2-4#</p>
<p>24-16</p> <p>3-16# 3-12# 1-8#</p>	<p>24-20</p> <p>9-16#, 2-12#</p>	<p>24-21</p> <p>9-16#, 1-8#</p>	<p>24-22</p> <p>4-8#</p>	<p>24-27</p> <p>7-16#</p>	<p>24-28</p> <p>24-16#</p>	<p>24-80</p> <p>23-16#</p>	

接触体规格对应符号
Contact Number Mark

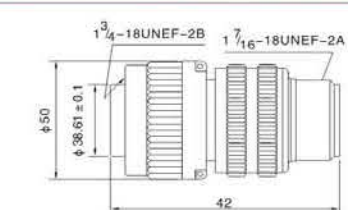
MS5015 28



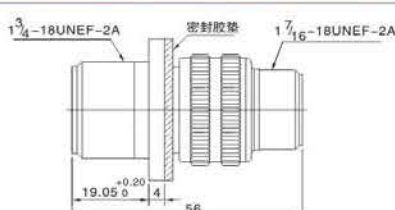
MS3102 盒式方盘安装插座
MS3102 Box Mounting Receptacle



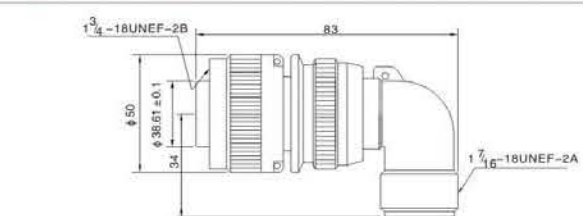
MS3106A 直式插头
MS3106A Straight Plug



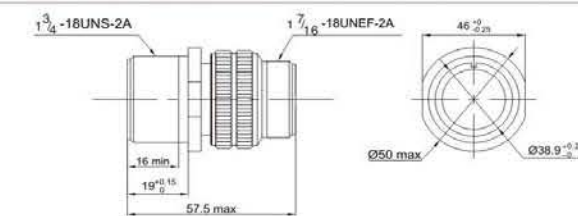
MS3100A 牆式方盤安裝插座
MS3100A Wall Mounting Receptacle



MS3108A 90°弯式插头
MS3108A 90°—angle Plug

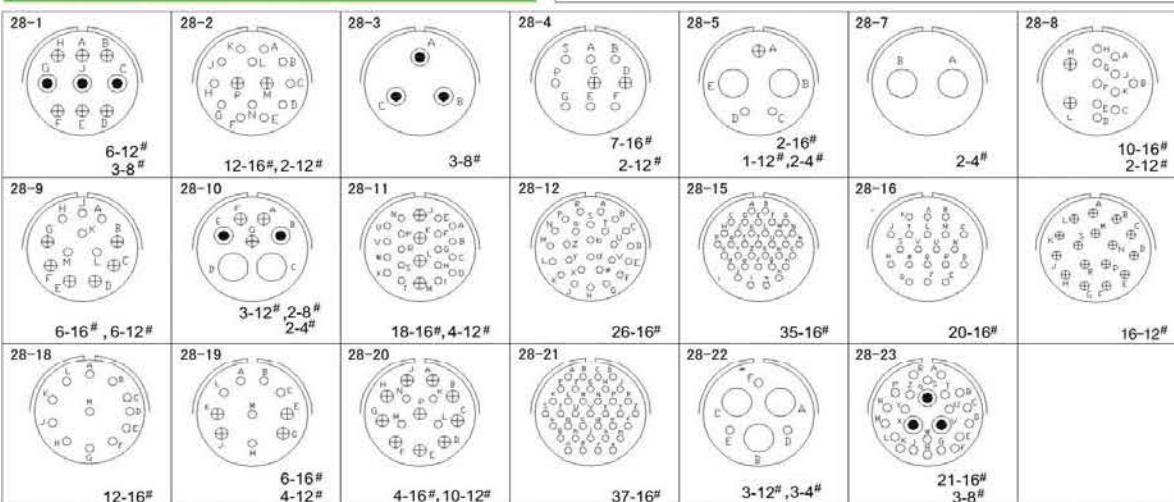


MS3101 中继插座
MS3101 Cable Connecting Socket



孔组排列 从插针方向看
Contacts Arrangement from Male Side

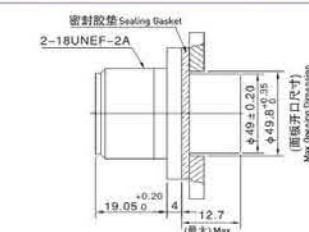
接触体规格对应符号
Contact Number Mark



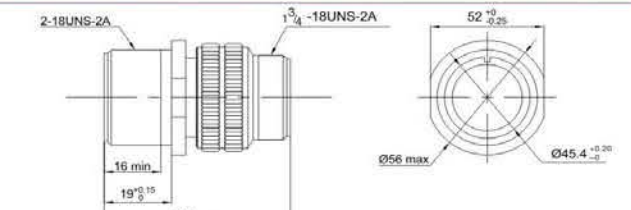
MS5015 32



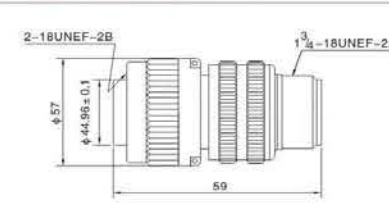
MS3102 盒式方盘安装插座
MS3102 Box Mounting Receptacle



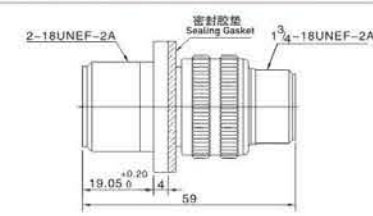
MS3101 中继插座
MS3101 Cable Connecting Socket



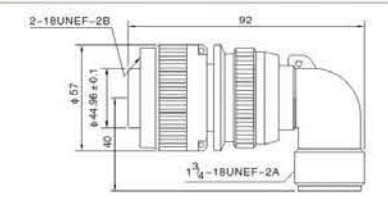
MS3106A 直式插头
MS3106A Straight Plug



MS3100A 墙式方盘安装插座
MS3100A Wall Mounting Receptacle

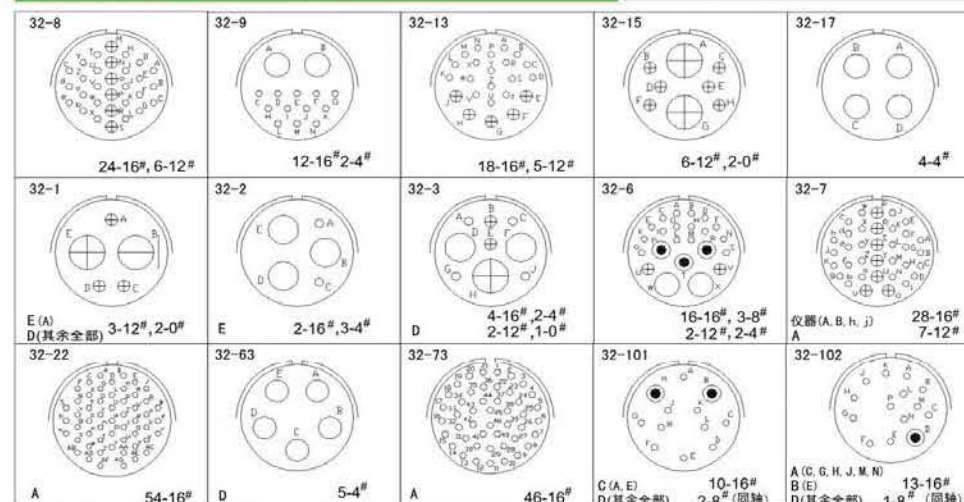


MS3108A 90°弯式插头
MS3108A 90°—angle Plug



孔组排列 从插针方向看
Contacts Arrangement from Male Side

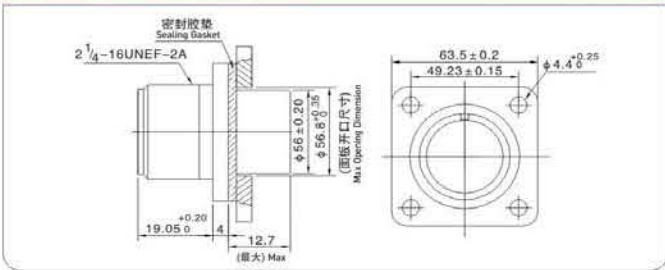
接触体规格对应符号
Contact Number Mark



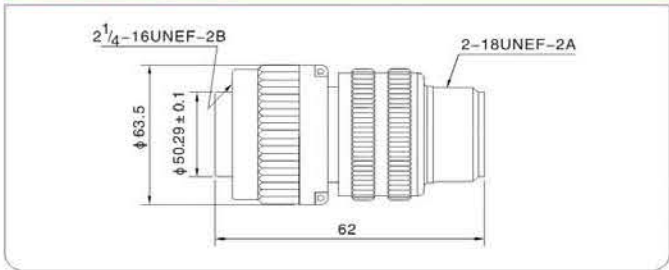
MS5015 36



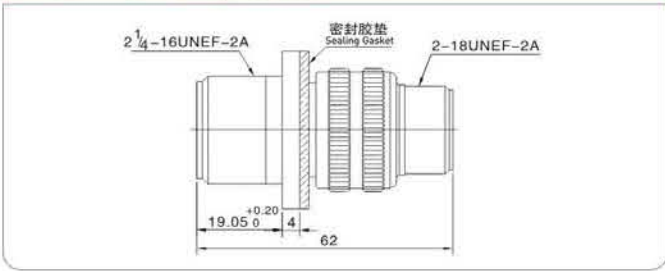
MS3102 盒式方盘安装插座
MS3102 Box Mounting Receptacle



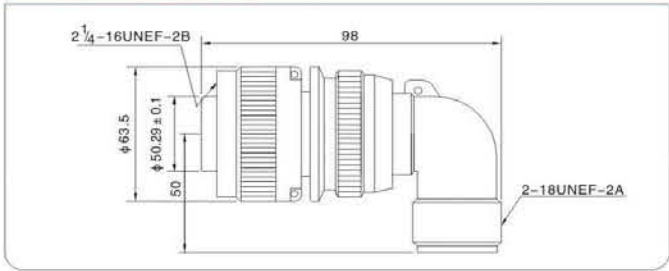
MS3106A 直式插头
MS3106A Straight Plug



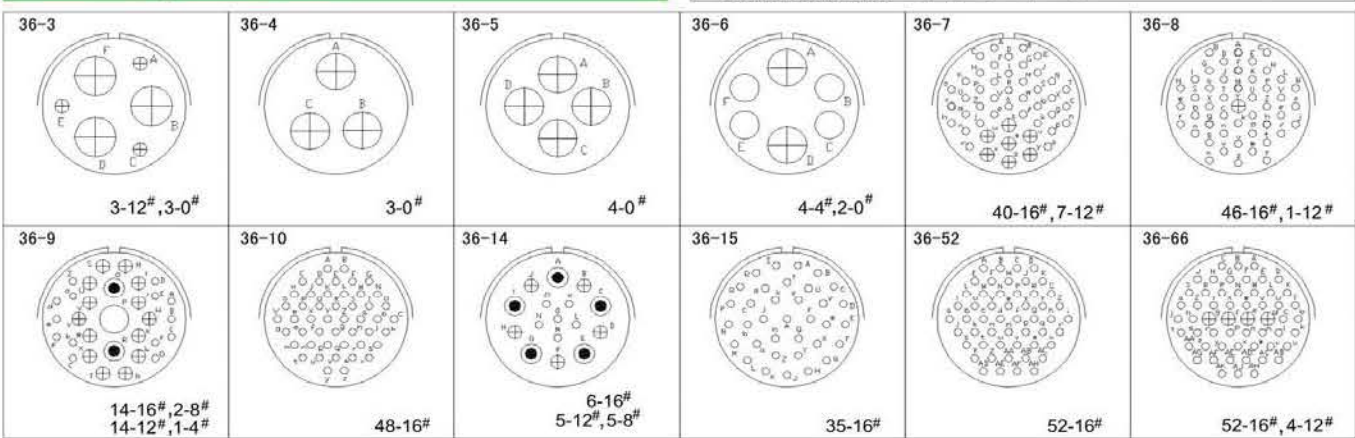
MS3100A 墙式方盘安装插座
MS3100A Wall Mounting Receptacle



MS3108A 90°弯式插头
MS3108A 90°-angle Plug



孔组排列 从插针方向看
Contacts Arrangement from Male Side



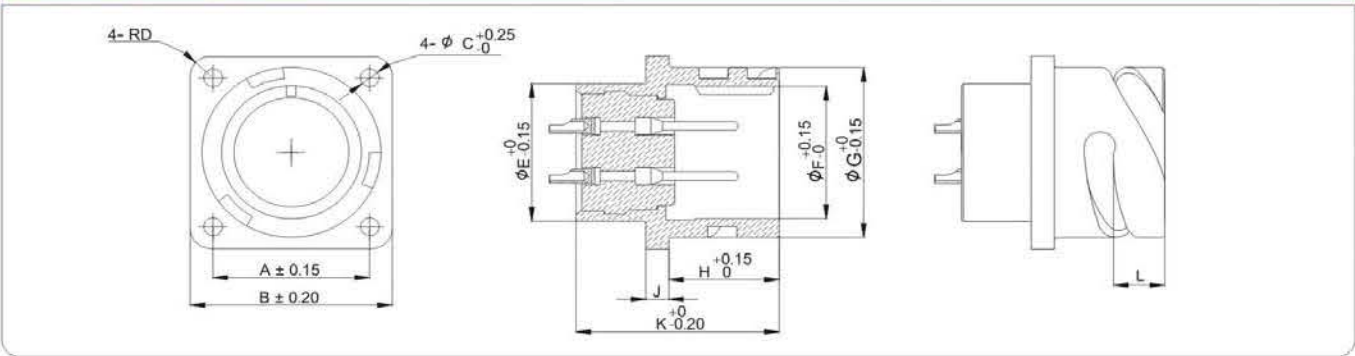
接触体规格对应符号
Contact Number Mark



5015 3102卡口方座系列 MS3102 Box Mounting Receptacle



5015 3102卡口方座图纸
MS3102 Box Mounting Receptacle

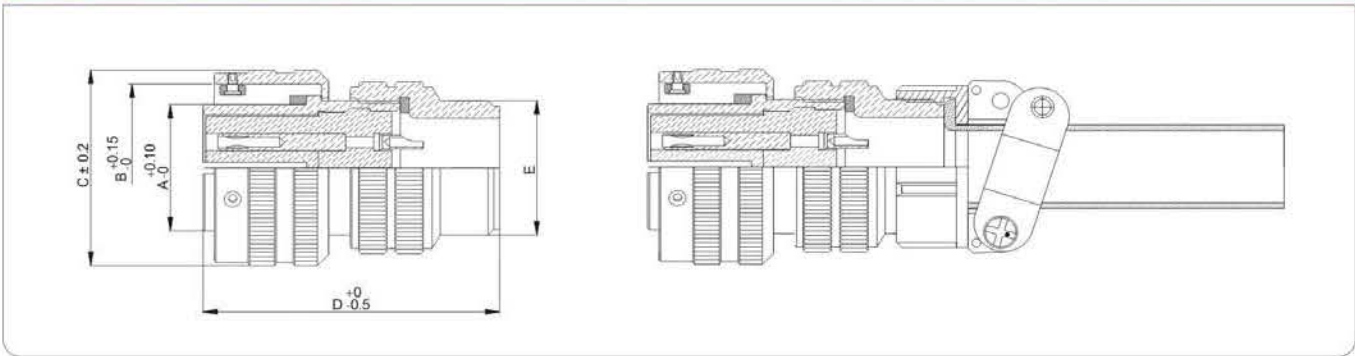


壳体号 Shell Size	A	B	C	D	E	F	G	H	J	K	L
10SL	18.26	25.4	3.2	R3.5	15.9	11.7	18.1	14.3	3	29.3	6.5
12S	20.62	27.79	3.2	R3.5	16.9	14.4	21.4	14.3	3	29.3	6.5
14S	23.01	30.18	3.2	R3.5	20.9	17.5	24.6	14.3	3	29.3	6.5
16S	24.61	32.54	3.2	R3.5	24	20.75	27.3	14.3	3	29.3	6.5
18	27	34.8	3.2	R3.5	25	24	30.8	19	4	35.1	8.8
20	29.35	38.1	3.2	R4	29.6	27.2	34.2	19	4	35.1	8.8
22	31.75	41.28	3.2	R4	32	30.15	37.4	19	4	35.1	8.8
24	34.9	44.5	3.7	R4	37	33.4	40.9	19	4	35.1	8.8
28	39.67	50.8	3.7	R5	43	38.9	46.7	19	4	35.1	8.8

5015 3106 卡口直头系列 5015 Bayonet Straight Plug



5015 3106 卡口直头图纸
5015 Bayonet Straight Plug Illustration

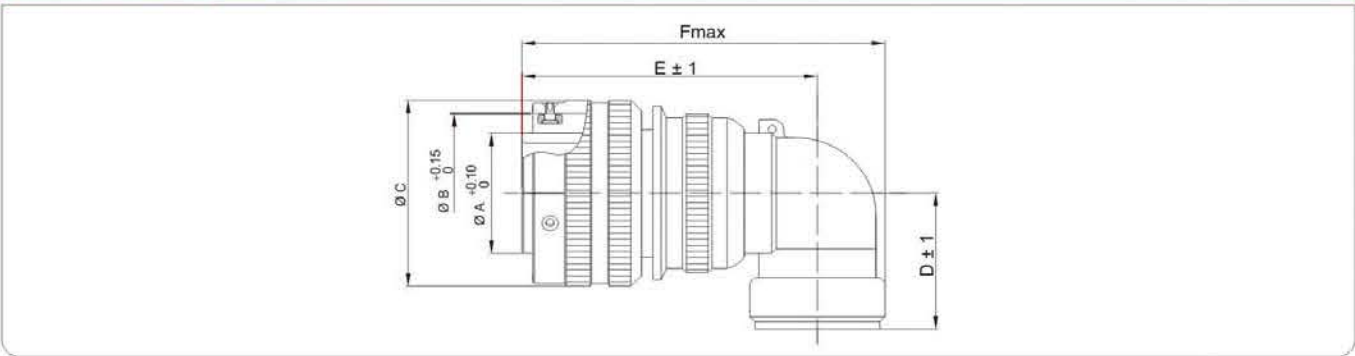


壳体号 Shell Size	A	B	C	D	E 螺纹 E Screw Thread
10SL	11.4	18.6	22.5	42	0.625-24UNEF-2A
12S	14	21.8	26	42	0.625-24UNEF-2A
14S	17.1	25	29.2	42	0.75-20UNEF-2A
16S	20.35	28.3	33.5	42	0.875-20UNEF-2A
18	23.5	31.2	36.4	52.5	1-20UNEF-2A
20	26.5	34.7	39.9	55.5	1.1875-18UNEF-2A
22	29.6	37.8	43	55.5	1.1875-18UNEF-2A
24	33	41.4	46.6	57.5	1.4375-18UNEF-2A
28	38.5	47.2	52.4	55.5	1.4375-18UNEF-2A

5015 3108卡口弯头系列 5015 Bayonet 90°-Angle Plug



5015 3108卡口弯头图纸
5015 Bayonet 90°-Angle Plug Illustration



壳体号 Shell Size	A	B	C	D	E	F	H 螺纹 H Screw Thread
10SL	11.4	18.6	22.5	21	44	52	0.625-24UNEF-2A
12S	14	21.8	26	22	45	53	0.625-24UNEF-2A
14S	17.1	25	29.2	23	46	56	0.75-20UNEF-2A
16S	20.35	28.3	33.5	24	47	58	0.875-20UNEF-2A
18	23.5	31.2	36.4	27	55	68	1-20UNEF-2A
20	26.5	34.7	39.9	34	59	74	1.1875-18UNEF-2A
22	29.6	37.8	43	30	59	74	1.1875-18UNEF-2A
24	33	41.4	46.6	32	65	83	1.4375-18UNEF-2A
28	38.5	47.2	52.4	34	65	83	1.4375-18UNEF-2A