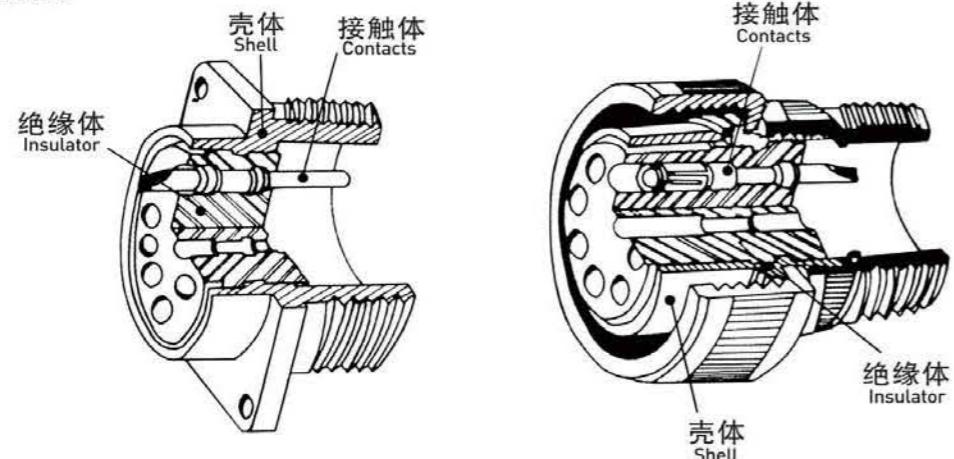


MS5015 标记说明 MS 5015 Overview

A 级连接器剖视图
Section View



MS 3106 A 20-27 P (W) (-K)

首标
General Type
连接器类型代号
Connector Type
等级
Grade
壳体号
Shell Size
孔组排列代号
Contacts Code Number
接触件类型
Contacts Type
键位变换
Insert Position
卡口
Bayonet

• 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 Silicon Rubber	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	$\geq 5000M\Omega$ (常温) 25°C
环境温度 Ambient Temperature	-55°C~125°C
寿命 Service Life	≥ 500 次插拔 ≥ 500 Insertion and Extraction
介质耐压 Dielectric Strength	2KV
工作电压 Working Voltage	交流500V 直流700V AC500V DC700V

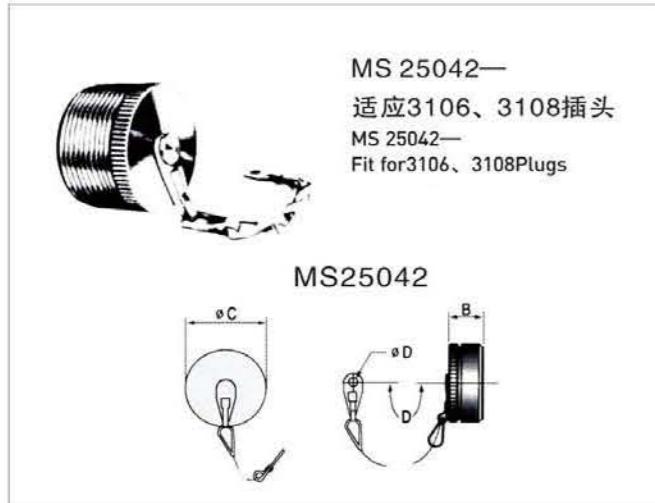
接触体插拔力(kg) Contact Insertion & Extraction Force

接触体代号 Contacts Number	接触体插拔力(kg) Contact Insertion & Extraction Force		
	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 代号 Number	针接触体直径 (mm) 焊杯孔直径 (mm) Welding Diameter (mm)	额定电流 (A) Contact Diameter (mm) Rated Current (A)	接触电阻 Contact Resistance		导线规格 Lead Wire Size A.W.G		
			试验电流 (A) Test Current (A)	允许压降 (mV) Permitted Pressure Drop (mV)	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
12#	Φ2.8	Φ2.4	23	35	20	14#~12#	≤3.5
8#	Φ5.3	Φ3.6	46	60	12	10#~8#	≤8.0
4#	Φ8	Φ5.7	80	110	10	6#~4#	≤22.0
0#	Φ11.8	Φ9.1	150	200	10	2#~0#	≤50.0

5105附件 5015 Accessories

MS5015 金属保护盖 MS5015 Metal Protective Cap



(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
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	配用绝缘套管 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 3/16-18UNF-2B	19.05
22	MS3057-12A	MS3420-12	1 3/16-18UNF-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



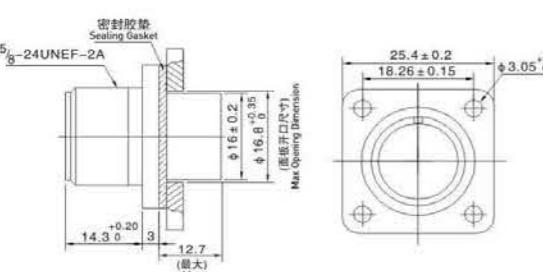
(mm)

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

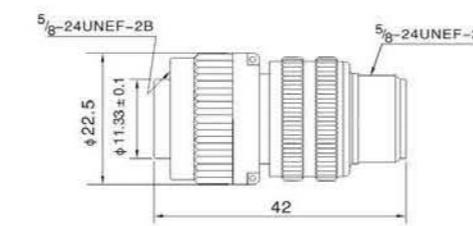
MS5015 10S



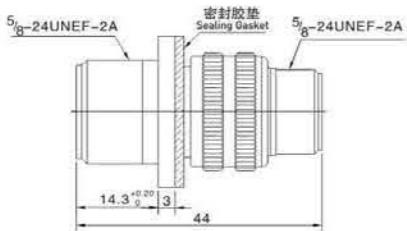
MS3102 盒式方盘安装插座
MS3102 Box Mounting Receptacle



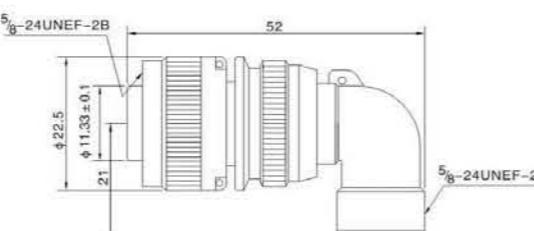
MS3106A 直式插头
MS3106A Straight Plug



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



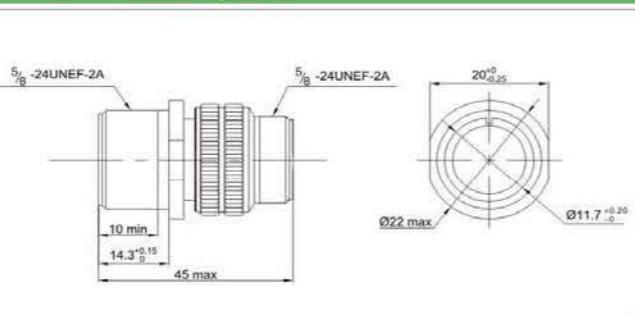
MS3108A 90°弯式插头
MS3108A 90°-angle Plug



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

孔组排列 Contacts Arrangement	10S	10S-2 	
	10SL	10SL-3 	10SL-4
接触体规格对应符号 Contact Number Mark			

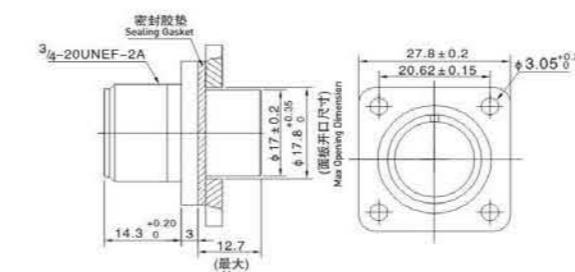
MS3101 中继插座
MS3101 Cable Connecting Socket



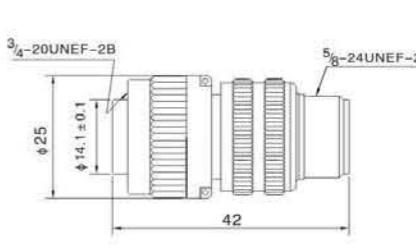
MS5015 12S



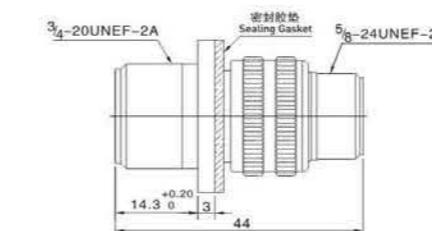
MS3102 盒式方盘安装插座
MS3102 Box Mounting Receptacle



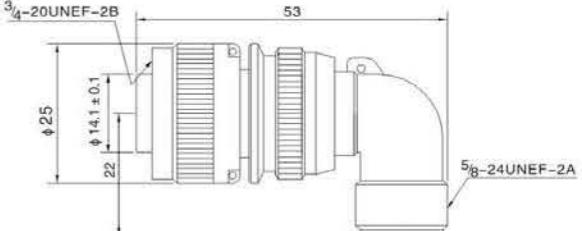
MS3106A 直式插头
MS3106A Straight Plug



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



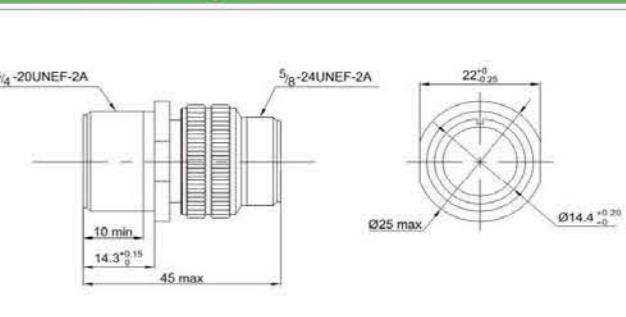
MS3108A 90°弯式插头
MS3108A 90°-angle Plug



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

孔组排列 Contacts Arrangement	12S	12S-3 	12S-4
	12	12-5 	
接触体规格对应符号 Contact Number Mark			

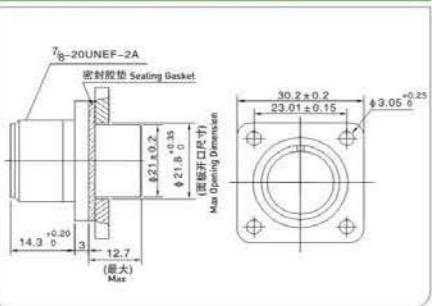
MS3101 中继插座
MS3101 Cable Connecting Socket



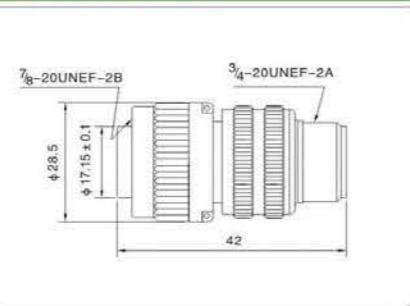
MS5015 14S



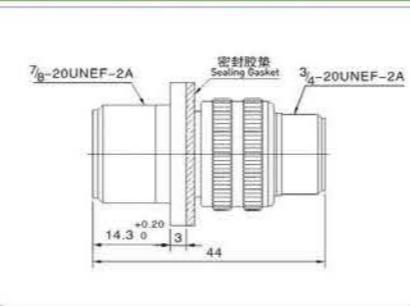
MS3102 盒式方盘安装插座
MS3102 Box Mounting Receptacle



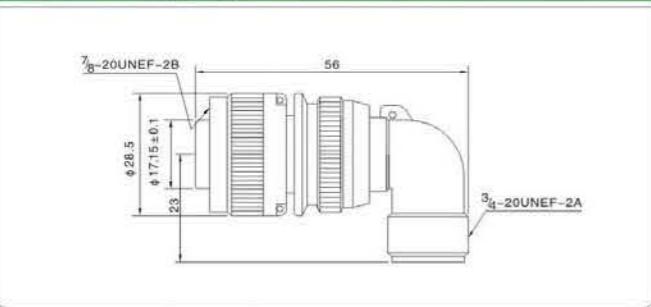
MS3106A 直式插头
MS3106A Straight Plug



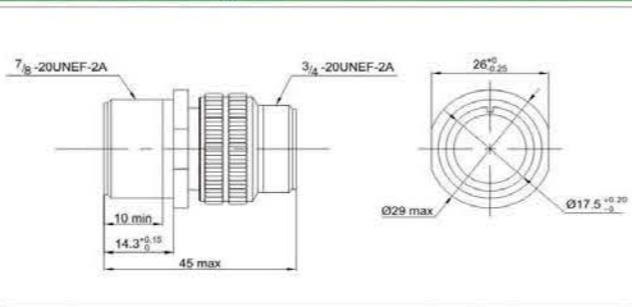
MS3100A 壁式方盘安装插座
MS3100A Wall Mounting Receptacle



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

孔组排列 Contacts Arrangement	14S	14S-2 	14S-5 	14S-6 	14S-7 	14S-9 	7-16'
	14	14-3 					

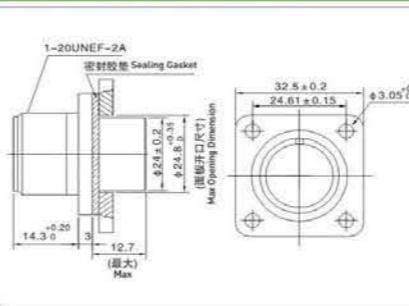
接触体规格对应符号
Contact Number Mark

○ 16° ⊕ 12° ● 8° ⊖ 4° ⊕ 0°

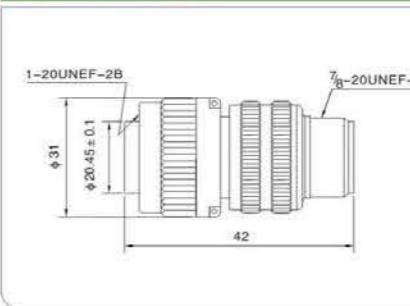
MS5015 16S



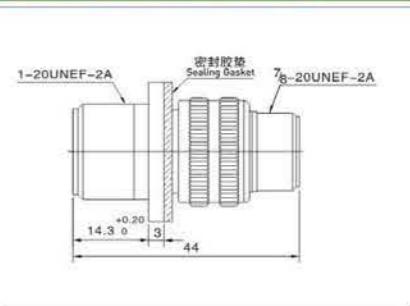
MS3102 盒式方盘安装插座
MS3102 Box Mounting Receptacle



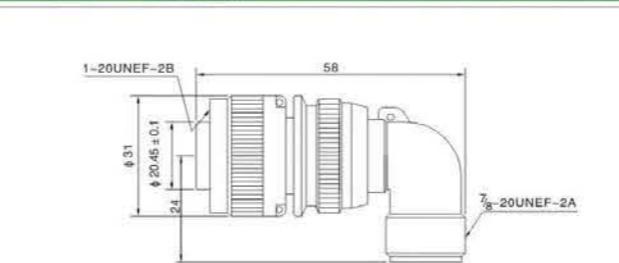
MS3106A 直式插头
MS3106A Straight Plug



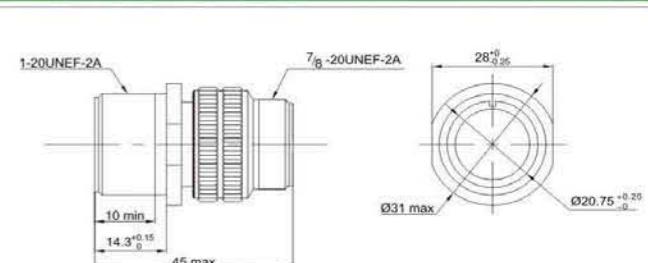
MS3100A 壁式方盘安装插座
MS3100A Wall Mounting Receptacle



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

孔组排列 Contacts Arrangement	16S	16S-1 	16S-3 	16S-4 	16S-5 	16S-6 	16S-8 	
	16	16-2 	16-7 	16-9 	16-10 	16-11 	16-12 	16-13

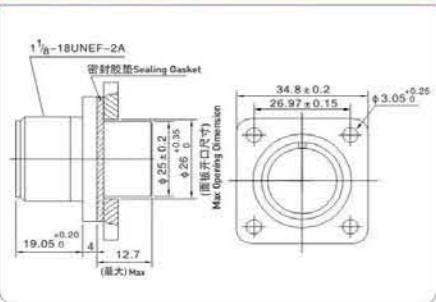
接触体规格对应符号
Contact Number Mark

○ 16° ⊕ 12° ● 8° ⊖ 4° ⊕ 0°

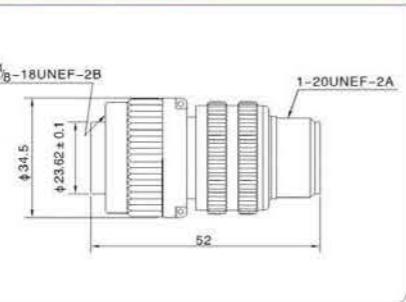
MS5015 18



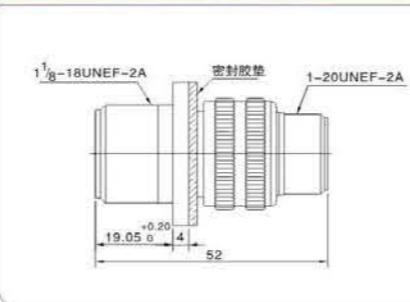
MS3102 盒式方盘安装插座
MS3102 Box Mounting Receptacle



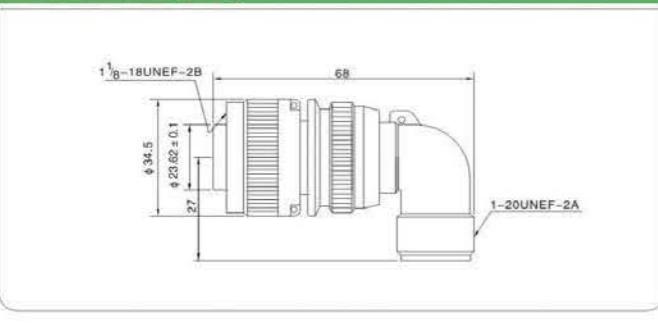
MS3106A 直式插头
MS3106A Straight Plug



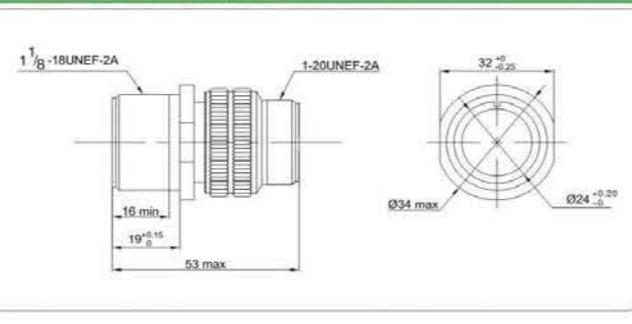
MS3100A 墙式方盘安装插座
MS3100A Wall Mounting Receptacle



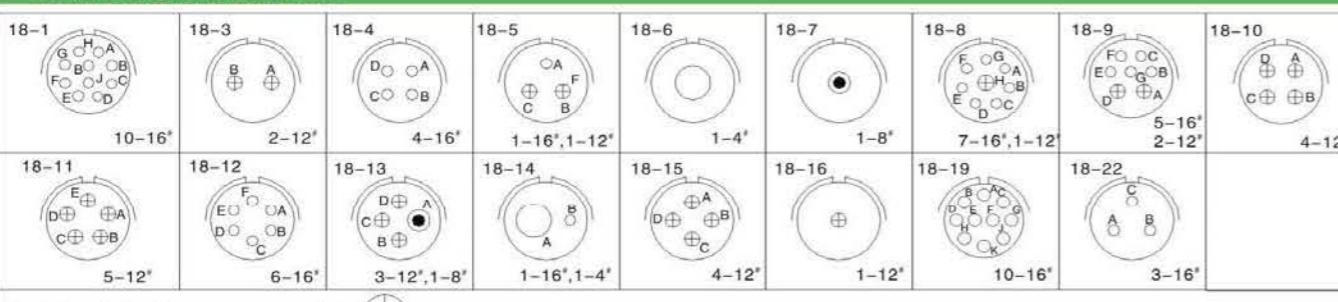
MS3108A 90°弯式插头
MS3108A 90°-angle Plug



MS3101 中继插座
MS3101 Cable Connecting Socket



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

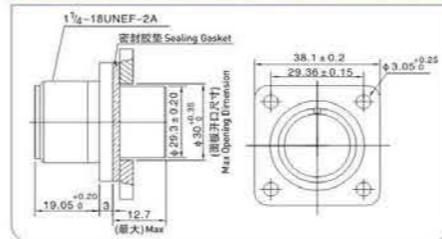


接触体规格对应符号
Contact Number Mark

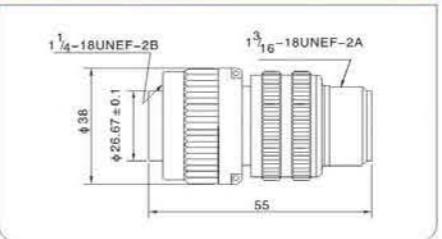
MS5015 20



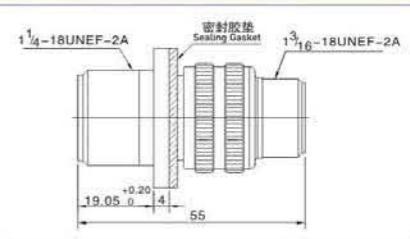
MS3102 盒式方盘安装插座
MS3102 Box Mounting Receptacle



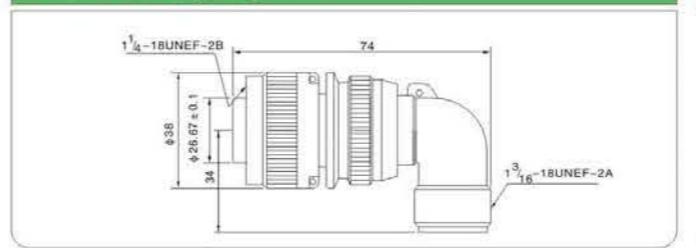
MS3106A 直式插头
MS3106A Straight Plug



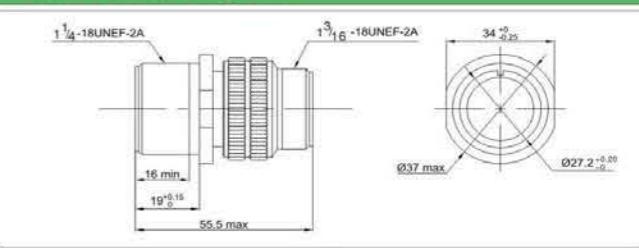
MS3100A 墙式方盘安装插座
MS3100A Wall Mounting Receptacle



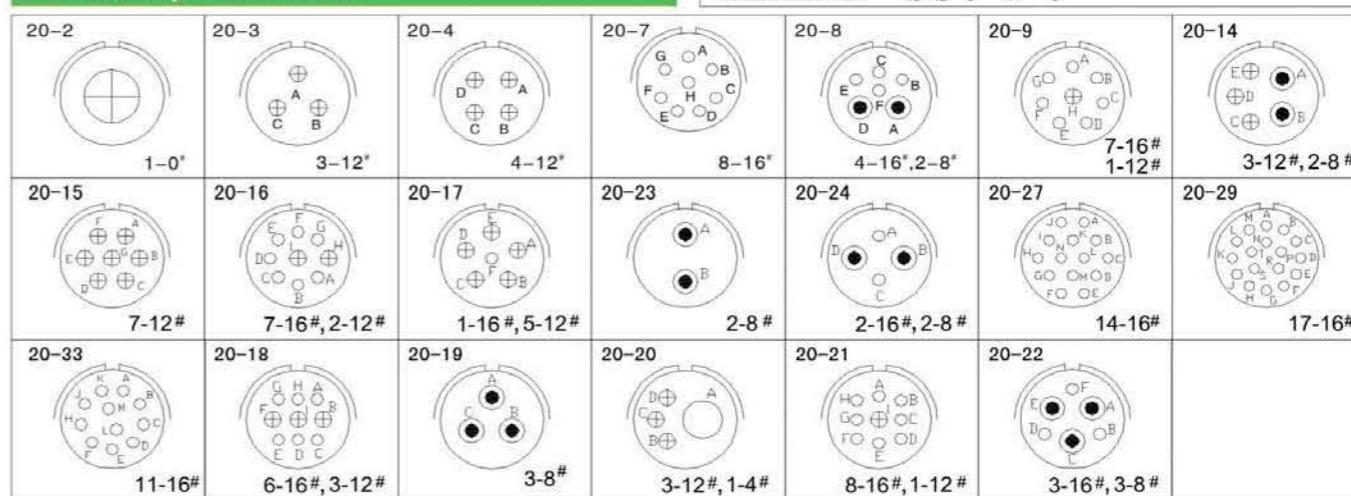
MS3108A 90°弯式插头
MS3108A 90°-angle Plug



MS3101 中继插座
MS3101 Cable Connecting Socket



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

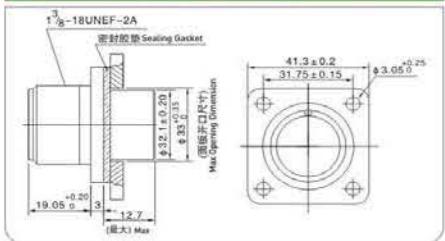


接触体规格对应符号
Contact Number Mark

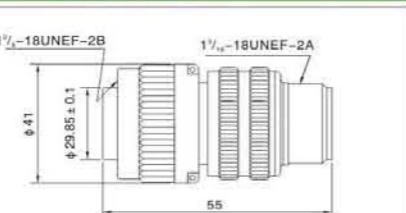
MS5015 22



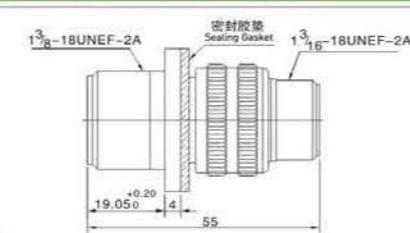
MS3102 盒式方盘安装插座
MS3102 Box Mounting Receptacle



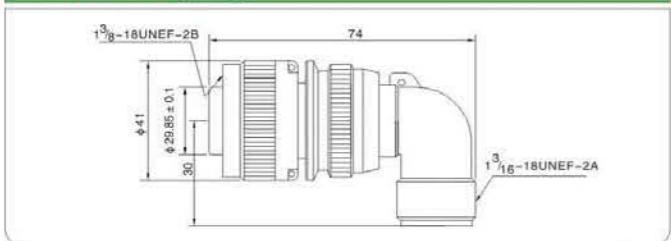
MS3106A 直式插头
MS3106A Straight Plug



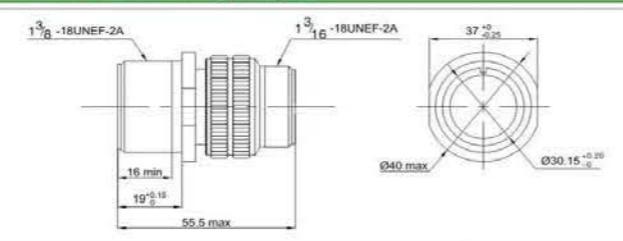
MS3100A 壁式方盘安装插座
MS3100A Wall Mounting Receptacle



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



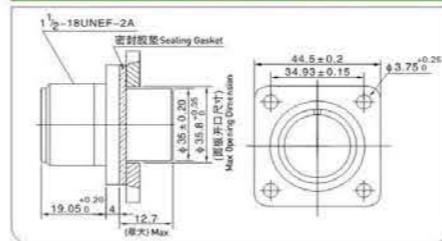
MS3101 中继插座
MS3101 Cable Connecting Receptacle



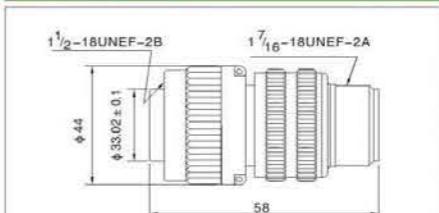
MS5015 24



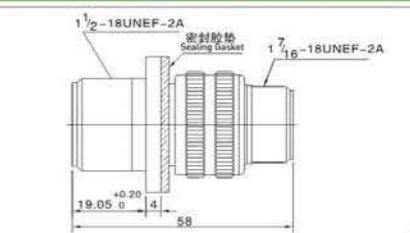
MS3102 盒式方盘安装插座
MS3102 Box Mounting Receptacle



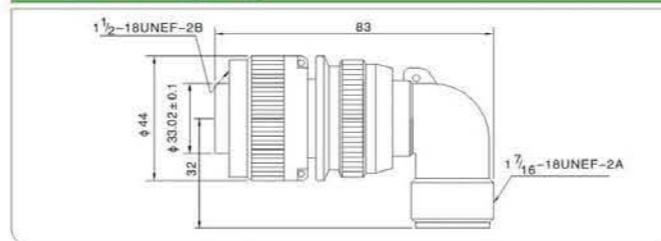
MS3106A 直式插头
MS3106A Straight Plug



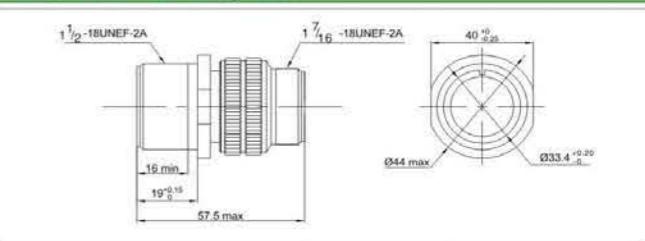
MS3100A 壁式方盘安装插座
MS3100A Wall Mounting Receptacle



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

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

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

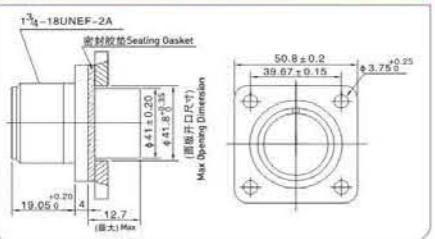
接触体规格对应符号
Contact Number Mark

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

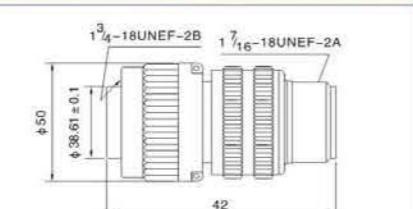
MS5015 28



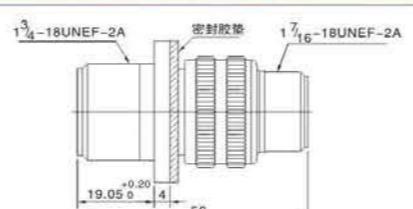
MS3102 盒式方盘安装插座
MS3102 Box Mounting Receptacle



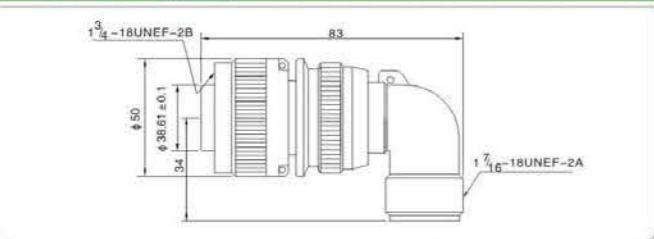
MS3106A 直式插头
MS3106A Straight Plug



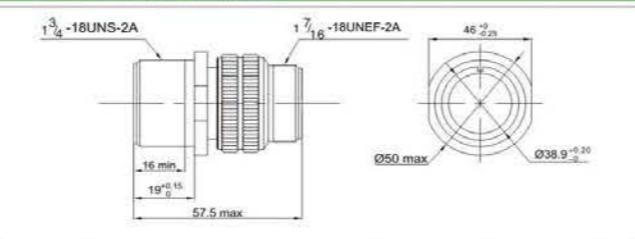
MS3100A 墙式方盘安装插座
MS3100A Wall Mounting Receptacle



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

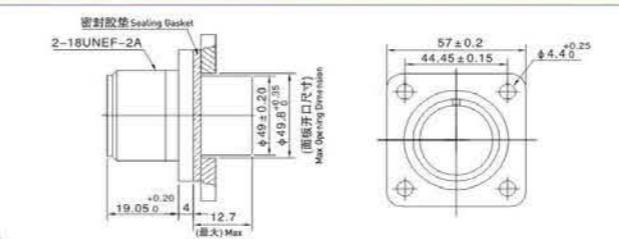
接触体规格对应符号
Contact Number Mark

28-1	28-2	28-3	28-4	28-5	28-7	28-8
6-12# 3-8#	12-16#, 2-12#	3-8#	7-16# 2-12#	2-16# 1-12#, 2-4#	2-4#	10-16# 2-12#
6-16#, 6-12#	3-12#, 2-8# 2-4#	3-12#, 4-12#	18-16#, 4-12#	26-16#	35-16#	20-16#
12-16#	6-16# 4-12#	4-16#, 10-12#	37-16#	3-12#, 3-4#	21-16# 3-8#	

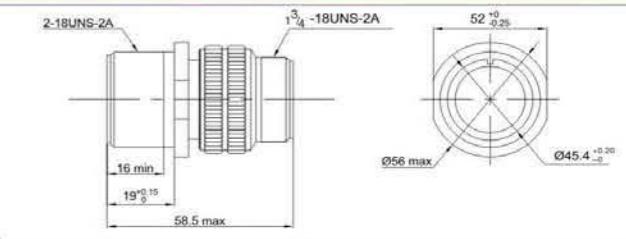
MS5015 32



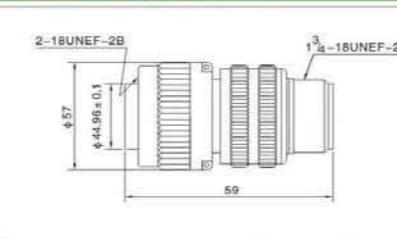
MS3102 盒式方盘安装插座
MS3102 Box Mounting Receptacle



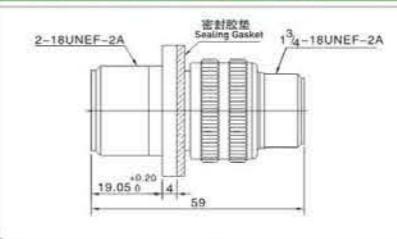
MS3101 中继插座
MS3101 Cable Connecting Socket



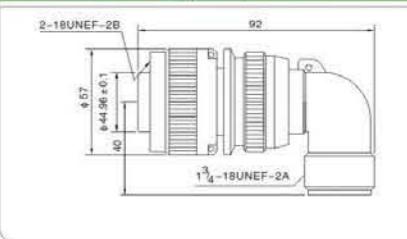
MS3106A 直式插头
MS3106A Straight Plug



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

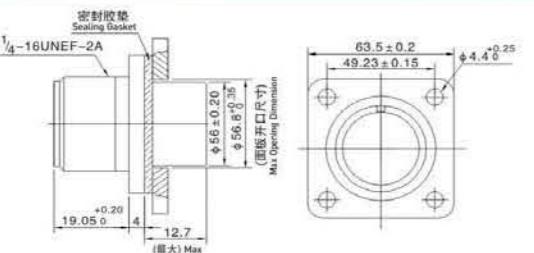
接触体规格对应符号
Contact Number Mark

32-8	32-9	32-13	32-15	32-17
24-16#, 6-12#	12-16#, 2-0#	18-16#, 5-12#	6-12#, 2-0#	4-4#
E (A) D (其余全部) 3-12#, 2-0#	E 2-16#, 3-4#	D 4-16#, 2-4# 2-12#, 1-0#	16-16#, 3-8# 2-12#, 2-4#	28-16# 7-12# A
A 54-16#	D 5-4#	A 46-16#	C (A, E) D (其余全部) 10-16# 2-8# (同轴)	A (C, G, H, J, M, N) B (E) 13-16# D (其余全部) 1-8# (同轴)

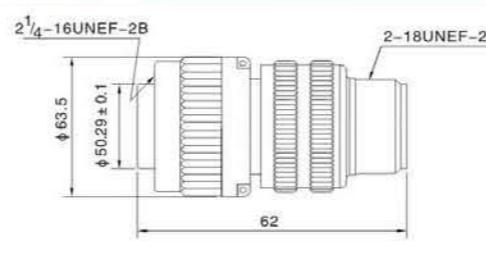
MS5015 36



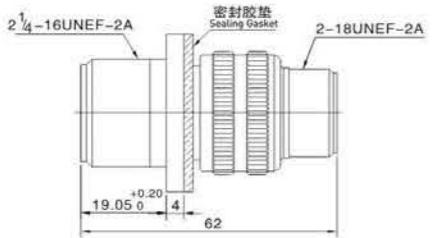
MS3102 盒式方盘安装插座
MS3102 Box Mounting Receptacle



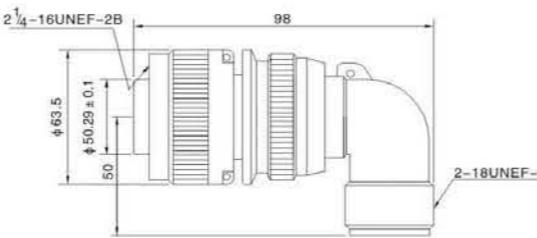
MS3106A 直式插头
MS3106A Straight Plug



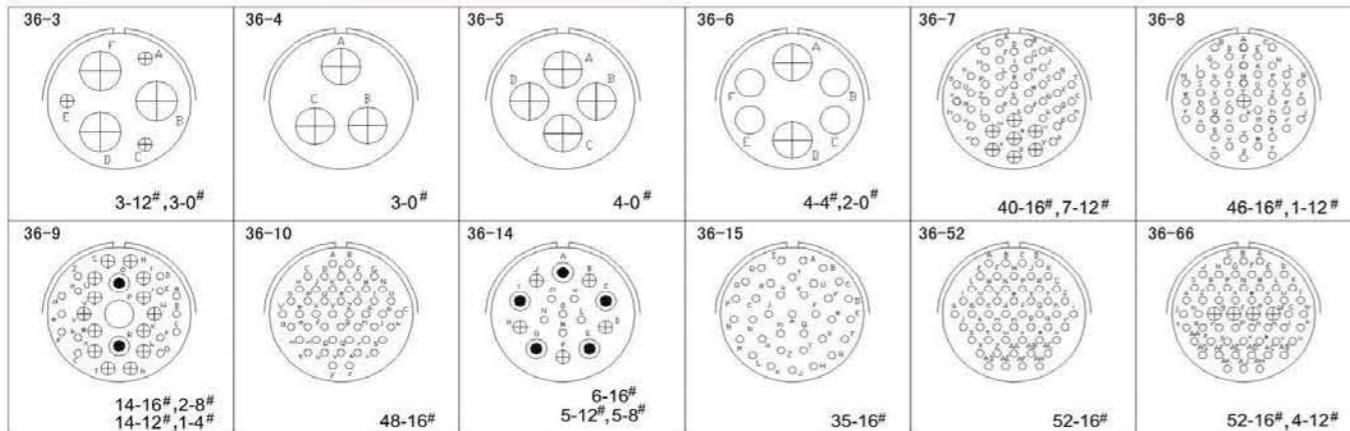
MS3100A 墙式方盘安装插座
MS3100A Wall Mounting Receptacle



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



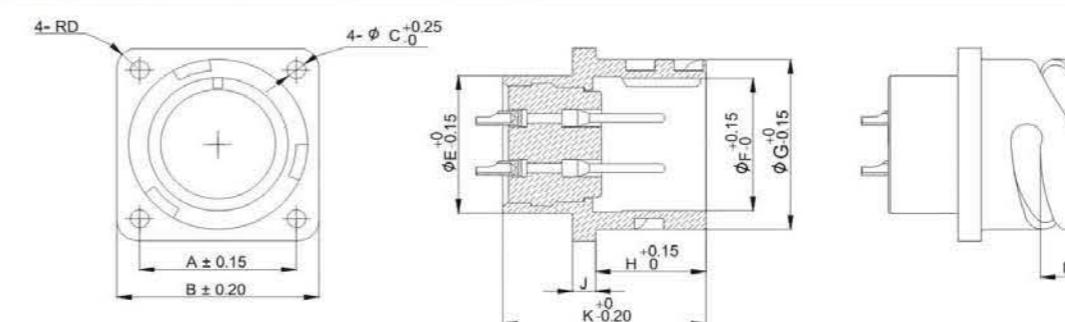
孔组排列 从插针方向看 Contacts Arrangement from Male Side



5015 3102卡口方座系列 MS3102 Box Mounting Receptacle



5015 3102卡口方座图
MS3102 Box Mounting Receptacle

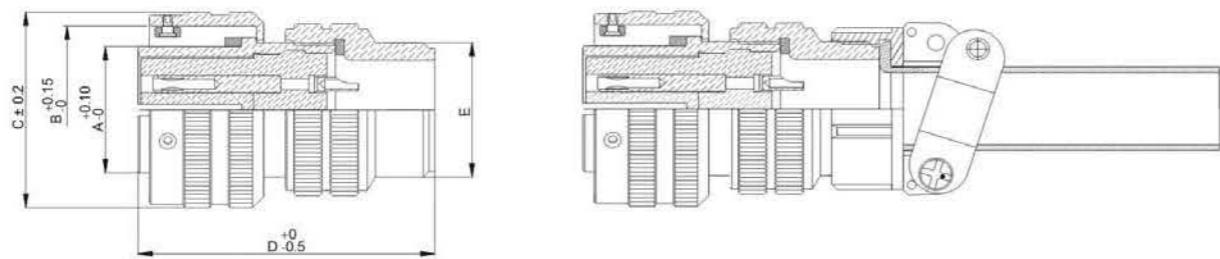


壳体号 Shell Size	A	B	C	D	E	F	G	H	J	K	L
10SL	18.26	25.4	3.2	R3.5	15.9	11.7	18.1	14.3	3	29.3	6.5
12S	20.62	27.79	3.2	R3.5	16.9	14.4	21.4	14.3	3	29.3	6.5
14S	23.01	30.18	3.2	R3.5	20.9	17.5	24.6	14.3	3	29.3	6.5
16S	24.61	32.54	3.2	R3.5	24	20.75	27.3	14.3	3	29.3	6.5
18	27	34.8	3.2	R3.5	25	24	30.8	19	4	35.1	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



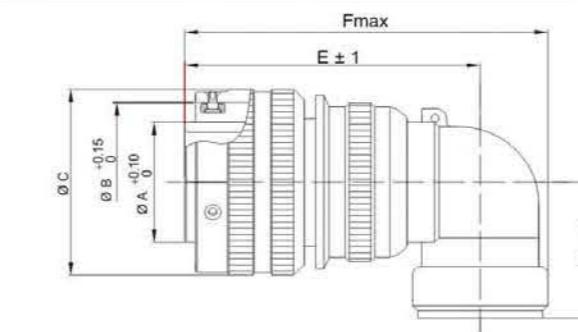
5015 3106 卡口直头图纸
5015 Bayonet Straight Plug Illustration



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 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

壳体号 Shell Size	A	B	C	D	E	F	H 螺纹 H Screw Thread
10 SL	11.4	18.6	22.5	21	44	52	0.625-24UNEF-2A
12 S	14	21.8	26	22	45	53	0.625-24UNEF-2A
14 S	17.1	25	29.2	23	46	56	0.75-20UNEF-2A
16 S	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