

J599 系列功率连接器

「产品简介」

- ◇外形尺寸符合 GJB 599A 系列III
- ◇供设备间大功率电源信号传输使用
- ◇额定工作电流为 33A~225A
- ◇压接接线形式
- ◇螺纹快速连接



「性能指标」

◇壳体材料:

类别	壳体材料	表面处理	电连续性	温度等级	耐盐雾
F	铝合金	镀镍	1mΩ	-65℃~+200℃	48h
W	铝合金	镀军绿镉	2.5mΩ	-65℃~+175℃	500h
S	不锈钢	镀镍	1mΩ	-65℃~+200℃	48h
K	不锈钢	钝化	10mΩ	-65℃~+200℃	500h

◇耐电压:

工作环境	耐电压 (V)	绝缘电阻 (MΩ)
常温状态	1500	≥5000
高温	800	≥1000
湿热状态	200V	≥20

◇ 振动: 正弦振动, 10~2000Hz, 20g 随机振动, 50~2000Hz, 0.6G²/Hz

◇冲击: 加速度 980m/s² ◇工作高度: ≤30480m

◇防霉菌: 28 天, 等级 2 级 ◇耐湿热: 24 小时 10 个循环

◇机械寿命: 500 次插拔 ◇气密性: 插座两端压力差为 0.1MPa, 泄漏率不超过 1×10⁻⁸Pa.m³/s



◇额定电流、适配导线及接触电阻:

接触件规格	额定电流 A	适配导线	接触电阻 mΩ	接线杯内径 mm
4/0#	225	AWG 0000	≤0.09	φ 12
2/0#	185	AWG 00	≤0.10	φ 12.7
0#	150	AWG 0	≤0.14	φ 11.45
2#	100	AWG 2	≤0.17	φ 8
4#	80	AWG 4	≤0.29	φ 6.5
6#	60	AWG 6	≤0.50	φ 5.9
8#	46	AWG 8	≤0.57	φ 4.5
10#	33	AWG 10	≤1.00	φ 3.4

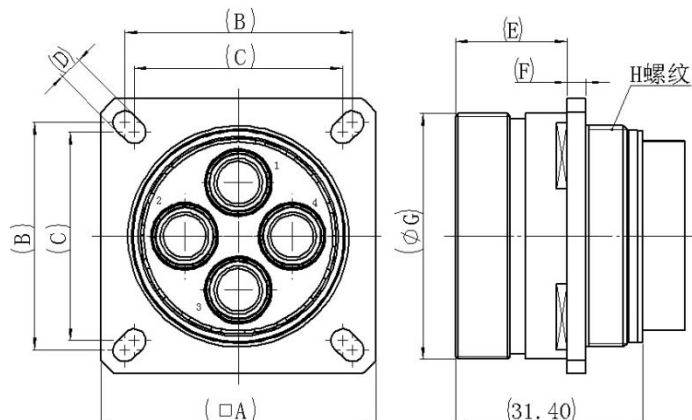
「标记说明」

主称代号	J599/	20	W	C	01H	P	N	V
连接器类型								
20-方盘安装插座								
24-螺母安装插座								
26-插头								
壳体等级								
F-铝合金镀镍								
W-铝合金镀军绿镉								
S-不锈钢镀镍								
K-不锈钢钝化								
壳体号代码								
型号命名壳体代号	C	D	E	F	G	H	J	K
实际对应壳体号	13	15	17	19	21	23	25	27
绝缘体孔位排列								
详见孔组排列图								
接触件类型								
P-插针(压接) S-插孔(压接) PH-插孔(焊接) SH-插针(焊接)								
键位变换								
N(标准键位)								
A、B、C、D、E								
标记说明								
V-产品橡胶材料为氟硅胶(耐油)								

注: 该系列产品适配的尾部附件有 J1784/38*G2 系列以及适配于 GJB599III 系列产品尾附。

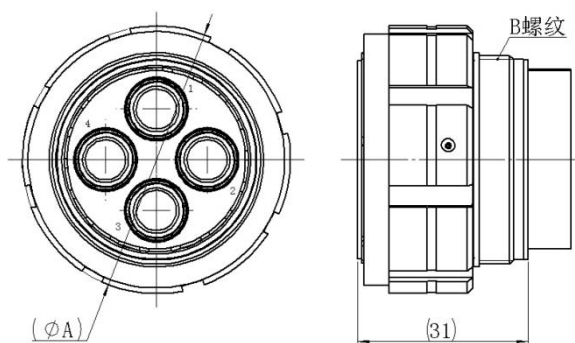
「连接器外形尺寸」

◇ J599/20 方盘安装插座



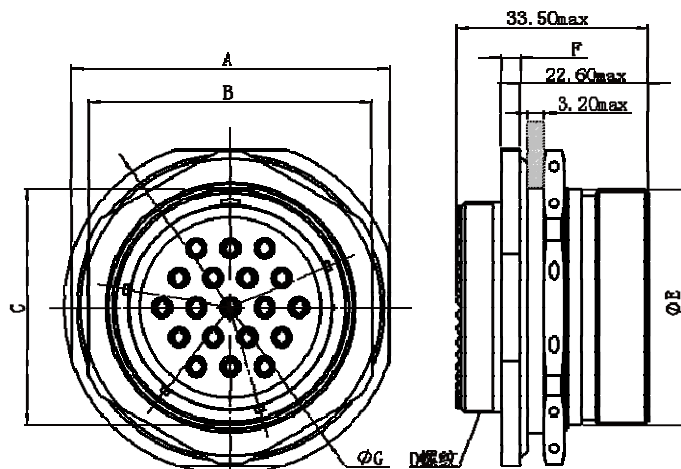
壳体号	MS 壳体号	A	B	C	D	E	F	G	H
13	C	28.6	23.01	20.62	3.25	18.7	2.5	22.18	M18×1-6g
15	D	31	24.61	23.01	3.25	18.7	2.5	25.36	M22×1-6g
17	E	33.3	26.97	24.61	3.25	18.7	2.5	30.11	M25×1-6g
19	F	36.5	29.36	26.97	3.25	18.7	2.5	31.69	M28×1-6g
21	G	39.7	31.75	29.36	3.25	18.7	3.2	34.87	M31×1-6g
23	H	42.9	34.93	31.75	3.91	18.7	3.2	38.04	M34×1-6g
25	J	46	38.1	34.93	3.91	18.7	3.2	41.22	M37×1-6g
27	K	51	43.1	39.9	3.91	19.5	3.2	45.9	M45×1.5-6g

◇ J599/26 插头



壳体号	MS 壳体号	A	B
13	C	29.4	M18×1-6g
15	D	32.5	M22×1-6g
17	E	35.7	M25×1-6g
19	F	38.5	M28×1-6g
21	G	41.7	M31×1-6g
23	H	44.9	M34×1-6g
25	J	48	M37×1-6g
27	K	52.2	M45×1.5-6g

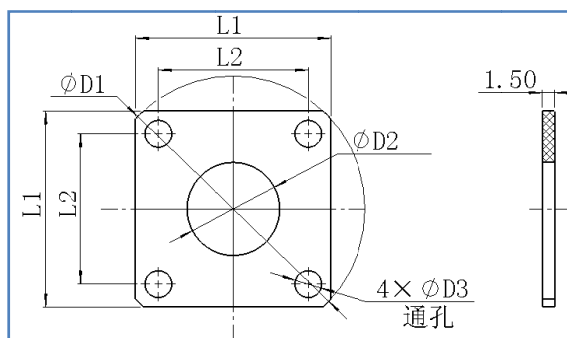
◇J599/24 螺母安装插座



壳体号	MS 壳体号	A	B max	C max	D	E	F	G
13	C	34.9	30.7	23.82	M18×1-6g	22.19	2.5	38.1
15	D	38.1	33.8	26.97	M22×1-6g	25.36	2.5	41.3
17	E	41.3	36.5	30.15	M25×1-6g	30.11	2.5	44.5
19	F	46	40.6	33.32	M28×1-6g	31.69	3.3	49.2
21	G	49.2	43.4	36.5	M31×1-6g	34.87	3.3	52.4
23	H	52.4	46.2	39.67	M34×1-6g	38.04	3.3	55.6
25	J	55.6	49.7	42.85	M37×1-6g	41.22	3.3	58.7

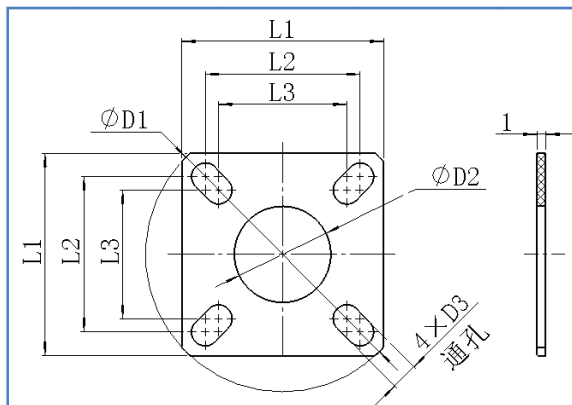
「方盘垫圈说明」

◇J599 系列前安装方盘垫圈（非导电）



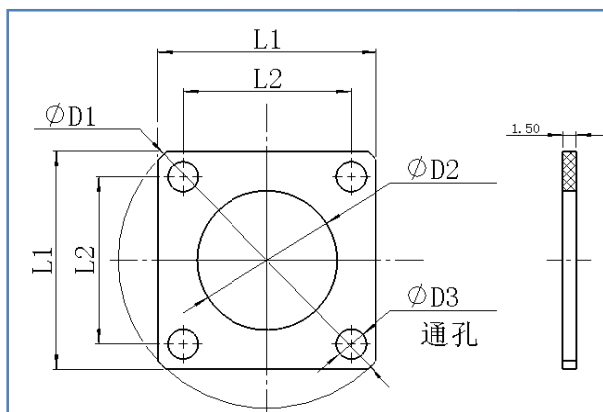
壳体号	方盘垫圈代号	L1	L2	D1	D2	D3
13	C	3E8 702 2211	28.60	23.01	39.00	17.3
15	D	3E8 702 2212	31.00	24.61	41.30	21.3
17	E	3E8 702 2213	33.30	26.97	44.60	24.3
19	F	3E8 702 2214	36.50	29.36	48.00	27.3
21	G	3E8 702 2215	39.70	31.75	51.50	30.3
23	H	3E8 702 2216	42.90	34.93	57.50	33.30
25	J	3E8 702 2217	46.00	38.10	62.00	36.30
27	K	3E8 702 00550	51.00	43.10	68	42

◇J599 系列前安装方盘垫圈（导电）



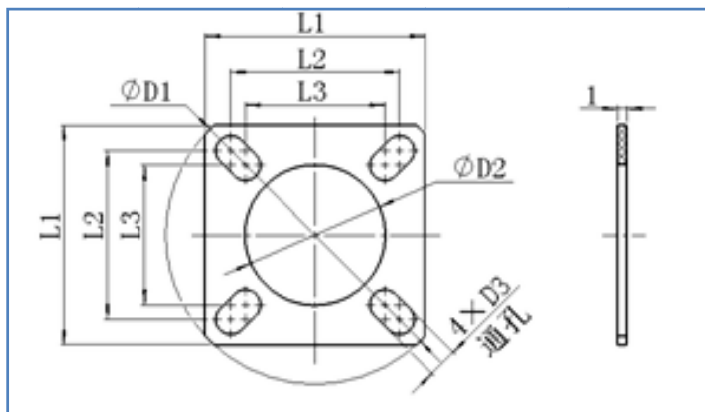
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13	C	3E8 702 00005	28.60	23.01	20.62	39.00	18	3.25
15	D	3E8 702 00006	31.00	24.61	23.01	41.30	22	
17	E	3E8 702 00007	33.30	26.97	24.61	44.60	25	
19	F	3E8 702 00008	36.50	29.36	26.97	48.00	28	
21	G	3E8 702 00009	39.70	31.75	29.36	51.50	31	
23	H	3E8 702 00010	42.90	34.93	31.75	57.50	34	3.91
25	J	3E8 702 00363	46.00	38.10	34.93	62.00	37	
27	K	3E8 702 00565	51.00	43.10	39.90	68	42	

◇J599L 系列后安装方盘垫圈（非导电）



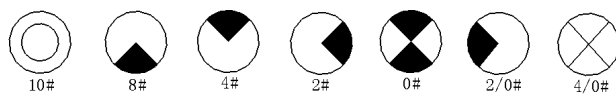
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13	C	3E8 702 2220	28.60	23.01	39.00	21.55	3.25
15	D	3E8 702 2221	31.00	24.61	41.30	24.7	
17	E	3E8 702 2222	33.30	26.97	44.60	29.5	
19	F	3E8 702 2223	36.50	29.36	48.00	31.05	
21	G	3E8 702 2224	39.70	31.75	51.50	34.05	
23	H	3E8 702 2225	42.90	34.93	57.50	37.4	3.91
25	J	3E8 702 2226	46.00	38.10	62.00	40.6	
27	K	3E8 702 00557	51.00	43.10	68	45.9	

◇J599 系列后安装方盘垫圈（导电）

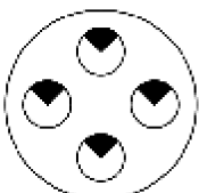
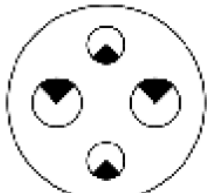
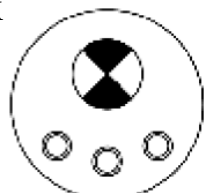
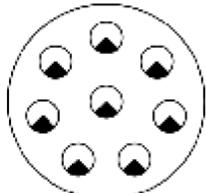
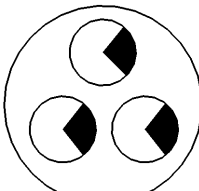
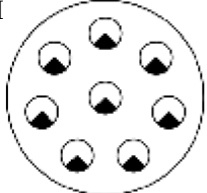


壳体号		方盘垫圈代号	L1	L2	L3	D1	D2	D3
13	C	3E8 702 00298	28.60	23.01	20.62	39.00	21.55	3.25
15	D	3E8 702 00299	31.00	24.61	23.01	41.30	24.7	
17	E	3E8 702 00300	33.30	26.97	24.61	44.60	29.5	
19	F	3E8 702 00301	36.50	29.36	26.97	48.00	31.05	
21	G	3E8 702 00302	39.70	31.75	29.36	51.50	34.05	
23	H	3E8 702 00303	42.90	34.93	31.75	57.50	37.4	3.91
25	J	3E8 702 00304	46.00	38.10	34.93	62.00	40.6	
27	K	3E8 702 00557	51.00	43.10	39.90	68	45.9	

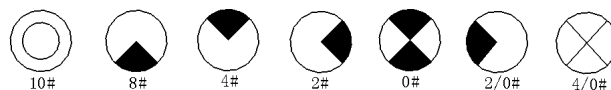
「压接型产品孔组排列图」

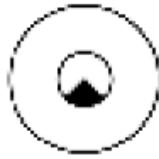
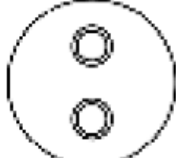
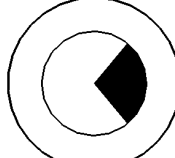
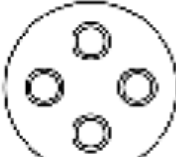
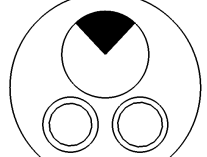
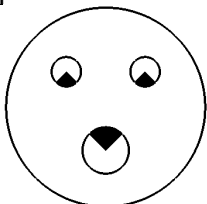
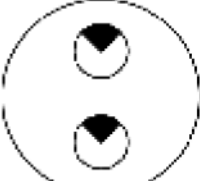
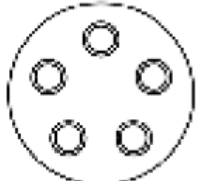


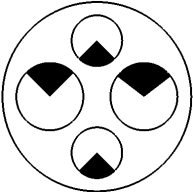
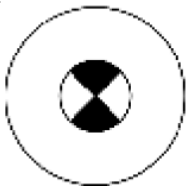
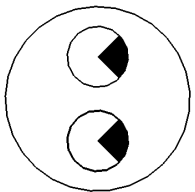
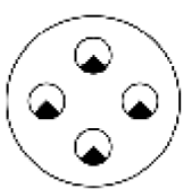
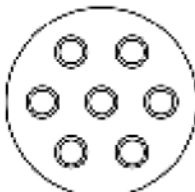
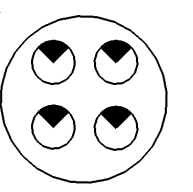
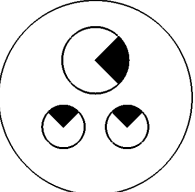
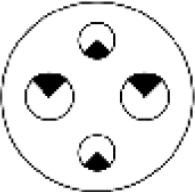
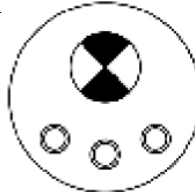
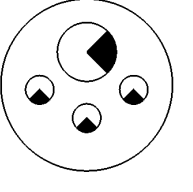
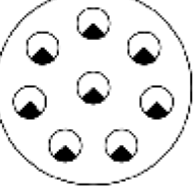
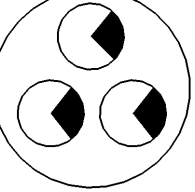
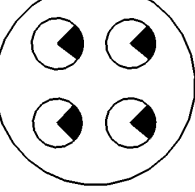
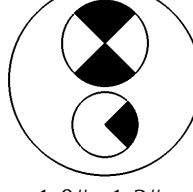
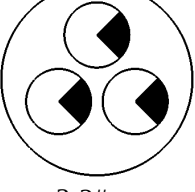
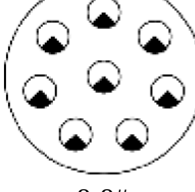
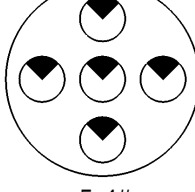
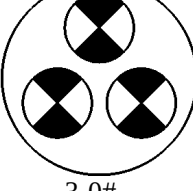
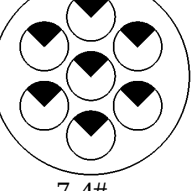
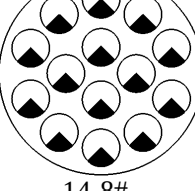
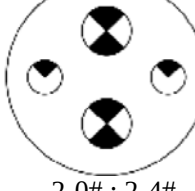
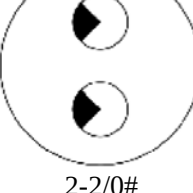
壳体号 13 (C)	01H 1-8#			
15 (D)	01H 1-8#			
17 (E)	01H 1-4#	02H 2-10#		
19 (F)	02H 2-8#	04H 4-10#		
21 (G)	03H 3-8#	04H 2-8# ; 2-10#	05H 5-10#	
23 (H)	01H 1-0#	02H 2-4#	04H 4-8#	07H 7-10#
	01J 1-2/0#			

25 (J)	04H  4-4#	04J  2-4# ; 2-8#	04K  1-0# ; 3-10#	08H  8-8#
	03H  3-2#			
27 (K)	04H  4-4#	08H  8-8#		

「焊接型产品孔组排列图」



15 (D)	01H  1-8#			
17 (E)	01H  1-4#	02H  2-10#	02J  2-8#	01J  1-2#
19 (F)	02H  2-8#	04H  4-10#	03H  3-8#	03J  1-4# ; 2-10#
21 (G)	03H  1-4# ; 2-8#	02H  2-4#	05H  5-10#	04H  2-8# ; 2-10#

	04J  2-4# ; 2-8#			
23 (H)	01H  1-0#	02H  2-2#	04H  4-8#	07H  7-10#
25 (J)	04H  4-4#	03H  1-2# ; 2-4#	04J  2-4# ; 2-8#	04K  1-0# ; 3-10#
	04L  1-2# ; 3-8#	08H  8-8#	03J  3-2#	04a  4-2#
27 (K)	02H  1-0# ; 1-2#	03H  3-2#	08H  8-8#	05H  5-4#
29 (L)	03H  3-0#	07H  7-4#	14H  14-8#	04H  2-0# ; 2-4#
	02H  2-2/0#			

注：1、上述孔位排列中主键位均向上。

2、可按用户要求在上述壳体号范围内进行新产品定制。