

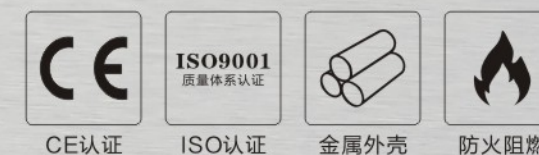
焊接芯件参数 Solder contact spec

HSP13	2	3	4	5	6	7	9
公端绝缘体正面图 Male contact face view							
额定电流(A) Rated current(A)	13	13	5	5	5	5	5
接触件直径(mm) Contact diameter(mm)	Φ1.6×2	Φ1.6×3	Φ1×4	Φ1×5	Φ1×6	Φ1×7	Φ0.7×9
工作电压(AC.V) Rated voltage(AC.V)	250	250	200	180	125	125	125
耐压(AC.V)1min Test voltage(AC.V)1min	1500	1500	1500	1000	1000	1000	1000
接触电阻(mΩ) Contact resistance(mΩ)	2.5	2.5	5	5	5	5	10
绝缘电阻(mΩ) Insulation resistance(mΩ)	2000	2000	2000	2000	2000	2000	2000
线规(mm²/AWG) Wire size(mm²/AWG)	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18	≤0.5/20

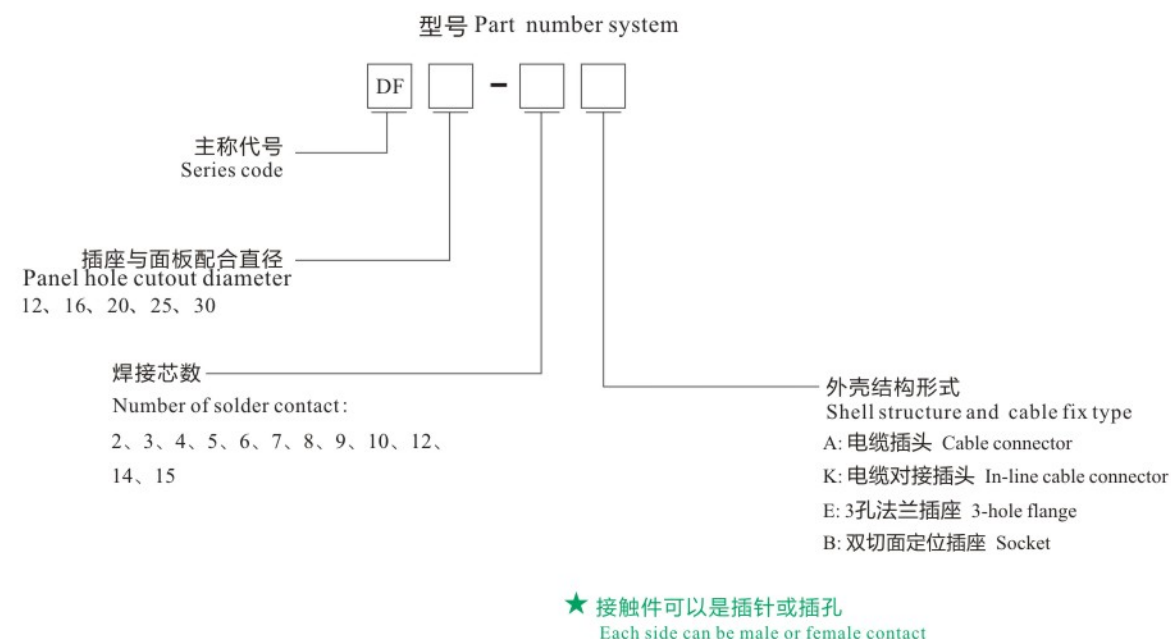
HSP17	2	3	4	5	7	9	10
公端绝缘体正面图 Male contact face view							
额定电流(A) Rated current(A)	10	10	5	5	5	5	5
接触件直径(mm) Contact diameter(mm)	Φ1.5×2	Φ1.5×3	Φ1×4	Φ1×5	Φ1×7	Φ1×9	Φ1×10
工作电压(AC.V) Rated voltage(AC.V)	500	500	500	500	400	400	400
耐压(AC.V)1min Test voltage(AC.V)1min	1500	1500	1500	1500	1200	1200	1200
接触电阻(mΩ) Contact resistance(mΩ)	2.5	2.5	5	5	5	5	5
绝缘电阻(mΩ) Insulation resistance(mΩ)	2000	2000	2000	2000	2000	2000	2000
线规(mm²/AWG) Wire size(mm²/AWG)	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18

HSP21	2	3	4	5	6	7	9	12
公端绝缘体正面图 Male contact face view								
额定电流(A) Rated current(A)	25	25	25	10	5 25	10	5	5
接触件直径(mm) Contact diameter(mm)	Φ2.5×2	Φ2.5×3	Φ2.5×4	Φ1.5×5	Φ1×2 Φ2.5×4	Φ1.5×7	Φ1×9	Φ1×12
工作电压(AC.V) Rated voltage(AC.V)	500	500	500	500	500	500	400	400
耐压(AC.V)1min Test voltage(AC.V)1min	1500	1500	1500	1500	1500	1500	1200	1200
接触电阻(mΩ) Contact resistance(mΩ)	1	1	1	2.5	5 1	2.5	5	5
绝缘电阻(mΩ) Insulation resistance(mΩ)	2000	2000	2000	2000	2000	2000	2000	2000
线规(mm²/AWG) Wire size(mm²/AWG)	≤4/11	≤4/11	≤4/11	≤2/14	≤0.75/18 ≤4/14	≤2/14	≤0.75/18	≤0.75/18

HSP29	2	3	4	5	7	8	9	10	12	16	17	20	24	26
公端绝缘体正面图 Male contact face view														
额定电流(A) Rated current(A)	50	50	25	25	25	25	25 5	25	10	10	10	5	5	5
接触件直径(mm) Contact diameter(mm)	Φ3.5×2	Φ3.5×3	Φ2.5×4	Φ2.5×5	Φ2.5×7	Φ2.5×8	Φ2.5×4 Φ1×5	Φ2.5×10	Φ1.5×12	Φ1.5×16	Φ1.5×17	Φ1×20	Φ1×24	Φ1×26
工作电压(AC.V) Rated voltage(AC.V)	500	500	500	500	500	500	500	500	500	500	500	400	400	400
耐压(AC.V)1min Test voltage(AC.V)1min	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1200	1200	1200
接触电阻(mΩ) Contact resistance(mΩ)	0.5	0.5	1	1	1	1	1 5	1	2.5	2.5	2.5	5	5	5
绝缘电阻(mΩ) Insulation resistance(mΩ)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
线规(mm²/AWG) Wire size(mm²/AWG)	≤10/7	≤10/7	≤4/11	≤4/11	≤4/11	≤4/11	≤4/11 ≤0.75/18	≤4/11	≤2/14	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18



● DF系列 DF Series



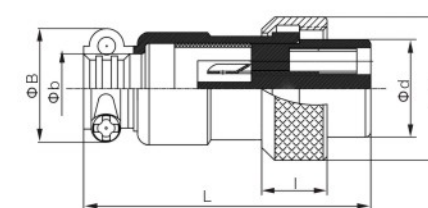
● 注：连接器根据接触对数量，其每一对的额定电流按下表规定的下降计算。
Remarks: The rated current decreases according to the number of contacts, more contacts, less rated current.

接触对芯数 Number of contact	1~3	4~10	11~20	21~30	31~40	41~50	51~61
下降率 (%) Rated current decrease rate	0	10	20	30	40	50	60

技术参数 Technical Parameter

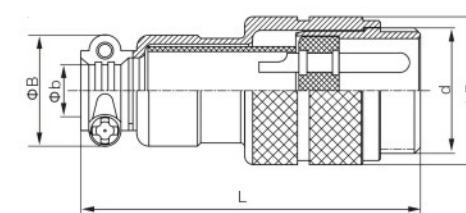
接插方式 Coupling	螺纹连接 Threaded coupling
外壳材料 Shell material	锌基合金(镀镍) Zinc alloy with nikelpate
绝缘体 Insert material	电木 Bakelite
接触件材料 Contact material	铜(镀银/金) Siwerplatedcoper/gold
接线方式 Termination	焊接 Solder
接插次数 Mating cycle	500次
温度范围 Temperature range	-20°C- +85°C

● 电缆插头A Plug A



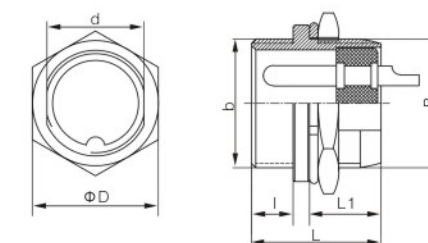
DF	12	16	20	25	30
ΦD	15	18	22	27.6	33.8
Φd	9	12.6	15.5	21	25
L	35	35.5	43	53	56
I	6	6	7.5	8	9.8
ΦB	11.3	13.4	17	22.4	25.8
Φb	5.2	6.3	8.3	10	12

● 对接式电缆插头K Male cable connecting plug K



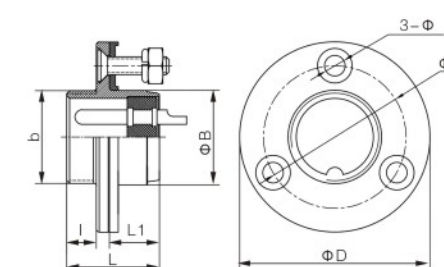
DF	12	16	20
ΦD	15	18	22
d	M13×1	M16×1	M19×1
L	37.5	42.5	51
ΦB	11.3	13.4	17
Φb	5.2	6.3	8.3

● 双切面定位插座B Socket B
















DF	12	16	19
ΦD	15	18.5	22
d	11	14.6	17.6
L	16	16	19
L1	9.3	8.8	10.5
I	5	5.3	6
B	M12×0.75	M16×1	M19×1
b	M13×1	M16×1	M19×1













● 三眼法兰插座E Three eyes flange socket E




















DF	16	20	25	30
ΦD	31	32	42	46
Φd	24	25	33	38
Φ	3.2	3.2	3.5	3.5
L	15.8	19	21	23
I	5	6	6.6	6.6
L1	6.9	9.3	10.3	12.3
ΦB	15.3	18.9	25	30
b	M16×1	M19×1	M25×1.25	M29×1

焊接芯件参数 Solder contact spec

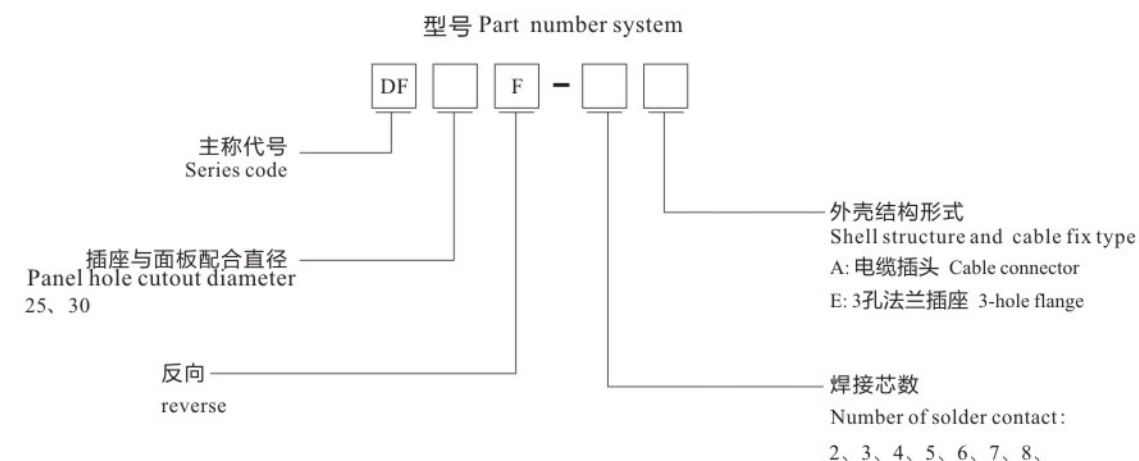
DF12	2	3	4	5	6	7	DF16	2	3	4	5	6	7	8	9	10
公端绝缘体正面图 Male contact face view																
额定电流/电压 Rated current/voltage	5A-125V						7A-125V			6A-125V	5A-125V					
工作电压(AC.V)分钟 Operation limit voltage(AC.V.rms)	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200
耐电压(AC.V)分钟 Withstanding voltage(AC.V.rms)1 minute	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
绝缘阻抗(mΩ)DC500V Insulation resistance(mΩ MIN.)at DC 500V	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
接触阻抗(mΩ)DC1A Contact resistance(mΩ MAX.)AT DC 1A	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
接触体直径Φ (mm) Contact diameter	1.2	1.2	1.2	1.2	1.2	1.2	2.5	2.5	2.5	2	1.2	1.2	1.2	1.2	1.2	1.2

DF19	2	3	4	5	6	7	8	9	10	12	14	15
公端绝缘体正面图 Male contact face view												
额定电流/电压 Rated current/voltage	10A-250V			10A-150V	6A-150V			5A-150V				
工作电压(AC.V)分钟 Operation limit voltage(AC.V.rms)	250	250	250	200	200	200	200	200	200	200	200	200
耐电压(AC.V)分钟 Withstanding voltage(AC.V.rms)1 minute	1500	1500	1500	1000	1000	1000	1000	1000	1000	1000	1000	1000
绝缘阻抗(mΩ)DC500V Insulation resistance(mΩ MIN.)at DC 500V	1500	1500	1500	1000	1000	1000	1000	1000	1000	1000	1000	1000
接触阻抗(mΩ)DC1A Contact resistance(mΩ MAX.)AT DC 1A	3	3	3	3	3	3	3	3	3	3	3	3
接触体直径Φ (mm) Contact diameter	3.0	3.0	3.0	3.0	2.0	2.0	1.5	1.5	1.5	1.5	1.5	1.5

DF25	2	3	4	5	6	7	8	10	12
公端绝缘体正面图 Male contact face view									
额定电流/电压 Rated current/voltage	20A-300V		20A-250V	15A-250V			7A-250V	7A-150V	5A-150V
工作电压(AC.V)分钟 Operation limit voltage(AC.V.rms)	500	500	400	400	300	300	200	200	200
耐电压(AC.V)分钟 Withstanding voltage(AC.V.rms)1 minute	2000	2000	2000	1500	1500	1500	1500	1500	1500
绝缘阻抗(mΩ)DC500V Insulation resistance(mΩ MIN.)at DC 500V	2000	2000	2000	2000	2000	2000	2000	2000	2000
接触阻抗(mΩ)DC1A Contact resistance(mΩ MAX.)AT DC 1A	1	1	1	1	1	1	3	3	3
接触体直径Φ (mm) Contact diameter	3.5	3.5	3.5	3	3	3	2	2	1.5

DF30	2	3	4	5	6	7	8	10
公端绝缘体正面图 Male contact face view								
额定电流/电压 Rated current/voltage	20A-300V			20A-250V			10A-150V	7A-150V
工作电压(AC.V)分钟 Operation limit voltage(AC.V.rms)	500	500	500	400	400	400	250	200
耐电压(AC.V)分钟 Withstanding voltage(AC.V.rms)1 minute	2000	2000	2000	1500	1500	1500	1500	1500
绝缘阻抗(mΩ)DC500V Insulation resistance(mΩ MIN.)at DC 500V	2000	2000	2000	2000	2000	2000	2000	2000
接触阻抗(mΩ)DC1A Contact resistance(mΩ MAX.)AT DC 1A	1	1	1	1	1	1	1	3
接触体直径Φ (mm) Contact diameter	3.5	3.5	3.5	3.5	3.5	3.5	3.0	2.5

DF系列 DF Series



★ 接触件可以是插针或插孔
Each side can be male or female contact

● 注：连接器根据接触对数量，其每一对的额定电流按下表规定的下降计算。
Remarks : The rated current decreases according to the number of contacts, more contacts, less rated current.

接触对芯数 Number of contact	1~3	4~10	11~20	21~30	31~40	41~50	51~61
下降率 (%) Rated current decrease rate	0	10	20	30	40	50	60

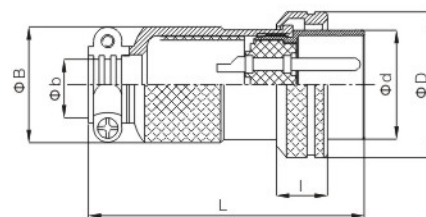
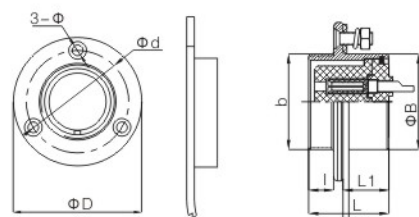
技术参数 Technical Parameter

接插方式 Coupling	螺纹连接 Threaded coupling
外壳材料 Shell material	锌基合金(镀镍) Zinc alloy with nikelpate
绝缘体 Insert material	电木 Bakelite
接触件材料 Contact material	铜(镀银/金) Siwerplatedcoper/gold
接线方式 Termination	焊接 Solder
接插次数 Mating cycle	500次
温度范围 Temperature range	-20℃~+85℃



反装插座 Opposite socket

反装插头 Opposite plug



DF	25	30
ΦD	42	46
Φd	33	38
Φ	3.5	3.5
L	21	23
I	6.6	6.6
L1	10.3	12.3
ΦB	25	30
b	M25 × 1.25	M29 × 1

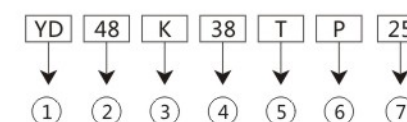
DF	25	30
ΦD	27.6	33.8
Φd	21	25
L	53	56
I	8	9.8
ΦB	22.4	25.8
Φb	10	12

DF25F	4	5	6	7
公端绝缘体正面图 Male contact face view				
额定电流/电压 Rated current/voltage	10A/250V	10A/250V	7A/150V	7A/150V
工作电压(AC.V)分钟 Operation limit voltage(AC.V.rms)	400	400	250	250
耐电压(AC.V)分钟 Withstanding voltage(AC.V.rms)1 minute	2000	2000	1500	1500
绝缘阻抗(m Ω)DC500V Insulation resistance(m Ω MIN.)at DC 500V	2000	2000	2000	2000
接触阻抗(m Ω)DC1A Contact resistance(m Ω MAX.)AT DC 1A	1	1	1	1
接触体直径Φ (mm) Contact diameter	Φ 2.5	Φ 2.5	Φ 2.0	Φ 2.0

DF30F	4	5	6	7	8
公端绝缘体正面图 Male contact face view					
额定电流/电压 Rated current/voltage	20A/300V	15A/250V	10A/150V	10A/150V	7A/150V
工作电压(AC.V)分钟 Operation limit voltage(AC.V.rms)	500	400	250	250	200
耐电压(AC.V)分钟 Withstanding voltage(AC.V.rms)1 minute	2000	1500	1500	1500	1500
绝缘阻抗(m Ω)DC500V Insulation resistance(m Ω MIN.)at DC 500V	2000	2000	2000	2000	2000
接触阻抗(m Ω)DC1A Contact resistance(m Ω MAX.)AT DC 1A	1	1	1	1	1
接触体直径Φ (mm) Contact diameter	Φ 3.5	Φ 3.5	Φ 2.5	Φ 2.5	Φ 2.0



型号说明 Model Description



- ① 主称代号 Lord said the code
- ② 插座与面板配合直径 Socket and panel with diameter: 20、28、32、40、48
- ③ 接触件种类 Types of contacts: J-插针 pin; K-插孔 jack
- ④ 芯数 Core: 3, 4, 5, 7, 9, 10, 13, 19, 26, 27, 31, 38, 42, 53
- ⑤ 连接器类型 Connector Type: T-插头 plug; Z-插座 socket
- ⑥ 外壳结构形式 Shell structure: 直式 Straight:
 - P-固定金属软管 fixed metal hoses; Q-固定圆形电缆 fixed round cable 弯式 Curved type:
 - R-固定金属软管 fixed metal hoses; S-固定圆形电缆 fixed round cable
- ⑦ 金属软管内径或电缆外径 Metal hose inside diameter or outside diameter of cable

技术参数 Technical Parameter

环境温度: -45~+85°C	Ambient temperature: -45~+85°C
相对湿度: 温度为+40°C时, 达93%	Relative temperature: if the temperature is 40°C it can reaches 93°C
耐压: 2000V(交流有效值)	Withstanding voltage: 2000V (AC RMS)
绝缘电阻: 大于2000MΩ	Insulation resistance: greater than 2000MΩ

额定电流和接触电阻: Rated current and contact resistance

接触对直径mm Diameter of pair connector	1.5	2.5	3.5	5.5	10
额定电流A Rated current	10	2.5	50	100	200
接触电阻Ω contact resistance	0.0025	0.001	0.0005	0.0003	

注: 连接器根据接触对数量, 其每一接触的额定电流按下表规定的下降率计算。
Remarks: according to quantity of connectors, rated current of the connectors descends as follow

接触对数量 Contact number	1-3	4-10	11-10	21-30	31-40	41-50	50以上
下降率 Rate of decline	0	10	20	30	40	50	60

振动: 加速度达100m/S ²	Quiver: acceleration reaches 100m/S ²
冲击: 加速度达250m/S ²	Impact: acceleration reaches 250m/S ²
寿命: 500次	The number of unplugged :500 times