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FOR-1755 Rev.1.8

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尺寸公差 (mm)					
0	>30	>60	>100	>150	
~30	~60	~100	~150	~150	0.05/10
±0.20	±0.30	±0.50	±0.70	±1.00	±1°

技术要求/Technical requirements:	
颜色/Color	Black, Orange, Red
锁紧方式/Locking method	卡扣(Buckle)
接线方式/Terminal	Busbar, Screw, Crimp, Copper Screw
外壳材料/Housing material	PA+GF
接触件材料/Connector material	铜合金 (Copper alloy)
插入力/Insertion force	100N Max
拔出力/Withdrawal force	>10N
插拔次数/Mechanical working life(mating cycles)	100
安装螺母紧固扭矩/Screw torque	M4/0.4~0.7N.m
接线规格/Wiring specifications	3/0AWG or 95mm²
建议剥线长度/Suggested stripping length	16~18mm (Crimp type)
线径OD/Wire diameter	16~18mm (Crimp type)
额定电压/Rated voltage	1500V DC
额定电流/Rated current	300A
绝缘电阻/Insulate resistance	≥5000MΩ (drying)
耐电压/Withstanding voltage	6800V/min
接触电阻/Contact resistance	≤0.5mΩ
过电压等级/Overvoltage category	III
污染等级/Pollution degree	3
防护等级/Ingress protection	IP67 (Mated)
使用温度范围/Operating temperature(°C)	-40~+125(including temperature rise)
盐雾/Salt spray	48H
储存温度/Storage temperature(°C)	-40~+85
阻燃等级/Flame retardant ability	UL94-V0
符合RoHS环保要求/Conform to RoHS	Yes
UL4128认证/UL4128 certification	E526028
TUV认证/TUV certification	50581738

A

B

C

D

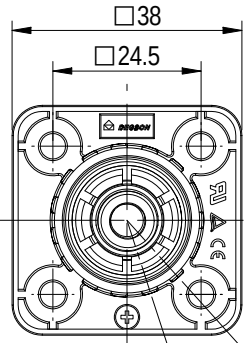


ESS-300A-95-X-XX-00

Color: BK : Black 负极
OR : Orange 正极
RD : Red 正极

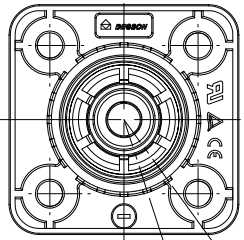
Contact Termination: B : Busbar
C : Crimp
S : Screw
B/S : Copper Screw

DEGSON		MATERIAL:		SURFACE/COLOR:	
APPD: 刘剑		2024.01.24		MAT NO./REV:	
CHKD: 于进海		2024.01.21		NAME	
DRFT: 张晓璐		2024.01.17		ESS-300A-95-X-XX-00	
DRAWING NO.		TYPE		DRAWING STATUS	
200269914		CUSTOMER DRAWING		SCALE	
1:1		SHEET		1/1	



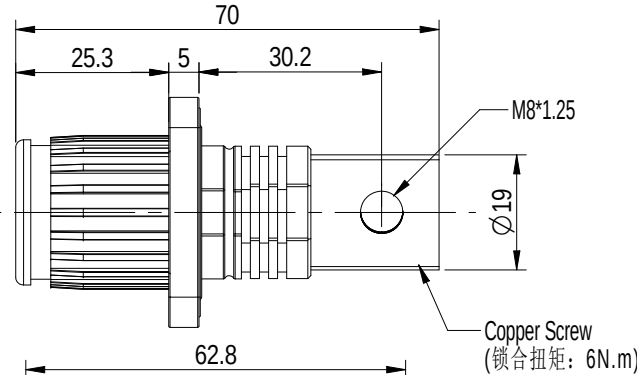
正极插座

其他接线方式: 形式一:

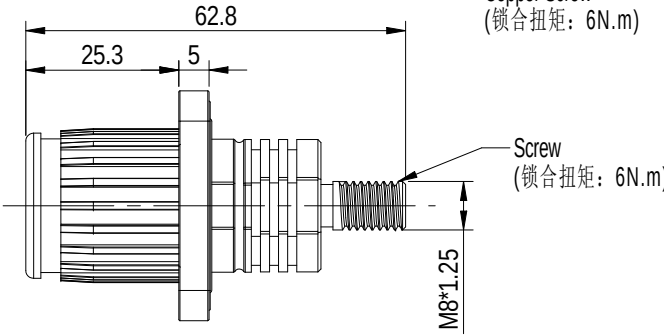


负极插座

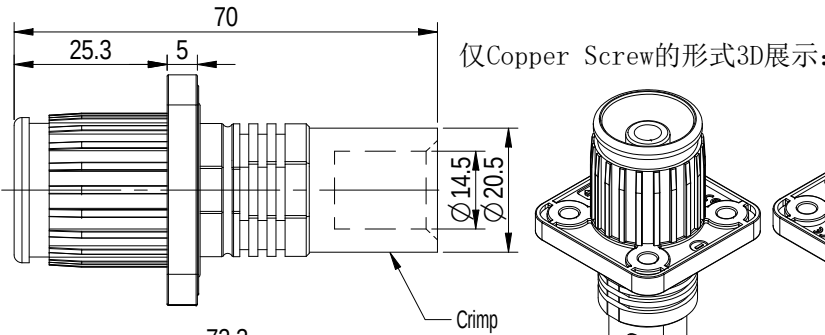
形式二:



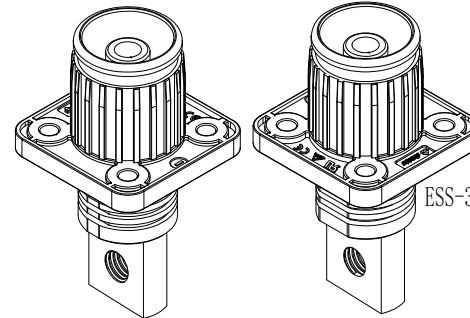
Copper Screw
(锁合扭矩: 6N.m)



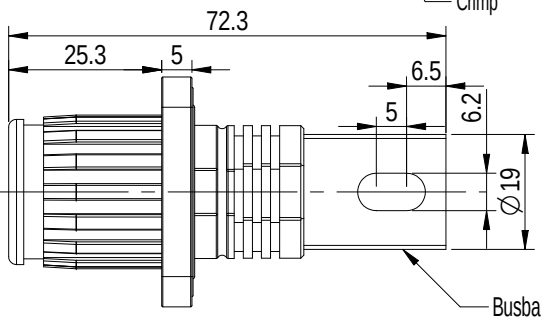
Screw
(锁合扭矩: 6N.m)



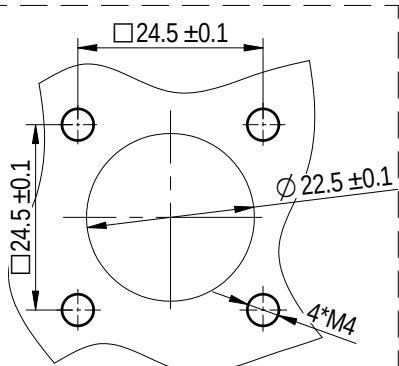
仅Copper Screw的形式3D展示:



形式三:



Busbar



Recommended
Panel Cut-Out

01	ECN	DESCRIPTION	DRFT	DATE
REV	ECN	DESCRIPTION	DRFT	DATE