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FOR-1755 Rev.1.3

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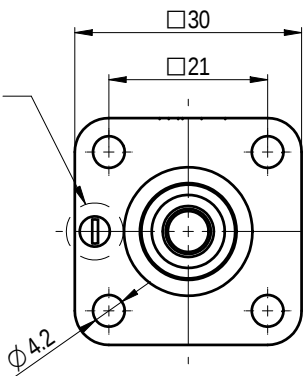
3

4

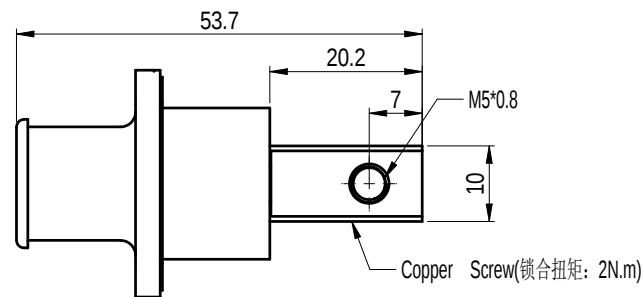
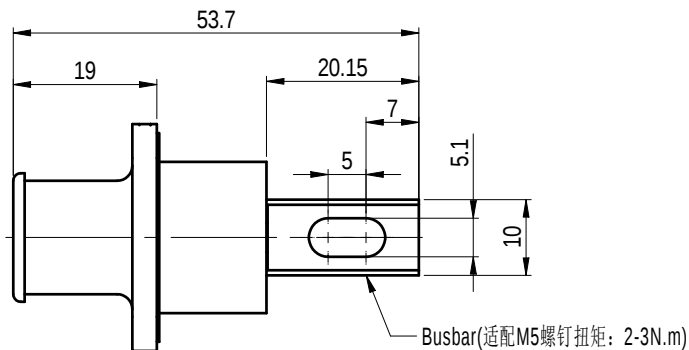
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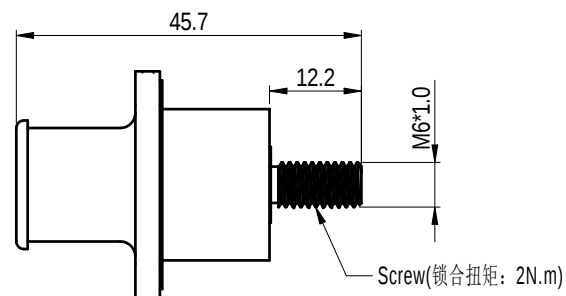
正极 “+”
负极 “-”



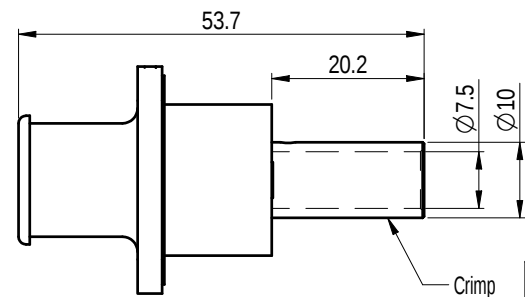
其他接线方式: 形式一:



形式二:



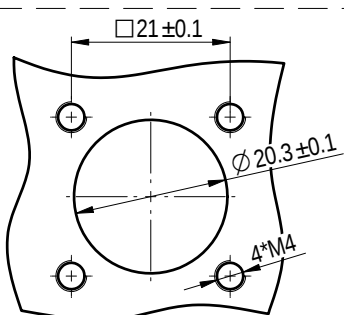
形式三:



ESS-120A-25-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

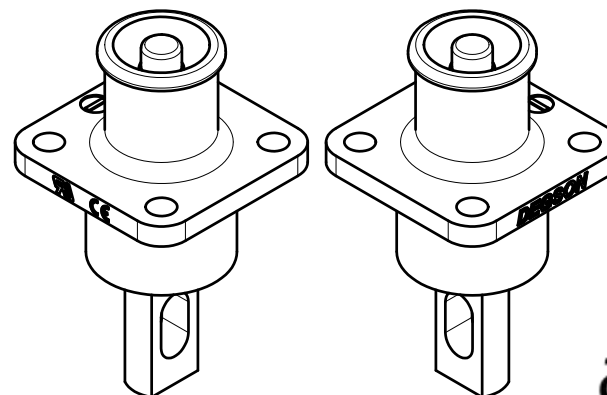


Recommended
Panel Cut-Out

Dimensional tolerance(mm)					0.1/10 ±2'
0	>30	>60	>100	>150	
~30	~60	~100	~150	~150	
±0.25	±0.35	±0.55	±0.80	±1.10	

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	60N 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	4AWG or 25mm ²
建议剥线长度/Suggested stripping length	13~14mm (Crimp type)
线径OD/Wire diameter	9~10.3mm (Crimp type)
额定电压/Rated voltage	1500V DC
额定电流/Rated current	120A
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

仅Busbar的形式3D展示:



active

			MATERIAL:		SURFACE:		
			MAT NO./REV: /		MAT STATUS:		
APPD:	刘剑	2024.01.24	NAME ESS-120A-25-X-XX-00				
CHKD:	于进海	2024.01.21					
DRFT:	张晓瑶	2024.01.17					
 A4			DRAWING NO.	TYPE	DRAWING STATUS	SCALE	SHEET
			200269797	CUSTOMER DRAWING		1:1	1/1

01	REV	ECN	DESCRIPTION	DRFT	DATE