

Transfer or duplication of this document as well as the utilization or communication of its contents are prohibited unless explicit authorization is granted. Violations will be liable for compensation. All rights reserved for patent, utility model or design registrations. 除专利上标注、复制、引用、分发本文件的序号、标识等外，其他内容均受专利保护。未经许可，不得复制或分发本文件。

FOR-1755 Rev.1.7

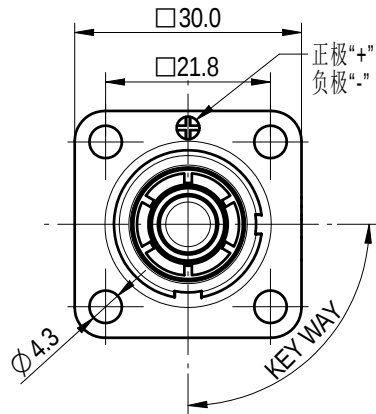
2

3

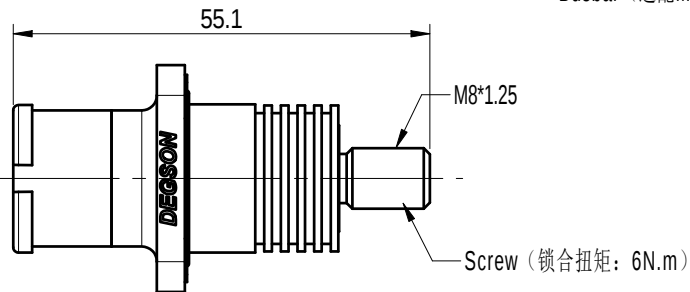
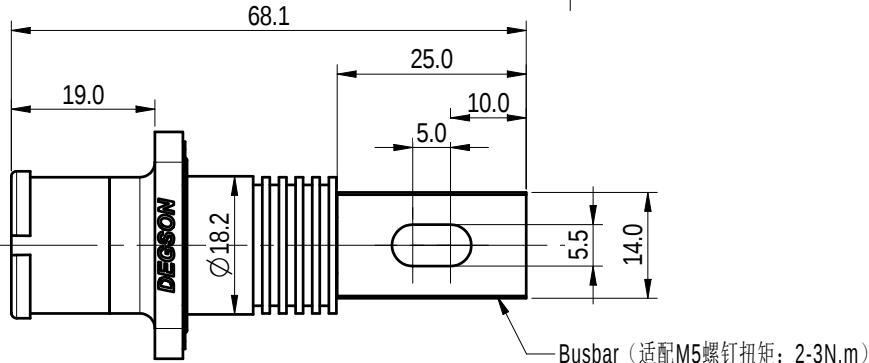
4

5

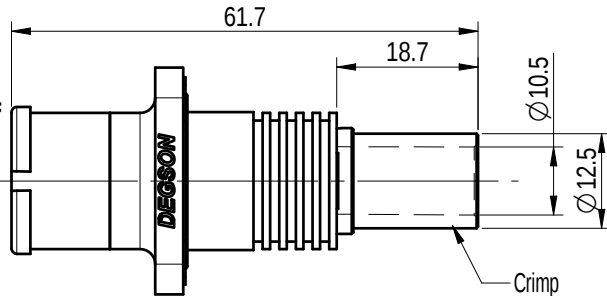
6



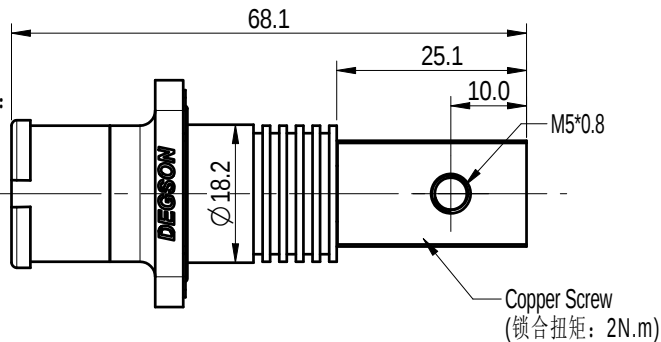
其他接线方式：形式一：



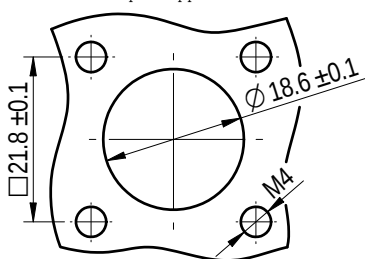
形式二：



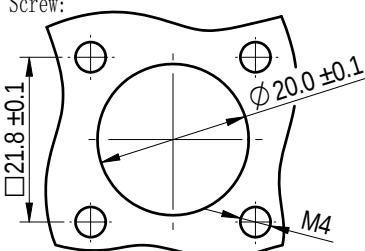
形式三：



Busbar, Crimp, Copper Screw:



Screw:

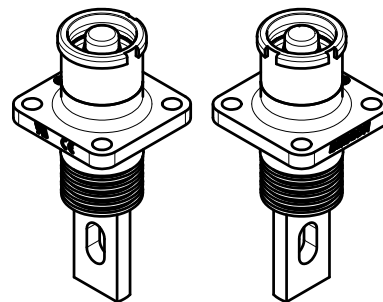


Recommended
Panel Cut-Out

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
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	1/0AWG or 50mm²
建议剥线长度/Suggested stripping length	13~14mm (Crimp type)
线径Ø/Wire diameter	12.5~14mm (Crimp type)
额定电压/Rated voltage	1500V DC
额定电流/Rated current	200A
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
满足户外使用/Satisfy outdoor use	Yes

仅Busbar的形式3D展示:



ESS-200A-50-X-XX-XX

KEYWAY:90:90° 正极
18:180° 负极

COLOR:BK:BLACK 负极
OR:ORANGE 正极
RD:RED 正极

CONTACT TERMINATION:B:Busbar
S:Screw
C:Crimp
B/S:Copper Screw



MATERIAL:	SURFACE/COLOR:
MAT NO./REV:	MAT STATUS:
APPD: 刘剑 2024.01.24	NAME
CHKD: 于进海 2024.01.21	ESS-200A-50-X-XX-XX
DRFT: 张晓璐 2024.01.17	DRAWING NO.
200269867	TYPE
CUSTOMER DRAWING	DRAWING STATUS
SCALE	SHEET
1:1	1/1

01	ECN	DESCRIPTION	DRFT	DATE
REV	ECN	DESCRIPTION	DRFT	DATE

1

2

3

4

5

6