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FOR-1755 Rev.1.3

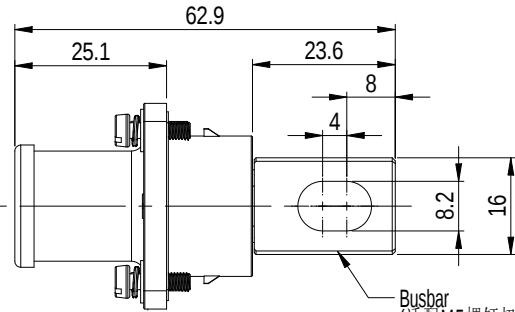
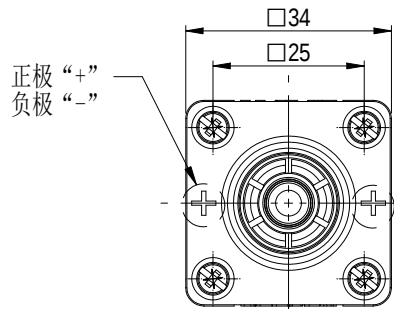
2

3

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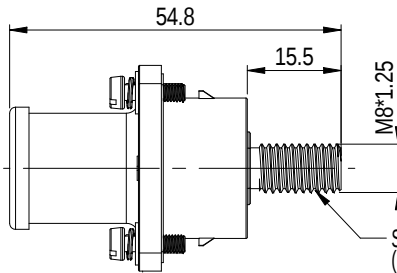
5

6



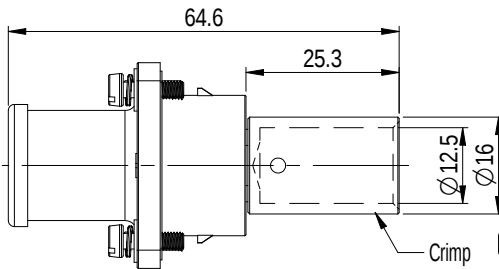
Busbar  
(适配M5螺钉扭矩: 6N.m)

其他接线方式: 形式一:

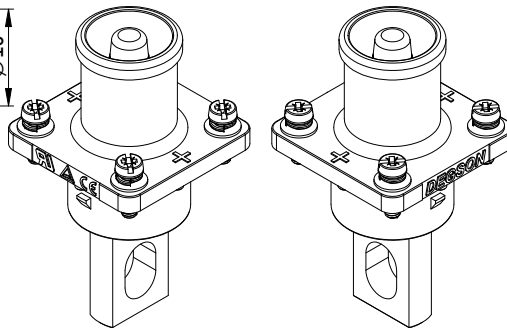


Screw  
(锁合扭矩: 2-3N.m)

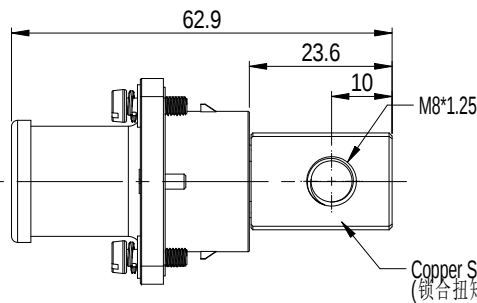
形式二:



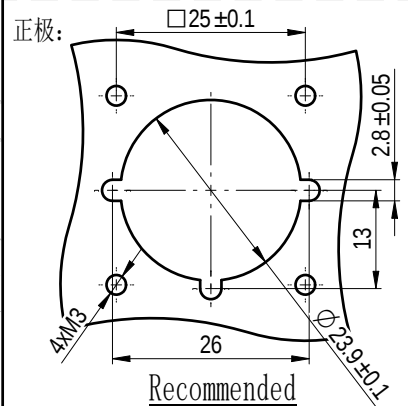
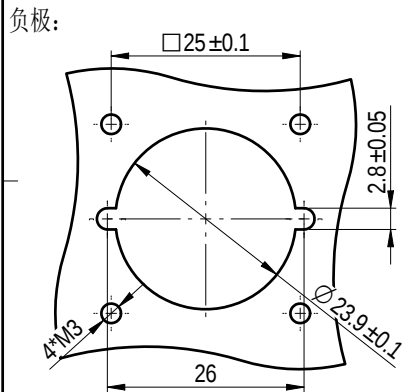
仅Busbar的形式3D展示:



形式三:



Copper Screw  
(锁合扭矩: 6N.m)



Recommended  
Panel Cut-Out

| 尺寸公差(mm) |       |       |       |       | 0.05/10<br>±1' |
|----------|-------|-------|-------|-------|----------------|
| 0        | >30   | >60   | >100  | >150  |                |
| ~30      | ~60   | ~100  | ~150  | ~150  |                |
| ±0.20    | ±0.30 | ±0.50 | ±0.70 | ±1.00 |                |

| 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                       | M3/0.4~0.7N.m                        |
| 接线规格/Wiring specifications                  | 2/0AWG or 70mm²                      |
| 建议剥线长度/Suggested stripping length           | 19~21mm (Crimp type)                 |
| 线径OD/Wire diameter                          | 15.5~17mm (Crimp type)               |
| 额定电压/Rated voltage                          | 1500V DC                             |
| 额定电流/Rated current                          | 250A                                 |
| 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                                  |



ESS-250A-70-X-XX-XX

02: 负极  
03: 正极

Color: BK : Black  
OR : Orange  
RD : Red

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

| DEGSON       |            | MATERIAL:           | SURFACE/COLOR:   |
|--------------|------------|---------------------|------------------|
| MAT NO./REV: |            | /                   | MAT STATUS:      |
| APPD: 刘剑     | 2024.01.24 | NAME                |                  |
| CHKD: 于进海    | 2024.01.21 | ESS-250A-70-X-XX-XX |                  |
| DRFT: 张晓瑶    | 2024.01.17 | DRAWING NO.         | TYPE             |
| REV          | ECN        | 200270377           | CUSTOMER DRAWING |
| DESCRIPTION  |            | DRAWING STATUS      | SCALE            |
| DRFT         |            | 1:1                 | SHEET            |
| DATE         |            | 1/1                 | 1/1              |