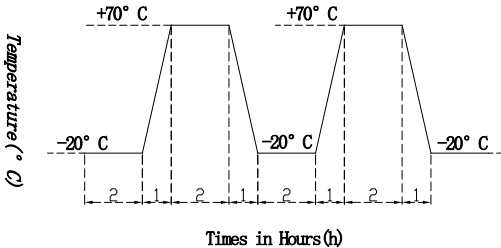


## SPECIFICATION

|                                                                                                                                            |                                                     |                                                                                                                                                                             |                                                                                                                                                                   |
|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DESIGNATION                                                                                                                                |                                                     | 系列: H25414&H25083T&H25082T                                                                                                                                                  |                                                                                                                                                                   |
| MODEL                                                                                                                                      |                                                     | 名称: Micro Quadlok System Pin-and Socket Housingwith integrated Retainer                                                                                                     |                                                                                                                                                                   |
| 1. RATING                                                                                                                                  |                                                     | 额定值: DC 30V 2.0A                                                                                                                                                            |                                                                                                                                                                   |
| 2. CONSTRUCTION DIMENSION 结构尺寸:                                                                                                            |                                                     | Apply to the appended drawing: 符合附加图纸                                                                                                                                       |                                                                                                                                                                   |
| 3. APPEARANCE 外 观:                                                                                                                         |                                                     | Have no remarkable damage ,crack and rust etc:<br>无明显损伤, 裂纹, 锈迹等.                                                                                                           |                                                                                                                                                                   |
| 4. TEST CONDITION 测试条件: Standard test conditions shall be 5 to 35℃ in temperature and 45 to 85%in humidity.<br>温度 5~35℃, 湿度 45~85%标准状态下测试. |                                                     |                                                                                                                                                                             |                                                                                                                                                                   |
| ITEM 专案                                                                                                                                    |                                                     | TEST CONDITION 测试条件                                                                                                                                                         | SPECIFICATION 规格                                                                                                                                                  |
| 5. ELECTRONICAL CHARACTERISTICS. 电气性能.                                                                                                     |                                                     |                                                                                                                                                                             |                                                                                                                                                                   |
| 5A                                                                                                                                         | CONTACT RESISTANCE<br>接触阻抗                          | Being measured at 1KHz small current contact resistance meter.<br>在 1KHZ 小电流下测量.                                                                                            | 30mΩ max<br>30 毫欧以下.                                                                                                                                              |
| 5B                                                                                                                                         | INSULATION RESISTANCE<br>绝缘阻抗                       | Measurements shall be made following application of DC500V potential across terminals and across terminals and frame for 1 minute.<br>在端子之间和端子与壳之间加 DC 500V 条件下, 持续 1 分钟测量. | 100MΩ min<br>100 兆欧以上.                                                                                                                                            |
| 5C                                                                                                                                         | WITHSTAND VOLTAGE<br>耐电压                            | AC 500V (50Hz or 60Hz) shall be applied across terminals and across terminals and frame for one minute.<br>在端子之间和端子与壳之间加 AC 500V (50HZ 或 60HZ) 条件下, 持续 1 分钟测量.              | There shall be no breakdown.<br>无击穿现象出现.                                                                                                                          |
| 6. MECHANICAL CHARACTERISTICS. 机械性能.                                                                                                       |                                                     |                                                                                                                                                                             |                                                                                                                                                                   |
| 6A                                                                                                                                         | Terminal/Housing Retention Force<br>端子与塑胶的保持力       | Apply axial pull out force at the speed rate of 25±3mm/minute on the terminal assembled in the housing.<br>以 25±3mm/分钟的速度对装配在塑胶中的端子施加轴向拉力.                                  | Retention Force min. 60 N<br>保持力最小 60 N                                                                                                                           |
| 6B                                                                                                                                         | Engaging- and separating forces of connector<br>插拔力 | Insert and withdraw connectors at the speed rate of 25 ± 3mm/minute.<br>以 25±3mm/分钟的速度对连接器插拔                                                                                | Insertion 插入<br>2 pos. max. 27 N<br>3 pos. max. 35 N<br>6 pos. max. 59 N<br>Withdrawal (1st cycle) 拔出<br>2 pos. min. 20 N<br>3 pos. min. 20 N<br>6 pos. min. 20 N |

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| ITEM 专案             |                                    | TEST CONDITION 测试条件                                                                                                                                                                                      | SPECIFICATION 规格                                                                                                                                                                                        |
|---------------------|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7. DURABILITY. 耐久性. |                                    |                                                                                                                                                                                                          |                                                                                                                                                                                                         |
| 7A                  | LIFE TEST.<br>寿命试验                 | 5,000 cycles of operation at a rate of 20-30 cycles per minute with unloading.<br>无负载条件下, 每分钟 20-30 次的速度操作 5,000 次。                                                                                      | (1). Contact resistance 50mΩ max. 接触电阻 50 毫欧以下<br>(2). Insulation resistance. 100MΩ min.<br>绝缘电阻 100 兆欧以上                                                                                               |
| 7B                  | HEAT TEST.<br>耐热试验                 | 85±2℃ for 48 hours after test keep in normal condition for 30 minutes.<br>在 85±2℃ 环境中放 48 小时, 再放在正常环境中 30 分钟后进行测试。                                                                                       | (3). There shall be no sign of damage mechanically and electrically.<br>无任何迹象显示机械及电器性能之损坏。                                                                                                              |
| 7C                  | HUMIDITY TEST.<br>耐湿试验             | The condition of temperature 40 ± 2℃ and humidity 90-95% for 48 hrs. after test keep in normal condition for 30 min.<br>在温度 40±2℃, 湿度 90-95% 环境中放 48 小时, 再放在正常环境中 30 分钟后进行测试。                            |                                                                                                                                                                                                         |
| 7D                  | COLD TEST.<br>耐冷试验                 | At - 40±2℃ for 48 hrs. after test keep in normal condition for 30 min.<br>在 -40±2℃ 环境中放 48 小时, 再置于正常环境中 30 分钟后进行测试。                                                                                      |                                                                                                                                                                                                         |
| 7E                  | Temperature cycling test<br>温度交变试验 | In FIG. For 5 cycles, test after keeping in normal condition for 30 min.<br>如图示之环境中循环 5 次后, 再置于正常环境中 30 分钟后进行测试。<br> | (1). Contact resistance 50mΩ max. 接触电阻 50 毫欧以下<br>(2). Insulation resistance. 100MΩ min.<br>绝缘电阻 100 兆欧以上<br>(3). There shall be no sign of damage mechanically and electrically.<br>无任何迹象显示机械及电器性能之损坏。 |

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| ITEM 专案 |                   | TEST CONDITION 测试条件                                                                                                                                                                                                                                                                                                                                                                                                             | SPECIFICATION 规格                                                         |
|---------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| 7F      | Salt Mist<br>盐雾试验 | 在以下设定条件下进行测量:<br>The switch shall be checked after following test:<br>(1) 温度: $35^{\circ}\text{C} \pm 2^{\circ}\text{C}$<br>temperature: $35^{\circ}\text{C} \pm 2^{\circ}\text{C}$<br>(2) 盐溶液浓度: $5 \pm 1\%$ (品质百分比)<br>salt solution : $5 \pm 1\%$ (solids by mass)<br>(3) 时间: $24\text{h} \pm 1\text{h}$<br>Time: $24\text{h} \pm 1\text{ hour}$<br>实验后的盐沉积物后水冲掉 After test, salt deposit shall be removed by running water. | 金属件上没有腐蚀斑点<br>No remarkable corrosion shall be recognized in metal part. |
|         |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                          |
|         |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                          |

## 8. Others

When the amendment of this specification comes into necessity, the amendment must be made by the mutual consultation and agreement between manufacturer and customer.

当规格书需要修正时, 需客户同厂方共同确认.

|                         |                         |                         |
|-------------------------|-------------------------|-------------------------|
| DGN. 制表人: Deyan. Zhai   | CKD. 校 对: Make          | APPD. 审 核: Aren         |
| DATE. 日 期: 2021. 12. 27 | DATE. 日 期: 2021. 12. 27 | DATE. 日 期: 2021. 12. 27 |