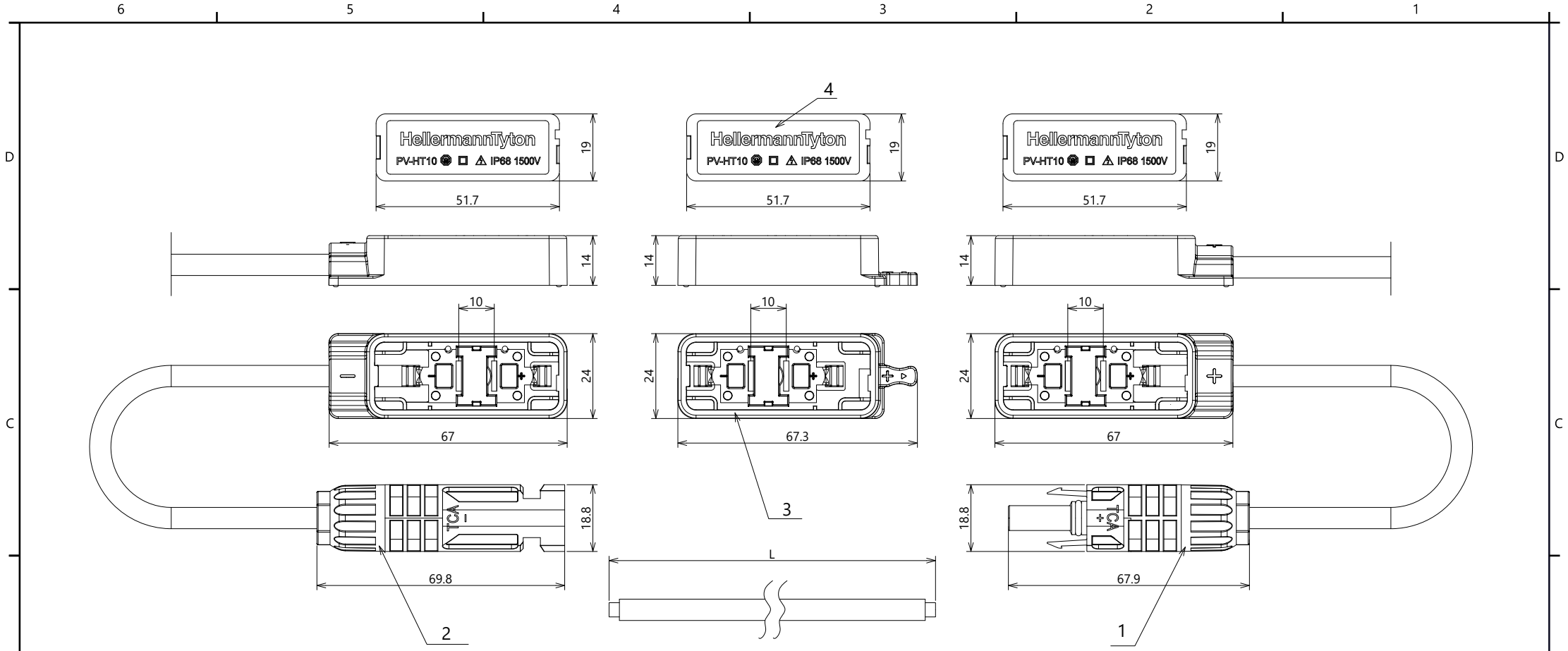




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| 描述    | 接线盒     | Description          | Junction Box | General Dimnsional Tolerance |      | No. | Product Type     | Drawing No.     | Qty. |
|-------|---------|----------------------|--------------|------------------------------|------|-----|------------------|-----------------|------|
| 接触电阻  | ≤5mΩ    | Contact Resistance   | ≤5mΩ         | > 0-3                        | ±0.2 | 1   | PV-HT10-POS-ASSY | 23-1328-002-CSC | 1    |
| 防护等级  | IP68    | Water-proof Degree   | IP68         | > 3-6                        | ±0.3 | 2   | PV-HT10-NEG-ASSY | 23-1328-003-CSC | 1    |
| 描述    | 连接器     | Description          | Connector    | > 6-10                       | ±0.4 | 3   | PV-HT10-MID-ASSY | 23-1328-004-CSC | 1    |
| 接触电阻  | ≤5mΩ    | Contact Resistance   | ≤5mΩ         | > 10-30                      | ±0.5 | 4   | PV-HT10-COVER    | 23-1328-005-CSC | 3    |
| 导体电阻  | ≤5.09mΩ | Conductor Resistance | ≤5.09mΩ      | > 30-50                      | ±0.6 |     |                  |                 |      |
| 拔出力 ② | ≥200N   | Pullout Force ②      | ≥200N        | > 50-80                      | ±0.9 |     |                  |                 |      |
| 线缆压接力 | ≥310N   | Crimping Force       | ≥310N        | > 80-250                     | ±1.5 |     |                  |                 |      |
| 线缆长度  | L±T mm  | Wire Length          | L±T mm       | Angle                        | ±1°  |     |                  |                 |      |

|   |                |                |                   |                 |                  |   |                                                                                     |                                                               |                                                      |  |                   |   |           |  |                         |  |   |                 |  |
|---|----------------|----------------|-------------------|-----------------|------------------|---|-------------------------------------------------------------------------------------|---------------------------------------------------------------|------------------------------------------------------|--|-------------------|---|-----------|--|-------------------------|--|---|-----------------|--|
| A | Revision Level |                |                   | Revision Record |                  |   |  | The copyright of this drawing is reserved by HellermannTyton. | Drawn                                                |  | Date (YYYY/MM/DD) |   |           |  |                         |  | A |                 |  |
|   | Drawing        | State          |                   | Part            | 3. Merge drawing |   |                                                                                     |                                                               | Daniel.Guo                                           |  | 2023/05/19        |   | Title     |  | Scale 1:1.5             |  |   |                 |  |
|   | 03.1           | Design Release |                   | -               |                  |   |                                                                                     |                                                               | Approved                                             |  | Date (YYYY/MM/DD) |   |           |  |                         |  |   |                 |  |
|   | Changed        |                | Date (YYYY/MM/DD) |                 |                  |   |                                                                                     |                                                               | All drawing revisions are stored in CAD PDM database |  | Robert.Zhu        |   |           |  |                         |  |   | 2023/05/19      |  |
|   | Elijah.Liang   |                | 2023/09/01        |                 | Units            |   | HellermannTyton                                                                     |                                                               |                                                      |  | Drawing-No        |   | Format A4 |  |                         |  |   |                 |  |
|   | Approved       |                | Date (YYYY/MM/DD) |                 | mm               |   |                                                                                     |                                                               |                                                      |  |                   |   |           |  | www.HellermannTyton.com |  |   | 23-1328-001-CSC |  |
|   | Robert.Zhu     |                | 2023/09/02        |                 |                  |   |                                                                                     |                                                               |                                                      |  |                   |   |           |  |                         |  |   |                 |  |
| 6 |                |                | 5                 |                 |                  | 4 |                                                                                     |                                                               | 3                                                    |  |                   | 2 |           |  | 1                       |  |   |                 |  |

|      |            |                      |            |                      |                                                                               |
|------|------------|----------------------|------------|----------------------|-------------------------------------------------------------------------------|
| L    | Code<br>代码 | Cable Length<br>线缆长度 | Code<br>代码 | Cable Length<br>线缆长度 | Remark<br>备注                                                                  |
|      | 0300       | 300mm                | 1700       | 1700mm               | Define the cable length according to customer requirements.<br>电缆长度可根据客户要求确定。 |
|      | 0350       | 350mm                | 1750       | 1750mm               |                                                                               |
|      | 0400       | 400mm                | 1800       | 1800mm               |                                                                               |
|      | 0450       | 450mm                | 1850       | 1850mm               |                                                                               |
|      | 0500       | 500mm                | 1900       | 1900mm               |                                                                               |
|      | 0550       | 550mm                | 1950       | 1950mm               |                                                                               |
|      | 0600       | 600mm                | 2000       | 2000mm               |                                                                               |
|      | 0650       | 650mm                | 2050       | 2050mm               |                                                                               |
|      | 0700       | 700mm                | 2100       | 2100mm               |                                                                               |
|      | 0750       | 750mm                | 2150       | 2150mm               |                                                                               |
|      | 0800       | 800mm                | 2200       | 2200mm               |                                                                               |
|      | 0850       | 850mm                | 2250       | 2250mm               |                                                                               |
|      | 0900       | 900mm                | 2300       | 2300mm               |                                                                               |
|      | 0950       | 950mm                | 2350       | 2350mm               |                                                                               |
|      | 1000       | 1000mm               | 2400       | 2400mm               |                                                                               |
|      | 1050       | 1050mm               | 2450       | 2450mm               |                                                                               |
|      | 1100       | 1100mm               | 2500       | 2500mm               |                                                                               |
|      | 1150       | 1150mm               | 2550       | 2550mm               |                                                                               |
|      | 1200       | 1200mm               | 2600       | 2600mm               |                                                                               |
|      | 1250       | 1250mm               | 2650       | 2650mm               |                                                                               |
|      | 1300       | 1300mm               | 2700       | 2700mm               |                                                                               |
|      | 1350       | 1350mm               | 2750       | 2750mm               |                                                                               |
|      | 1400       | 1400mm               | 2800       | 2800mm               |                                                                               |
|      | 1450       | 1450mm               | 2850       | 2850mm               |                                                                               |
|      | 1500       | 1500mm               | 2900       | 2900mm               |                                                                               |
| 1550 | 1550mm     | 2950                 | 2950mm     |                      |                                                                               |
| 1600 | 1600mm     | 3000                 | 3000mm     |                      |                                                                               |
| 1650 | 1650mm     |                      |            |                      |                                                                               |

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Note:

1. Smooth appearance, uniform color, no stains, no cracks, no damage, no flash.  
外观光滑，色泽均匀，无污渍、无裂纹、无破损、无飞边。
2. No rust, no damage, no deformation of metal parts.  
金属件不生锈、不损坏、不变形。
3. Clear surface engraving, no leakage, positive and negative marks accurate, no omissions.  
表面刻字清晰，无漏刻，正负标记准确，无遗漏。
4. The connectors and junction boxes marked with "+" and "-" are installed correctly, and the diodes are installed firmly without shaking.  
标有"+"和"-"的连接器和接线盒安装正确，二极管安装牢固，无晃动。
5. The positive and negative plugs on the junction box cannot directly contact the silicone that has not been cured for 5 hours.  
接线盒上的正负插头不能直接接触未经过5小时固化的硅胶。

Product Name( 产品名称): PV-HT10-SET-LD

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 $\rightarrow L:$ 

0300 : means 300mm Cable;  
表示 300mm 长的线缆;  
0500 : means 500mm Cable;  
表示 500mm 长的线缆;  
2000 : means 2000mm Cable.  
表示 2000mm 长的线缆。  
And so on.  
以此类推。

|                                          |      |         |         |          |           |           |           |                                                      |
|------------------------------------------|------|---------|---------|----------|-----------|-----------|-----------|------------------------------------------------------|
| Cable length: L<br>线缆长度<br>(mm)          | ≤100 | 101~500 | 501~900 | 901~1300 | 1301~1800 | 1801~2500 | 2501~3500 | REMARK                                               |
| Dimensional tolerance: T<br>尺寸公差<br>(mm) | ±5   | ±10     | ±15     | ±20      | ±25       | ±30       | ±35       | The priority is the customer tolerance<br>优先以客户公差为标准 |

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| Revision Level |                |                   | Revision Record  |             |   |  | Drawn                                                         |  | Date (YYYY/MM/DD) |  |            |  |                               |  |
|----------------|----------------|-------------------|------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------|--|-------------------|--|------------|--|-------------------------------|--|
| Drawing        | State          | Part              | 3. Merge drawing |             |                                                                                                                                                                         |  | The copyright of this drawing is reserved by HellermannTyton. |  | Daniel.Guo        |  | 2023/05/19 |  | Title                         |  |
| 03.1           | Design Release | -                 |                  |             | Approved                                                                                                                                                                |  |                                                               |  | Date (YYYY/MM/DD) |  |            |  |                               |  |
| Changed        |                | Date (YYYY/MM/DD) |                  |             | All drawing revisions are stored in CAD PDM database                                                                                                                    |  |                                                               |  | Robert.Zhu        |  | 2023/05/19 |  | Drawing-No<br>23-1328-001-CSC |  |
| Elijah.Liang   |                | 2023/09/01        |                  | Units<br>mm |                                                                                                                                                                         |  | <div>HellermannTyton</div> <div>www.HellermannTyton.com</div> |  |                   |  |            |  |                               |  |
| Approved       |                | Date (YYYY/MM/DD) |                  |             |                                                                                                                                                                         |  |                                                               |  |                   |  |            |  |                               |  |
| Robert.Zhu     |                | 2023/09/02        |                  |             |                                                                                                                                                                         |  |                                                               |  |                   |  |            |  |                               |  |