



## EW-LP12 Series Waterproof Connectors Datasheet

### 1 Product name: EW-LP12 series waterproof connectors



### 2 Materials and Processes

| Part categories | Material                 | Processes                         |
|-----------------|--------------------------|-----------------------------------|
| Contact         | Male Pin: Copper Alloy   | Gold-Plated                       |
|                 | Female Pin: Copper Alloy |                                   |
| Housing         | PBT/ Zinc Alloy          | Injection Molding/<br>Die Casting |
| Insulator       | PBT                      | Injection Molding                 |
| Seal            | Silicone                 | Solid State Pressing              |

### 3 Product Introduction

This product's technical performance is in compliance with international standards such as UL, TUV; the locking mechanism of the male and female ends with one key pluggable design, which has the advantages of safe and secure locking, smooth plugging and unplugging, and the number of repeat plugging and unplugging can exceed 1900 times; the shell is made of high-performance PBT engineering plastic, ensuring the product has stable electrical performance, as well as excellent physical and chemical properties such as high-temperature resistance and corrosion resistance; at the same time, the conductive parts are processed with a gold plating surface treatment, offering excellent conductivity and meeting the product's temperature rise requirements even in high-temperature environments.

This series of products offers a variety of models, providing a choice of 2 to 8 conductors.

Compliance standards: Meets UL, TUV, and other standards



- 4 The Inner cores of the LP12 series products can be swapped between male and female configurations.



Cable Mount  
Male Plug

Cable Mount  
Female Socket

Flange mount  
female Socket

Panel mount  
female Socket



Cable Mount  
Female Plug

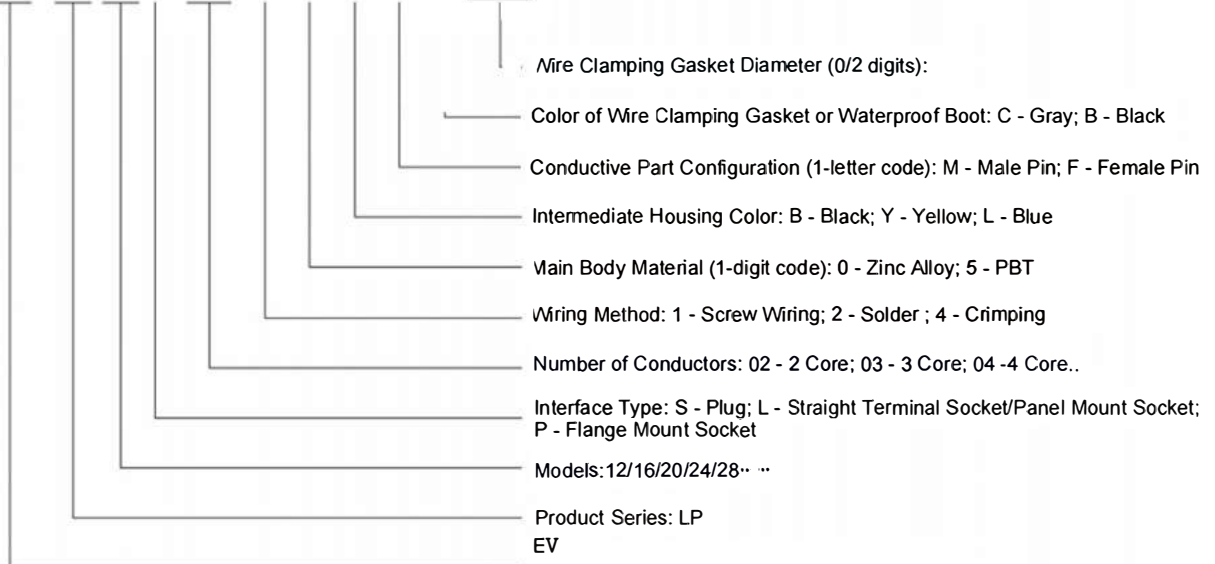
Cable Mount  
Male Socket

Flange mount  
Male Socket

Panel mount  
Male Socket

#### 4.1 Product Coding Rules

EW-LP##X-XX X X X X X XX

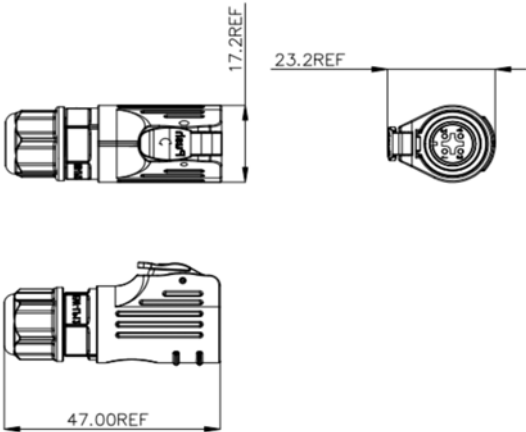


4.2 Installation Requirements

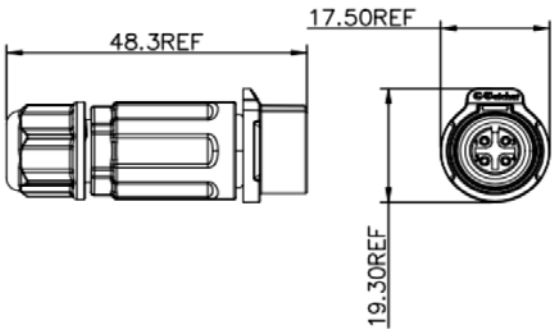
4.2.1

**Soldering Style:** The wire is connected to the product using a soldering method, which should be securely

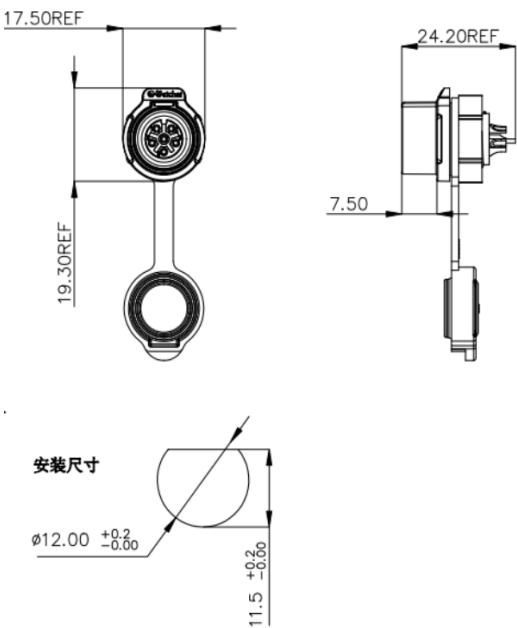
● EW-LP12S-#P



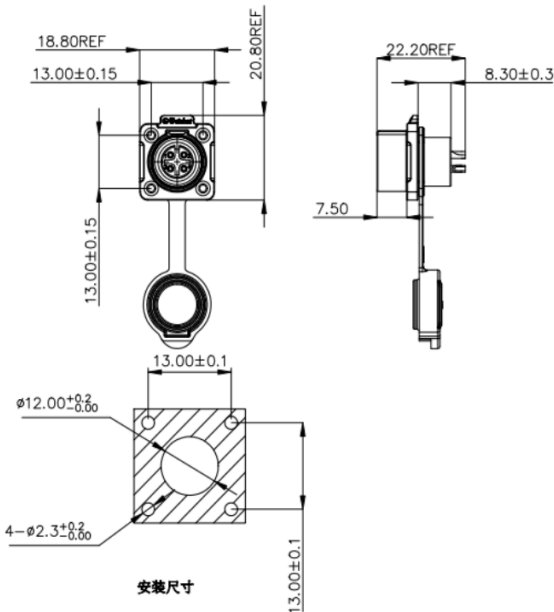
● EW- LP12L-#P



● EW- LP12L-#P



● EW- LP12P-#P



5 Product Performance

| Part Number | EW-LP12-2P | EW-LP12-3P | EW-LP12-4P | EW-LP12-5P | EW-LP12-6P | EW-LP12-7P | EW-LP12-8P |
|-------------|------------|------------|------------|------------|------------|------------|------------|
|-------------|------------|------------|------------|------------|------------|------------|------------|

Image

Wiring