

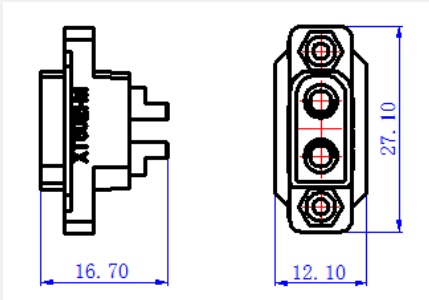
## Product Overview Description

XT60 series products with fixing screw holes can be installed on the device housing and are compatible with other XT60 series products.

## Application Module

☐ Lithium Battery    ☐ Motor    ☒ Controller    ☐ Charger    ☐ Other

## Product Diagram

| Model                          | Product images                                                                    | Appearance drawing                                                                  |
|--------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| XT60E1-M. G. * /<br>XT60E-M. * |  |  |

## Specifications

| Material      | Specification | Plating                   | Coating thickness     |
|---------------|---------------|---------------------------|-----------------------|
| Metal         | H59-1         | G:Thick gold plating (Au) | 0.03μm                |
| Material      | Specification | Color                     | Flame retardant grade |
| Plastic shell | PA66          | *:Y = Yellow              | UL94-V0               |

## Characteristics table

| Electrical properties    | Test method   | Characteristic   |
|--------------------------|---------------|------------------|
| Withstand voltage        | UL1977        | DC 500V          |
| Rated current contact    | UL1977        | 20A 16#          |
| Resistance insulation    | GB/T5095.2    | 0.60mΩ           |
| Resistance               | GB/T5095.2    | 2000MΩ           |
| Instantaneous current    | &A 1min <80°C | 40A 16#          |
| Temperature rise         | UL1977        | 20A 4h <60°C 16# |
| Creepage distance        | GB/T2900.18   | 2.90mm           |
| Mechanical properties    | Standard      | Characteristic   |
| Insertion force          | GB/T5095.8    | 1.8kg-4.5kg      |
| Pull-out                 | GB/T5095.8    | 1.8kg-4.5kg      |
| Force and plug-in life   | GB/T5095.1    | 100 times        |
| Protection level         | GB/T4208      | IP40             |
| Environmental properties | Standard      | Characteristic   |
| Operating temperature    | GB/T 2423.3   | -20°C to 120°C   |
| Salt spray test          | GB/T 2423.17  | 48h              |

## Wiring Recommendations

| AWG | Temperature rise 60°C | Temperature rise 85°C |
|-----|-----------------------|-----------------------|
| 12# | 40A                   | 45A                   |
| 14# | 30A                   | 35A                   |
| 16# | 25A                   | 30A                   |

## Optional Instructions

☐ With back cover

☐ With buckle

☐ Waterproof ☐ Anti-fire

## Certification of qualifications

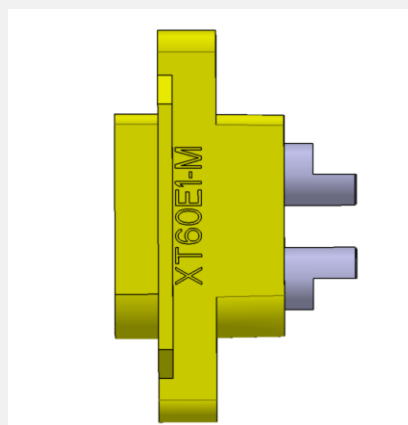
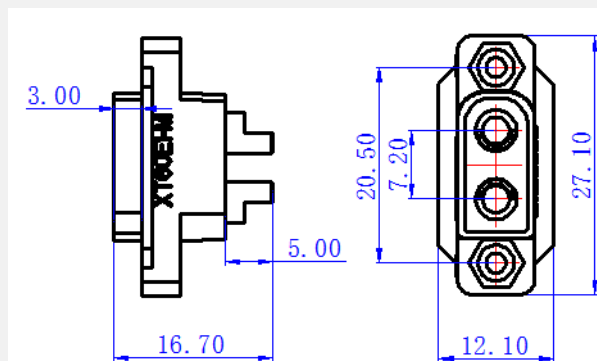
☐ UL

☐ CE

☒ RoHS 2.0

☐ Reach

## Installation Recommendations



**Note:** When

using, do not exceed the rated current and voltage.



- Current and voltage overloads can cause malfunctions and accidents.
  - If you plug or unplug the connector while it is powered on, it may cause malfunctions and accidents.
- You plug or unplug the connector when the power is off.

Do not use the connector while applying external force.



- Do not power on the connectors and wires when they are under stress. If they are subjected to excessive external force, they may break and Malfunctions and accidents may occur, so please do not use it in this situation.
  - The connector is designed as a connecting part of the circuit, so do not use the connector as a component of the housing.
- Used as part of a structure.

Please confirm the usage environment



- Do not use in places with high temperature or high humidity.
- If the environment is not specified in the specification, it may cause malfunction.

Use in case of

Please use with caution



- The connector is a precision component, please be careful when using it.
- Please be careful when opening the package, even if it is packed with carrier tape and packaging tube.

The product will still cause the terminals to deform, bend, or fall out after being hit hard.