

## Overview

### Product information



## ESP-120A-25-OR-00-20160000014

Energy storage connector, Product range: ESP plug, color: orange, Wire cross section: 25 mm<sup>2</sup>, Rated voltage: 1500V, Rated current: 120 A, Connection method: crimped, Contact type: hole type, min. Cable diameter: 9 mm, Max. Cable diameter: 10.5 mm

### Product advantages

- ☒ Exclusive patents
- ☒ IP67 protection
- ☒ With safety locking latch
- ☒ The plug can rotate 360° after assembled
- ☒ The socket is with hand-proof protection
- ☒ With color-coded and mechanism-coded design avoiding misplug

### Product certification



## Technical data

### Product drawing

### 3D model

□

### Wiring data

|                        |                          |
|------------------------|--------------------------|
| Cable sectional area   | 4AWG(25mm <sup>2</sup> ) |
| Number of connections  | 1                        |
| Cable outer diameter   | 9~10.5mm                 |
| Cable stripping length | 13~14mm                  |
| Wiring mode            | Crimp                    |

### Environment condition

|                                              |                |
|----------------------------------------------|----------------|
| Protection grade (pair plug)                 | IP67           |
| Ambient temperature (operation)              | -40°C ~ +125°C |
| Ambient temperature (storage/transportation) | -40°C ~ +80°C  |
| Altitude                                     | 2000m          |

Mechanical properties

|                 |      |
|-----------------|------|
| Plugging times  | 100  |
| Insertion force | <60N |
| Pullout force   | >10N |

Standards and specifications

|                        |        |
|------------------------|--------|
| Standard/Specification | UL4128 |
|------------------------|--------|

Material data

|                                  |                           |
|----------------------------------|---------------------------|
| Insulating material              | Nylon                     |
| Clamping ring material           | Silicone                  |
| O-ring material                  | Silicone                  |
| Halogen-free                     | Compliance with standards |
| Environmental protection matters | REACH/RoHS compliant      |
| Contact material                 | Copper alloy              |
| Shell color                      | Orange                    |
| Flammability rating              | UL94V-0                   |

Electrical parameters

|                       |            |
|-----------------------|------------|
| Pollution level       | 3          |
| Rated current         | 120A       |
|                       | UL DC1500V |
| Insulation resistance | >5000MΩ    |
| Contact resistance    | ≤0.5mΩ     |

Accessories

| Business data                       |             |
|-------------------------------------|-------------|
| Order number                        | 20160000014 |
| Packing unit                        | 30          |
| Minimum order quantity              | 50          |
| Products weight (without packaging) | 38          |