

## Overview

## Product information

**ESP-100A-16-OR-00-20160000018**

Energy storage Connector, Product range: ESP plug, color: orange, Wire cross section: 16 mm<sup>2</sup>, Rated voltage: 1500V, Rated current: 100 A, Connection method: crimp, Contact type: hole type, min. Cable diameter: 7.5 mm, Max. Cable diameter: 9 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

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## Wiring data

Cable sectional area	6AWG(16mm <sup>2</sup> )
Number of connections	1
Cable outer diameter	7.5~9mm
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
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#### 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	UL DC1500V
	100A
Insulation resistance	>5000MΩ
Contact resistance	≤0.5mΩ

Accessories

Business data

Order number	20160000018
Packing unit	30
Minimum order quantity	50
Products weight (without packaging)	38