

## Overview

### Product information



## ESS-100A-16-C-OR-00-20160000036

Energy Storage Connector, Product range: ESS socket, Color: orange, Wire cross section: 16 mm<sup>2</sup>, Rated voltage: 1500V, Rated current: 100 A, Connection method: Crimp, Contact type: Pin

### 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

Wiring mode

Crimp

### Environmental conditions

Operating ambient temperature (including temperature rise)

-40°C - 125°C

### Environment condition

Protection grade (pair plug)

IP67

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

## Electrical parameters

Pollution level	3
Rated current	UL DC1500V
	100A
Insulation resistance	>5000M $\Omega$
Contact resistance	$\leq 0.5\text{m}\Omega$

## Accessories

## Business data

Order number	20160000036
Packing unit	32
Minimum order quantity	50
Products weight (without packaging)	26.2