

### Overview

#### Product information



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

Energy Storage Connector, Product range: ESS socket, Color: orange, Wire cross section: 16 mm², Rated voltage: 1500V, Rated current: 100 A, Connection method: Crimp, Contact type: Needle

#### Product advantages

- ☑ Exclusive patents
- ☑ IP67 protection
- ☑ With safety locking latch
- ☑ The plug can rotate 360° after assembled
- ☑ The socket is with hand-proof protection
- $\ensuremath{\mbox{\sc W}}$  With color-coded and mechnism-coded desgin avoiding misplug

#### Product certification





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3D model

## Wiring data

Wiring mode	Crimp
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#### **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
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
Nated Current	100A
Insulation resistance	>5000MΩ
Contact resistance	≤0.5mΩ

# Accessories

## Business data

Order number	20160000036
Packing unit	32

Minimum order quantity	50
Products weight (without packaging)	26.2