

## Overview

### Product information



### ESS-100A-16-S-BK-00-20160003076

Energy Storage Connector, Product range: ESS socket, Color: Black, Wire cross section: 16 mm<sup>2</sup>, Rated voltage: 1500V, Rated current: 100 A, Connection method: Screw, 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
- ☒ 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

Screw

### 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
Halogen-free	Compliance with standards
Environmental protection matters	REACH/RoHS compliant
Sealing ring material	Silicone
Contact material	Copper alloy
Shell color	Black
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	20160003076
Packing unit	32

Minimum order quantity	50
Products weight (without packaging)	22.65