

## Overview

### Product information



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

Energy Storage Connector, Product range: ESS socket, Color: Black, Wire cross section: 16 mm², 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

□

### 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 |
|------------------------|--------|

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 |