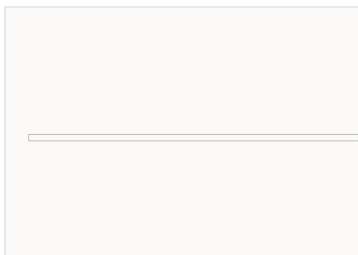


## Overview

## Product information

**ESS-120A-25-B/S-BK-00-20160000042**

Energy Storage Connector, Product range: ESS socket, Color: black, Wire cross section: 25 mm<sup>2</sup>, Rated voltage: 1500V, Rated current: 120 A, Connection method: Busbar/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

Busbar/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         | 120A       |
|                       | UL DC1500V |
| Insulation resistance | >5000MΩ    |
| Contact resistance    | ≤0.5mΩ     |

Accessories

Business data

|              |             |
|--------------|-------------|
| Order number | 20160000042 |
| Packing unit | 32          |

|                                     |    |
|-------------------------------------|----|
| Minimum order quantity              | 50 |
| Products weight (without packaging) | 27 |