

Overview

Product information



ESP-100A-16-BK-00-20160000017

Energy storage Connector, Product range: ESP plug, Color: black, Wire cross section: 16 mm², Rated voltage: 1500V, Rated current: 100 A, Connection method: crimped, Contact type: hole type, Min. Cable diameter: 7.5 mm, Max. Cable diameter: 9 mm

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

Cable sectional area	6AWG(16mm ²)
Number of connections	1
Cable outer diameter	7.5~9mm
Cable stripping length	13~14mm
Wiring mode	Crimp

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
Clamping ring material	Silicone
O-ring material	Silicone
Halogen-free	Compliance with standards
Environmental protection matters	REACH/RoHS compliant
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	20160000017
Packing unit	30
Minimum order quantity	50
Products weight (without packaging)	38