

## Overview

## Product information

**ESP-50A-06-BK-00-20160003090**

Energy storage connector, product range: ESP plug, color: black, wire cross section: 6 mm<sup>2</sup>, rated voltage: 1000V, rated current: 50 A, connection method: crimped, contact type: hole, minimum cable diameter: 4.9mm, maximum cable diameter: 6 mm

## Product advantages

- Degson has its own patented design
- There are no safety locks
- There's a free spin of 360°
- There's no electric shock protection
- There's no wrong insertion or short circuit

## Product certification



## Technical data

## Product drawing

## 3D model

## Wiring data

Cable sectional area	10AWG(6mm <sup>2</sup> )
Number of connections	1
Cable outer diameter	4.9~6.0mm
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	<55N
Pullout force	>10N

#### 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	50A
	1000V
Insulation resistance	>5000MΩ
Contact resistance	≤0.5mΩ

#### Accessories

#### Business data

Order number	20160003090
Packing unit	75
Minimum order quantity	75
Products weight (without packaging)	16.05