

SB50 Connector Contact Terminals by Anderson Power



Price: CAD \$2.69

SKU: PXSB50-1

Product Categories: [APP Anderson PowerPole](#), [Connectors](#), [Shop](#), [Wiring & BOS](#)

Product Tags: [anderson](#), [Anderson power pole](#), [anderson powerpole](#), [anderson sb50](#), [canada](#), [colour](#), [contact](#), [sb50](#), [sb50 canada](#), [terminal](#)

Product Page:

<https://www.modernoutpost.com/product/sb50-connector-contact-terminals-by-anderson-power/>

Product Variants

- SB50 Connector Contact Terminals by Anderson Power - #10AWG ()
- SB50 Connector Contact Terminals by Anderson Power - #8AWG ()
- SB50 Connector Contact Terminals by Anderson Power - #6AWG ()

Product Summary

SB50 SB Series electrical connector contacts.

This contact is used with the 75 amp Powerpole housings and with the SB Series 50 amp housings. Choose your contacts based on the desired wire gauge: #10, #8, or #6AWG.

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What are Anderson SB50 Connectors?

Anderson Power Products SB50 Powerpole connectors are polarized and genderless connectors that are tough, reliable, and easy to use. Popular for DIY wiring projects, portable solar projects, and more.

An SB connector is comprised of (1) colored plastic [housing](#)] and (2) [metal contacts](#). On this page, you are only selecting the contact terminals.

To purchase a mating connector pair, you must order a quantity of two connector housings, and 4 wire contact terminals.

Why SB50 Connectors?

SB Powerpole connectors are Color Keyed

A unique feature of the SB Series Powerpole housings are that they are keyed to only mate with the same colour housing. For example, a grey colour will only connect with the same grey colour SB housing. The Red colour will only connect to a red coloured connector, etc.

The exception for SB50 is the black housing which also mates with the grey housing.

This feature can be used to colour code different voltages or systems and prevent accidental connection.

Gauge Option

SB Series Powerpole connectors are available in a wide range of gauge contact options. It is important that the correct gauge option is chosen to match your cable selection. All gauges shown throughout the Powerwerx website are American Wire Gauge (AWG).

Powerpole connectors are both genderless and polarized connectors

Powerpole connectors are genderless, meaning the supply and load connectors are the same. Since there are no male or female parts, all Powerpole connectors mate with themselves.

Powerpole connectors are polarized, meaning the design is unique to prevent accidental reverse polarity connection. Only the positive (+) can be connected to positive (+) and negative (-) can be connected to negative (-). Connections can be quickly made and remade sightlessly or in the dark.

The Anderson Powerpole SB Series connector family

The Powerpole family spans a range of sizes covering up to 350 amps and accepting a different gauges of wire from 10 thru 4/0 AWG. Here is a size comparison diagram for the 50, 120, 175, 350 amp Powerpole Housings:

High current rating, low resistance

The size of the wire a Powerpole contact will accept is the primary limitation of their ability to carry a load. Powerpole connectors will safely handle higher loads or surges, please read the linked data sheets (PDF) for additional information.

The contacts are made of highly conductive silver-plated copper for minimal contact resistance at high currents. The average contact resistance is 500 micro-ohms.

Flat wiping contact system

This system allows for minimal contact resistance at high current. The self-wiping action cleans contact surfaces during connection/disconnection. The contacts are rated at 10,000 no-load connect/disconnect cycles. When two pairs are mated together, it takes approximately 15 pounds of tension to pull them apart.

Stainless steel spring

Good connectors should not lose contact tension under use or vibration. Powerpole connectors use a stainless steel spring which applies 50 lbs. of pressure to hold the silver-plated copper contacts firmly together and maintain constant contact. This is ideal for frequent connect/disconnect cycles. Other cheaper connectors simply depend upon soft copper that eventually spreads apart and becomes loose.

Durable polycarbonate housing

The Powerpole insulated housings use a durable, high impact-resistant, high temperature polycarbonate plastic with a UL94 V-0 flammability rating. The connector design allows air to flow through the housing, assisting in cooling.

Additional accessories include handles, boots and dust covers

A variety of Powerpole accessories are available including weather resistant dust caps, corrosion proof safety boots, connector handle kits, strain relief cable clamps and more.

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Product Attributes

- Dimensions: 1 × 1 × 1 cm
- Weight: .1 kg
- Wire Gauge: #10AWG, #8AWG, #6AWG