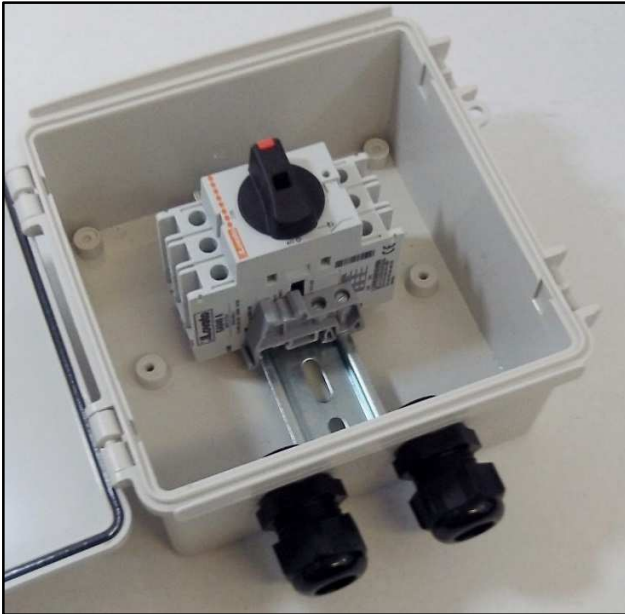




Series: SPDB1

Solar Power (PV) Disconnect Box



FEATURES & BENEFITS

- 3-Pole Switch Rated up to 600V
- 16, 25, 32 or 40 Amp Per Pole Capacity
- NEMA 4X Weatherproof Enclosure
- All UL Compliant Components
- Includes Input / Output Cable Glands

APPLACATIONS

- Multi String Solar Power Systems
- Adds Disconnect Switch Before Inverter

DESCRIPTION

Series SPDB1 Solar Disconnect Box provides the best solution for switching solar photovoltaic (PV) circuits. This series of PV disconnects are available in various configurations of 2 or 3 circuits that feature weatherproof plastic enclosures and string current capacity up to 40 Amps. Some models include Input / Output cable glands that are pre-installed.

All Models Include: UL Listed, Weatherproof Enclosure, Touch-safe 3-Pole Disconnect Switch, Input/output Cable Glands, Safety Label and Mounting Ears



Input/output Cable Glands



Safety Label



Mounting Feet



3-Pole Disconnect

Weatherproof Enclosure

Plastic Blend, UL listed, NEMA 4X Rated enclosure. Design includes gasketed door, plastic hinges and stainless steel mounting feet for outstanding corrosion resistance.

3-Pole Disconnect Switch

Three-pole switch disconnect, 16A to 40A ratings are made up of a single unit body, merely 36mm wide
Rated insulation voltage U_i : 800V, Rated impulse withstand U_{imp} : 8kV, Electrical life in AC21A: 100,000,
Mechanical life: 100,000 operations.

GENERAL SPECIFICATIONS

Operating Temperature: -40 to 130 °F (-40 to 60 °C)

Enclosure: Material: ABS/PC Plastic

Enclosure Rating: NEMA 4X, UL Listed

Enclosure Size: 5.5 x 5.5 x 3.54"



WARNING: Solar Power can produce high levels of voltage and current. To prevent property damage and/or personal injury installation, wiring and maintenance of this product should only be done by a trained licensed professional.

AVAILABLE MODELS

Model Number	SPDB1-16A-2CG	SPDB1-16A-3CG
Switch Poles / Capacity Per Pole	3 / 16 Amps	3 / 16 Amps
Input / Output Wire Size	10-14 AWG (PV Cable)	10-14 AWG (PV Cable)
Cable Glands Installed	2 Each (2-hole)	2 Each (3-hole)

Model Number	SPDB1-25A-2CG	SPDB1-25A-3CG
Switch Poles / Capacity Per Pole	3 / 25 Amps	3 / 25 Amps
Input / Output Wire Size	10-14 AWG (PV Cable)	10-14 AWG (PV Cable)
Cable Glands Installed	2 Each (2-hole)	2 Each (3-hole)

Model Number	SPDB1-32A-2CG	SPDB1-32A-3CG
Switch Poles / Capacity Per Pole	3 / 32 Amps	3 / 32 Amps
Input / Output Wire Size	10-14 AWG (PV Cable)	10-14 AWG (PV Cable)
Cable Glands Installed	2 Each (2-hole)	2 Each (3-hole)

Model Number	SPDB1-40A-2CG	SPDB1-40A-3CG
Switch Poles / Capacity Per Pole	3 / 40 Amps	3 / 40 Amps
Input / Output Wire Size	10-14 AWG (PV Cable)	10-14 AWG (PV Cable)
Cable Glands Installed	2 Each (2-hole)	2 Each (3-hole)

Note: This box can be used to switch one of the following...

- 1-String, Both Positive & Negative Circuits
- 2-Strings, Only Positive Circuits
- 3-Strings, Only Positive Circuits

Models without cable glands installed are available, e-mail us for model number and price.

Note: Continued product improvements make specifications subject to change without notice. Check www.imagineinstruments.com for the latest product information and updates

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