

# Dc Disconnect Switch

LS6R0400 1500 V DC SERIES

1500 V Dc • 400 A • 1 Pole  
1500 V Dc • 400 A • 2 Pole (750 V dc per pole)

REACH EAC CE IEC UL RoHS



2 Pole (Type CB)  
Dc Ungrounded



1 Pole (Type 4D)  
Dc Grounded with handle attached



## Description

The Littelfuse LS6R dc series is an energy-efficient, compact disconnect switch that quickly breaks or resumes the flow of current safely to prevent shock hazards when trying to isolate circuits or repair systems.

## Features/Benefits

- The patented operation system minimizes damage caused by arcs upon disconnection to increase product reliability and longevity
- Streamline design eliminates the need for external bridging links (jumpers) to lower heat dissipation for increased energy efficiency, decreased installation and maintenance time, and reduced footprint for added design flexibility
- High-level disconnection insulation provides a barrier to stop conduction when switch is in off position for added safety
- The self-cleaning blade contacts eliminate performance degradation (from increased electrical resistance over time) to ensure consistent behavior across the product's lifespan
- The internally-located "sandwich-type" 2-contact symmetrical design mitigates the electromagnetic force of repulsion to offer enhanced functionality in short-circuit conditions
- Meets UL 94 flammability requirements with self-extinguishing/non-flammable materials to prevent fires

## Applications

- Solar/PV systems: combiner boxes, recombiner boxes and inverters
- Energy storage systems: disconnection of batteries, containerized batteries
- Oil & gas: dc drives
- Railway: earthing switches and battery disconnection
- UPS: switching and isolation of batteries

## Specifications

### UL 98B Standards

<b>Total Voltage Rating</b>	1500 V dc
<b>Amperage Rating</b>	400 A
<b>SCCR Rating</b>	10 kA
<b>Ambient Temperature</b>	-20 to 50 °C (-4 to 122 °F)

### IEC 60947-3 Standards

<b>Insulation Voltage Rating Ui</b>	1500 V dc
<b>Impulse Withstand Voltage</b>	

<b>Rating Uimp</b>	12 kV
<b>Operational Current DC21B</b>	
<b>Rating</b>	400 A / 1500 V dc

### Other Characteristics

<b>Power Losses at 400 A</b>	2 Pole (CB): 10.58 watts/pole 1 Pole (4D): 10.58 watts total
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### Maximum Busbar

<b>Connection Range</b>	2 bars x 4 mm (.16") H x 32 mm (1.26") L
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### Number of Circuits/Switches

1
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### Mechanical Operations

8,000
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### Tightening Torque

212 lbf-in (24 N·m)
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### Material

Plastic housing
Silver-plated copper terminals
Screws
UL 94 V-0
UL 98B & UL 94
UL Guide WHVA
UL Listed E333311
NEC Article 690 for PV systems
IEC-60947-3
CE
EAC

### Base Mounting

RoHS compliant
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### Country of Origin

Spain
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## Recommended Accessories

- **Panel Handle with Shaft LDSSA11**  
For closed panel door access
- **Direct Handle LDSI11**  
For open panel door access
- **Auxiliary Contact LD5LAU01**  
Remotely indicates switch position

## Configuration

Type CB (2 Pole)

# Mouser Electronics

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