

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

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

IEC 60947-3 Standards

Insulation Voltage Rating Ui	1500 V dc
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Impulse Withstand Voltage

Rating Uimp	12 kV
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Operational Current DC21B

Rating	400 A / 1500 V dc
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Other Characteristics

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

Connection Range	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
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	Silver-plated copper terminals
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Base Mounting

	Screws
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Flammability Rating

	UL 94 V-0
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Approvals

	UL 98B & UL 94
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	UL Guide WHVA
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	UL Listed E333311
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	NEC Article 690 for PV systems
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	IEC-60947-3
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	CE
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	EAC
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	RoHS compliant
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	REACH
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	Spain
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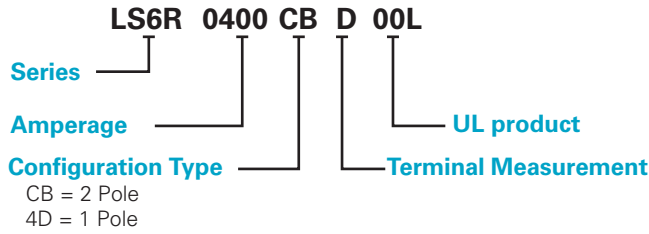
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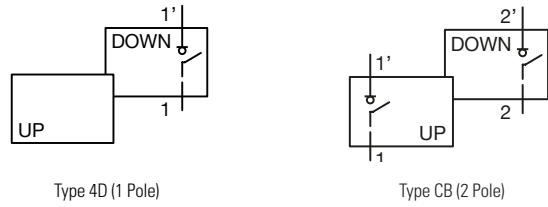
Dc Disconnect Switch

LS6R0400 1500 V DC SERIES

Part Numbering System



Configuration

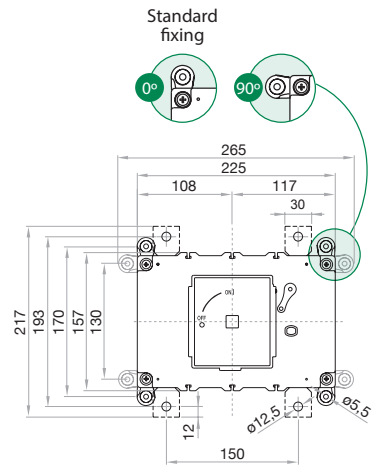


Ordering Information

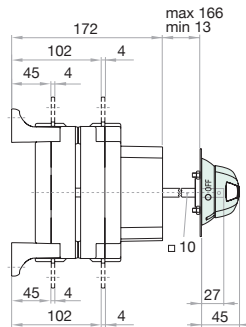
DC DISCONNECT SWITCH						
SERIES	TOTAL VOLTAGE	AMPERAGE	INSTALLATION	CONFIGURATION	POLES	SINGLE UNIT WEIGHT
LS6R04004DD00L	1500 V dc	400 A	Grounded	Type 4D	1	4.5 kg
LS6R0400CBD00L	1500 V dc	400 A	Ungrounded	Type CB	2	4.5 kg

Dimensions Millimeters

Dc Disconnect Switch

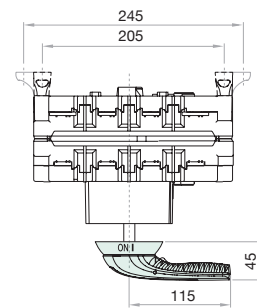


Switch - Side View



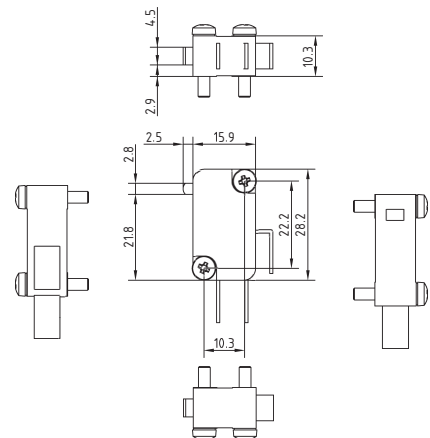
Panel Handle with Shaft

LDSSA11



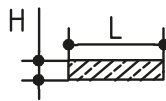
Auxiliary Contact

LD5AU01



Busbar

BUSBAR H MAX (CU)		BUSBAR L MAX (CU)		COPPER BAR M (TERMINAL TORQUE) (+5 % -10 %)
MM	INCH	MM	INCH	
4	5/32	32	1¼	M12
				N•M LB•INCH
				24 212



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