

# LX SERIES POWER DISTRIBUTION MODULES

200 & 600A • ATO & MINI Fuses • Vehicle Electrical Distribution & Ground Return Center



PN 880089



PN 880094  
(cover not shown)

## Description

Rugged box with Assure-Latch Technology is sealed to IP59K, and is designed to withstand high-pressure, high-temperature washing or ingress of roadsplash. Provides the benefits of a sealed cover, but allows water to escape if the cover is mistakenly unsecured. Allows permanent cable connections to be protected for harsh environments, while leaving fuse connections clean and protected.

Provides storage for ATO® fuse puller (included), spare fuses and attachment screws (not included). Cover is tethered so that it cannot be lost. Ignition protected to SAE J1171 and ISO 8846 for installation in a battery box or on vehicles carrying hazardous loads. Compact 6.5 x 5 x 2" unit fits conveniently inside or near battery boxes, and consolidates fusing for ten added circuits, while providing a collection point for negative returns. 200A version (880094) offers current limited power distribution to eliminate excessive power usage.

## Features and Benefits

- Protects up to 4 high-amp and 6 low-amp circuits (30-200A MIDI® fuses and 1-40A ATO® fuses.)
- Eliminates battery-box clutter, and saves space
- Reduces overall system cost by combining individual fuse holders
- The 880094 provides one fused input feeding the unit and other fuses while, the 880089 has an unfused input feeding the fuse circuits.

## Specifications Overview

|                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| <b>Max Voltage:</b>                  | 60V DC (limited by fuse)                                                                                |
| <b>Max Total Continuous Current:</b> | 600A (880089 - 2 x 4/0 feed cables)<br>350A (880089 - 4/0 feed cable)<br>200A (880094 - 2/0 feed cable) |
| <b>Max MIDI Continuous Current:</b>  | 170A                                                                                                    |
| <b>Max ATO Continuous Current:</b>   | 30A                                                                                                     |
| <b>Stud Size</b>                     | 4 x 5/16" (M8)                                                                                          |
| <b>Operating Temp:</b>               | -50 °C to +125 °C                                                                                       |
| <b>Ingress Protection:</b>           | IP59K                                                                                                   |

## Applications

- Ideal for upfitter & aftermarket vehicle circuit additions.

## Web Resources

Download technical resources at:  
[littelfuse.com/LX](http://littelfuse.com/LX)

## Ordering Information

| PART NUMBERS |        | MAX CONTINUOUS CURRENT | MAX FUSE RATING PER CIRCUIT |     | NUMBER OF FUSE LOCATIONS | TERMINAL STUD TORQUE | INGRESS PROTECTION | DIMENSIONS   | CONTENTS |        |             |
|--------------|--------|------------------------|-----------------------------|-----|--------------------------|----------------------|--------------------|--------------|----------|--------|-------------|
| BULK         | RETAIL |                        | MIDI                        | ATO |                          |                      |                    |              | COVER    | GASKET | FUSE PULLER |
| 880089       | —      | 600A                   | 170A                        | 30A | 10                       | 20 Nm                | IP59K              | 165x127x51mm | •        | •      | •           |
| 880094       | —      | 200A                   | 170A                        | 30A | 10                       | 20 Nm                | IP59K              | 165x127x51mm | •        | •      | •           |

Datasheet Replaces Hotfeed Number D-650

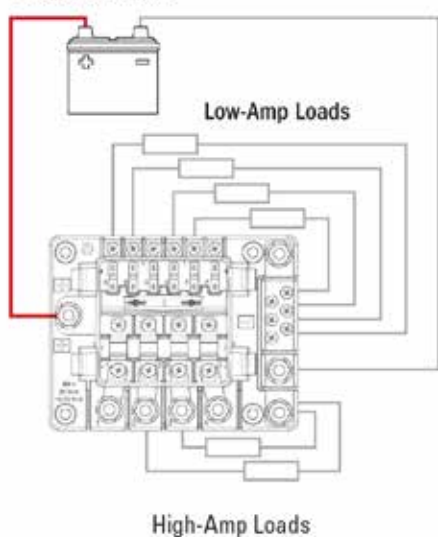
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## Specifications

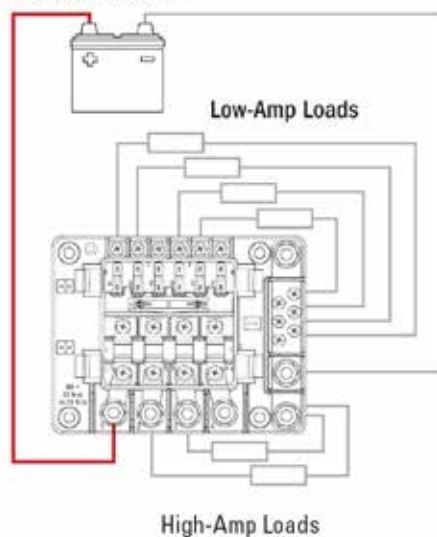
| 880089 & 880094                                                      |                                                                                                         |
|----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| Maximum Total Continuous Current                                     | 600A (880089 - 2 x 4/0 feed cables)<br>350A (880089 - 4/0 feed cable)<br>200A (880094 - 2/0 feed cable) |
| Maximum Midi Continuous Current Per Circuit (85% of Max Fuse Rating) | 170A                                                                                                    |
| Maximum ATO Continuous Current Per Circuit (75% of Max Fuse Rating)  | 30A                                                                                                     |
| Dielectric Breakdown Withstand                                       | 1,100V DC, 2 min                                                                                        |
| Maximum Continuous Voltage (Limited by Fuses)                        | 60V DC                                                                                                  |
| Recommended Ring Terminal                                            | High-Amp - 5/16" (M8)<br>Low-Amp - #8, (M4)                                                             |
| Stud Size                                                            | 4 x 5/16" (M8)                                                                                          |
| Temperature Range                                                    | -50° C to 125° C                                                                                        |
| Humidity                                                             | 0-95% RH                                                                                                |
| Shock                                                                | 50G                                                                                                     |
| Vibration                                                            | 8G                                                                                                      |
| Ingress Rating                                                       | IP59K                                                                                                   |
| Salt Spray                                                           | 1,080 hours                                                                                             |
| Weight                                                               | 1.90 lbs (0.86 kg)                                                                                      |

## Configurations

PN 880089 (600A)



PN 880094 (200A)



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