

# Laser Safety Systems



**Your Engineered Laser  
Safety Solution**

**Purpose:** Module accommodates a rapid shutdown of the laser room interlock. A backlit red LED indicates armed state of the interlock. Module uses redundant paths in the system to shutdown the interlock.



Front



Rear



Side

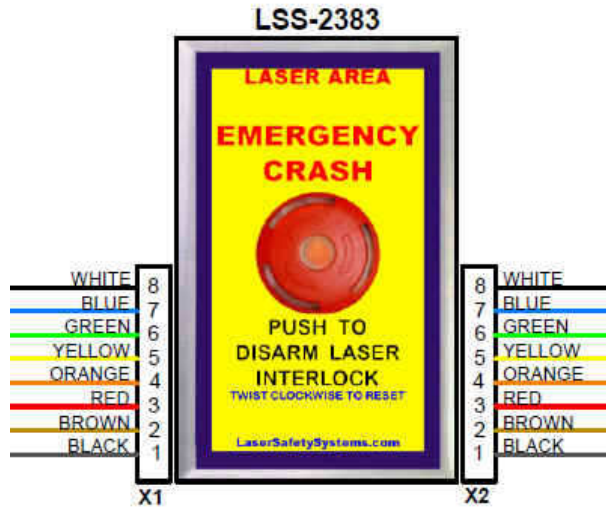
**Dimensions:** Width 2.8 inches Height 4.53 inches Depth in box 0.8 inches

**Packaged weight:** 110 grams

**Typical installation location:** Any location requested by client

**Typical mounting:** This module can be surface mounted in a single-gang outlet box or it can mount flush to wall surface using a new-work or old-work single-gang outlet box.

**Typical connection schematic:**



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**Technical Data**


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**Electrical**

Voltage	24VDC
Current consumed (backlight)	12.5mA
Endurance	> 50,000 cycles

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**Mechanical**

Terminal Accommodations	#22 AWG – #16 AWG
Environmental	Indoor usage
Flammability	UL94 V0
Operating Temperature	Maximum continuous +50°C, minimum -15°C

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**Materials**

Back Body	FR4 PCB
Front Body	Powder coated Steel
Label	Printed Polycarbonate F150
Label Adhesive	3M type 467
Terminal Screws	Steel, galvanized with Cr3+ plating
Terminal Contacts	Nickel-Plated copper alloy
switch housing	Polyamide (UL94V-0)
Solder (thru hole)	Lead Free K100LD (Kester)
Switch	EAO 5031-2B20 listed switch CE & UL

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### **3rd Party Compliance**

LSS-2383 is exempted from inspection under UL 508A section 43.2.1 due to its low-voltage power-limited status.

Module meets UL94V-0 Flammability standard.

Module is part of an overall system certified to fulfill the electrical interlock requirements of ANSI Z136.1-2014 for the safe use of lasers and Article 330 of NFPA 70E

### **Warranty**

3 Year

### **Part number for Ordering**

LSS-2383 or LSS2383

### **Additional information**

LSS2383 specific operation information is located on page 6 of the overall system user manual located at :  
[https://www.lasersafetysystems.com/Laser\\_Safety\\_Systems\\_user\\_manual.pdf](https://www.lasersafetysystems.com/Laser_Safety_Systems_user_manual.pdf)

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