

Isolating Spark Gap, 100kA

## Data Surge Protection Device Technical Data Sheet

**ISG-200-WG-LC**

### Features

- Equalizes the potential between the high and low voltage side of the AC service
- Protects personnel against shock hazards during electrical faults on the high voltage side
- For use in either indoor or outdoor applications
- Wiring kit included

### Applications

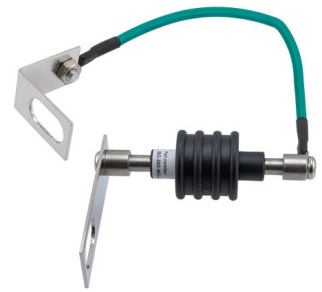
- Pipelines
- Industrial Facilities
- Commercial Facilities

### Description

RF isolating spark gap (also known as lightning arrester) ISG-200-WG-LC from L-com utilizes robust spark gap technology to equalize the potential between the high and low voltage side of AC services. L-com isolating spark gap products are available in stock with same day shipping.

### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Connectors		Screw Terminal		



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### Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
Surge Protection Technology		Gas Discharge Tube		
Protection Modes		Line to Line		
8/20 $\mu$ s Surge Current			100	kA
L-L				

### Mechanical Specifications

#### Size

Height	1.54 in	[39.12 mm]
Width	1.54 in	[39.12 mm]
Depth	4.41 in	[112.01 mm]
Weight	1.75 lbs	[793.79 g]
Housing Material and Plating	Thermoplastic	

### Environmental Specifications

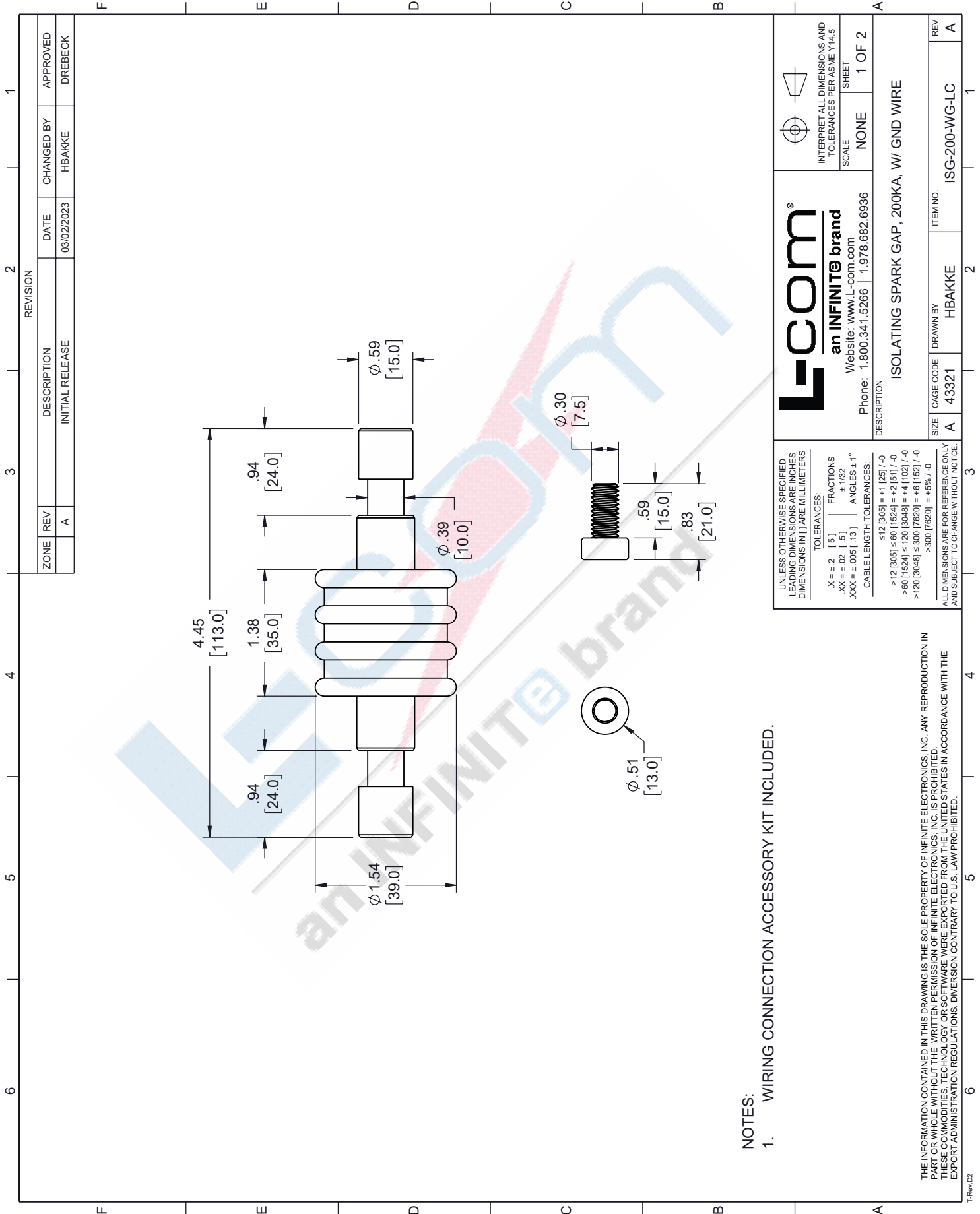
Operating Temperature	-40 to +80 deg C
Mount Type	Mounting Kit

Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components.

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume any liability arising out of the use of any part or documentation.

# ISG-200-WG-LC CAD Drawing

## Isolating Spark Gap, 100kA



NOTES:  
 1. WIRING CONNECTION ACCESSORY KIT INCLUDED.

ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	03/02/2023	HBAKKE	DREBECK

**L-com**  
an INFINITE brand  
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Phone: 1.800.341.5266 | 1.978.682.6936

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5  
SCALE NONE SHEET 1 OF 2

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DESCRIPTION: ISOLATING SPARK GAP, 200KA, W/ GND WIRE

SIZE A	CAGE CODE 43321	DRAWN BY HBAKKE	ITEM NO. ISG-200-WG-LC	REV A
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UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:  
.X = ±.2 [ .5 ] FRACTIONS  
.XX = ±.02 [ .5 ] ± 1/32  
.XXX = ±.005 [ .13 ] ANGLES ± 1°  
CABLE LENGTH TOLERANCES:  
≤ 12 [305] = +1 [25] / -0  
> 12 [305] ≤ 60 [1524] = +2 [51] / -0  
> 60 [1524] ≤ 120 [3048] = +4 [102] / -0  
> 120 [3048] ≤ 300 [7620] = +6 [152] / -0  
> 300 [7620] = +5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE.

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