Allen-Bradley Service Manual

100-DL860

1. Description

The 100-DL860 electrical lug kit from Allen Bradley's SMC-Flex series is designed for effective cable management. This kit includes four high-quality tin-plated copper lugs, compatible with conductor gauges ranging from #2/0 to 500 MCM. Technical specifications for 100-DL860

2. Specifications

Specification	Value
Manufacturer	**Allen Bradley**
Product	**Type Electrical lug kit**
Product	**Line SMC-Flex**
Part	**Number 100-DL860**
Weight	**13.56 lbs (6.15 kg)**
Conductor	**Gauge Compatibility #2/0 through 500 MCM cables**
Quantity	**of Lugs Included Four tin-plated copper lugs**
Primary	**Construction Material Copper base with tin-plated finish**
Maximum	**Rated Voltage 600 VAC insulation rating**
Flame-Resistance	**Classification UL 94 V-0 compliant**
Thermal	**Operating Window -40 °C to +105 °C (-40 °F to +221 °F)**
Insulating	**Sleeves Supplied Three heat-shrink sleeves (types 193-EC_H and 193-EE_H)**
Mounting	**Capability Surface-mountable design for panel or bus mounting**
Corrosion	**Protection Tin plating over copper for extended service life**
Certification	**Status UL listed product (UL file review recommended)**
Physical	**Form Factor Metal, robust lug kit assembly**

3. Product Information

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Mounting Capability Surface-mountable design for panel or bus mounting

Corrosion Protection Tin plating over copper for extended service life

Certification Status UL listed product (UL file review recommended)

Physical Form Factor Metal, robust lug kit assembly

Description

Featuring a solid metal assembly, the 100-DL860 electrical lug kit by Allen Bradley is tailored for dependable usage in various electrical applications. This kit consists of four robust tin-plated copper lugs, suitable for conductor sizes from #2/0 to 500 MCM, ensuring versatility for multiple installations.

Rated for a maximum voltage of 600 VAC, this product provides reliable electrical connections while maintaining compliance with UL 94 V-0 for flame resistance, which enhances safety in critical applications. The tin plating atop its copper base protects against corrosion, thereby improving the longevity and performance of the lugs in harsh environments.

The operational temperature range is impressive, allowing functional performance in conditions from -40 °C to +105 °C (-40 °F to +221 °F). To facilitate installation, the kit includes three heat-shrink insulating sleeves (types 193-EC_H and 193-EE_H), contributing to the connections' durability and safety.

Designed with surface-mount capability, this unit can easily be mounted to panels or buses, offering flexibility in configuration. The assembly is UL-listed, demonstrating compliance with recognized safety standards, and a file review to confirm specific installation requirements is recommended.