

Aluminum Alloy Mechanical Lug Connector

This mechanical lug connects copper, aluminum, or aluminum alloy cables to the aluminum end of electrical equipment in medium voltage setups. It requires only a socket spanner or wrench for installation, eliminating the need for crimping tools.



Overview

High-Performance Mechanical Lug Connector

The AUL-LP series consists of high-strength aluminum alloy mechanical lugs designed for medium voltage electrical connections. These connectors are compatible with copper, aluminum, and aluminum alloy cables, offering a versatile solution for terminating conductors to electrical equipment. Featuring torque-controlled shear head bolts, they ensure a stable and secure connection without the need for specialized crimping tools.

Technical Characteristics

Material Composition

- Body: High strength aluminum alloy
- Bolts: High strength aluminum alloy
- Surface Treatment: Tin plated

Standards Compliance

IEC 61238-1:2003

Installation & Performance

Key Features

- No crimping tools required; installs with a standard socket spanner or wrench
- Torque controlled shear head bolts prevent conductor damage
- Prefilled with jointing compound to enhance connectivity
- Wide application range for various conductor types

Model Specifications

Type	Conductor Size (mm ²)	Outer Diameter (mm)	Hole spacing (mm)	Number of Bolts	Shear-off Torque (Nm)	Wrench Size	Pack (pcs)
AUL35-150LP-12/2	35-150	29	32~45	2	31	17	25x4
AUL70-240LP-12/2	70-240	35	32~45	2	36	19	14x4

Detailed dimensions and torque specifications for AUL35-150LP and AUL70-240LP models.

Model Comparison Table

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Voltage Class

Medium Voltage