

Mechanical Aluminum Lug Connector

Mechanical aluminum lugs are designed for terminating aluminum conductors to equipment pads, bus bars, or other connection points. The mechanical design allows for easy installation and removal in electrical power transmission and distribution systems.



ADDITIONAL IMAGES



Product Overview

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This mechanical aluminum lug connector is engineered for reliable transition connections between copper, aluminum, or aluminum alloy cables and electrical equipment in low-voltage systems. It features a high-strength aluminum alloy body with a tin-plated surface, ensuring superior electrical performance and corrosion resistance. Designed for efficiency, it eliminates the need for specialized crimping tools, utilizing torque-controlled shear head bolts for a stable, damage-free installation.

Technical Specifications

Installation Features

- No crimping tools required (uses socket spanner or wrench)
- Torque controlled shear head bolts
- Prefilled with jointing compound
- Threaded inner surface design

Compliance Standard

IEC 61238-1:2003

Material Composition

High Strength Aluminum Alloy Body, Aluminum Alloy Bolts, Tin Plated Surface

Compatibility Table

Model Specifications

Model	Al Conductor (mm ²)	Cu Conductor (mm ²)	Bolts	Torque (Nm)	Wrench Size
SJLL6-25-12/1L	10-35	4-25	1	5	8
SJLL6-50-12/1L	10-50	6-35	1	11	10
SJLL16-95-12/1L	16-95	16-35	1	20	13
SJLL50-240-12/2L	50-240	240	2	35	19