

Bimetallic Pin Lug Connector

Bimetallic pin lug connectors are used for transition connections of aluminum cable or aluminum alloy cable with copper ends in low voltage applications. They feature clear markings on the barrel to indicate the correct crimping location.



Product Overview

Bimetallic Pin Lug Connector

The Bimetallic Pin Lug Connector is designed for the reliable transition connection of aluminum or aluminum alloy cables to the copper terminals of mini circuit breakers in low-voltage applications. These connectors feature a high-performance friction-welded construction, ensuring optimal electrical conductivity and preventing galvanic corrosion between dissimilar metals. Each unit comes pre-filled with jointing compound and features clear barrel markings to ensure precise crimping for secure, long-lasting installations.

Compliance Standard	IEC61238-1:2003
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Technical Features

Material Composition

- Aluminum (Al) e 99.5%
- Copper (Cu) e 99.9%

Key Features	Oil blocking structure, Friction welded, Prefilled with jointing compound, Cubic copper pin, Clear crimping markings
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Dimensions and Compatibility

Type	Conductor Size (mm ²)	Dimensions					Pack(pcs)	Crimping Die
		L(mm)	d(mm)	D(mm)	B(mm)	A(mm)		
GTLP-10	10	49	4.5	12.5	5.5	3	140x8	MLA10~35
GTLP-16	16	49	5.5	12.5	5.5	3	140x8	MLA10~35
GTLP-25	25	49	7.0	12.5	5.5	3	140x8	MLA10~35
GTLP-35	35	49	8.0	12.5	6.0	4	140x8	MLA10~35
GTLP-50	50	52	9.0	15	7.0	5	120x8	MLA50
GTLP-70	70	56	11.0	17.5	8.5	6	80x8	MLA70
GTLP-95	95	62	12.5	21	9.7	7.5	60x8	MLA95~120
GTLP-120	120	62	13.7	21	9.7	7.5	60x8	MLA95~120

Dimensional diagram showing key measurement points for conductor sizes ranging from 10mm² to 120mm².

Technical Specifications Table

Type	Conductor Size (mm ²)	Length (mm)	Inner Ø (mm)	Outer Ø (mm)	Width (mm)	Height (mm)
GTLP-10	10	49	4.5	12.5	5.5	3
GTLP-16	16	49	5.5	12.5	5.5	3
GTLP-25	25	49	7	12.5	5.5	3
GTLP-35	35	49	8	12.5	6	4
GTLP-50	50	52	9	15	7	5
GTLP-70	70	56	11	17.5	8.5	6
GTLP-95	95	62	12.5	21	9.7	7.5
GTLP-120	120	62	13.7	21	9.7	7.5