Bimetallic Pin Lug Connector

These bimetallic pin lug connectors are used for transition connections of aluminum cable to copper ends. They feature clear markings on the barrel to indicate the correct crimping location.

Product Overview

Bimetallic Pin Lug Connector

This bimetallic pin lug is engineered for the transition connection of aluminum or aluminum alloy cables to copper terminals in low-voltage circuit breakers. Featuring a friction-welded, oil-blocking structure, it ensures high conductivity and superior corrosion resistance. Each unit is prefilled with jointing compound and includes clear barrel markings to facilitate accurate crimping with standard dies.

Technical Specifications

Construction Features

Oil blocking structure • Friction welded • Cylinder copper pin • Prefilled with jointing compound

Material Composition	Aluminum (e 99.5%), Copper (e 99.9%)
Compliance Standard	IEC61238-1:2003

Dimensional Data

Type	Conductor Size (mm²)	Dimensions				Pack(pcs)	Crimping Die
		L(mm)	d(mm)	D(mm)	D1(mm)		
GTLZ-10	10	54	4.5	12.5	5	280x4	MLA10~35
GTLZ-16	16	54	5.5	12.5	6	140x8	MLA10~35
GTLZ-25	25	54	7.0	12.5	6	140x8	MLA10~35
GTLZ-35	35	56	8.0	12.5	7	120x8	MLA10~35
GTLZ-50	50	62	9.0	15	8	90x8	MLA50
GTLZ-70	70	67	11.0	17.5	10	50x8	MLA70
GTLZ-95	95	73	12.5	21	12	35x8	MLA95~120
GTLZ-120	120	78	13.7	21	12	55x4	MLA95~120

Dimensional specifications and crimping die compatibility chart for GTLZ series lugs.

Dimensions and Compatibility

Type	Conductor (mm²)	Length (mm)	Pin Diameter (mm)	Crimping Die
GTLZ-10	10	54	5	MLA10~35
GTLZ-16	16	54	6	MLA10~35
GTLZ-25	25	54	6	MLA10~35
GTLZ-35	35	56	7	MLA10~35
GTLZ-50	50	62	8	MLA50
GTLZ-70	70	67	10	MLA70
GTLZ-95	95	73	12	MLA95~120
GTLZ-120	120	78	12	MLA95~120