Bimetallic Pin Lug Connector

These bimetallic pin lug connectors are used for transition connections between aluminum cables and the copper ends of miniature circuit breakers in low-voltage systems. They feature a friction-welded design and are pre-filled with jointing compound.

ADDITIONAL IMAGES

Product Overview

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These bimetallic pin lugs are designed for the transition connection of aluminium or aluminium alloy cables to the copper ends of mini circuit breakers in low-voltage systems. Engineered with a friction-welded structure, they ensure a reliable electrical and mechanical bond between the copper pin and the aluminium body. Each unit is pre-filled with jointing compound and features an oil-blocking design for enhanced safety and performance in power transmission applications.

Technical Specifications

Key Features

- Oil blocking structure
- Friction welded construction
- Prefilled with jointing compound
- Cylinder copper pin design
- Clear barrel markings for crimping

Compliance Standard	IEC61238-1:2003
Material Purity	Aluminium e 99.5%, Copper e 99.9%

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.

Dimensions and Crimping Guide

Type	Conductor (mm²)	L (mm)	d (mm)	D (mm)	D1 (mm)	Crimping Die
GTLZ-10	10	54	4.5	12.5	5	MLA10~35
GTLZ-16	16	54	5.5	12.5	6	MLA10~35
GTLZ-25	25	54	7	12.5	6	MLA10~35
GTLZ-35	35	56	8	12.5	7	MLA10~35
GTLZ-50	50	62	9	15	8	MLA50
GTLZ-70	70	67	11	17.5	10	MLA70
GTLZ-95	95	73	12.5	21	12	MLA95~120
GTLZ-120	120	78	13.7	21	12	MLA95~120