

Bimetallic Pin Lug Connector for Aluminum to Copper Transition

This bimetallic pin lug is used for transition connection of aluminum cable or aluminum alloy cable with copper end of miniature circuit breaker in low voltage. It features an oil blocking structure and clear markings for correct crimping.



ADDITIONAL IMAGES



Overview

Bimetallic Pin Lug Connector

These bimetallic pin lugs are designed for the reliable transition connection of aluminum or aluminum alloy cables to copper terminals, specifically for miniature circuit breakers in low voltage applications. Engineered with an oil-blocking structure and friction-welded construction, they ensure high conductivity and corrosion-resistant joints. Each unit is prefilled with jointing compound and features clear barrel markings to guide precise crimping according to DIN standards.

Technical Specifications

Material Purity

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

Standard

DIN 46329

Key Features

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

Dimensions and Sizing

Type	Conductor Size (mm ²)	Dimensions				Pack(pcs)	Crimping Die
		L(mm)	d(mm)	D(mm)	D1(mm)		
GTLZD16	16	58.5	6	12	6	160x4	DL12
GTLZD25	25	60	6.8	12	6	160x4	DL12
GTLZD35	35	71.2	8	14	7	100x4	DL14
GTLZD50	50	74	9.8	16	8	100x4	DL16
GTLZD70	70	87	11.2	18.5	10	50x8	DL18
GTLZD95	95	91	13.2	22	12	40x8	DL22
GTLZD120	120	98	14.7	23	12	40x8	DL22
GTLZD150	150	109	16.3	25	12	30x4	DL25
GTLZD185	185	116	18.3	28.5	14	30x4	DL28
GTLZD240	240	128	21	32	16	25x4	DL32
GTLZD300	300	131	23.3	34	18	20x4	-

Dimensional diagram for GTLZD series connectors, detailing conductor sizes and required crimping dies.

Specification Table

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GTLZD16	16	58.5	6	12	6	DL12
GTLZD25	25	60	6.8	12	6	DL12
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GTLZD50	50	74	9.8	16	8	DL16
GTLZD70	70	87	11.2	18.5	10	DL18
GTLZD95	95	91	13.2	22	12	DL22
GTLZD120	120	98	14.7	23	12	DL22
GTLZD150	150	109	16.3	25	12	DL25
GTLZD185	185	116	18.3	28.5	14	DL28
GTLZD240	240	128	21	32	16	DL32
GTLZD300	300	131	23.3	34	18	N/A