

# Bimetallic Lug Connector for MCCB Applications

These bimetallic lugs are designed for transitioning between aluminum or aluminum alloy cables and copper ends of electrical equipment in low voltage scenarios. The connectors feature a narrow palm design, ideal for equipment with limited contact space, such as MCCBs and motors.



## Product Overview

### Bimetallic Lug Connector for MCCB

This bimetallic lug is engineered for the transition connection of aluminum or aluminum alloy cables to copper terminals in low-voltage electrical equipment. Designed specifically for MCCB applications, it features a narrow palm construction that fits perfectly in constrained spaces like motors and circuit breakers. Each unit is friction welded, oil-blocked, and prefilled with jointing compound to ensure a secure, long-lasting, and corrosion-resistant electrical connection.

## Technical Specifications

MCCB240-8	240	77	19.5	28	25	M8	40x4	MLA150~240
MCCB240-10		76	19.5	28	25	M10		
MCCB240-12		74.5	19.5	28	25	M12		
MCCB300-10	300	90	22	32	30	M10	30x4	MLA300
MCCB300-12		88.5	22	32	30	M12		
MCCB300-16		86.5	22	32	30	M16		
MCCB400-10	400	95	25.1	36	32	M10	25x4	MLA400
MCCB400-12		93.5	25.1	36	32	M12		
MCCB400-16		91.5	25.1	36	32	M16		

Detailed specifications for larger conductor sizes, illustrating stud sizes and compatibility for MCCB installations.

### Application Compatibility

**10 mm<sup>2</sup>**

Min Conductor Size

**400 mm<sup>2</sup>**

Max Conductor Size

### Material Composition

Aluminum (e 99.5%), Copper (e 99.9%)

### Compliance Standard

IEC61238-1:2003

## Key Features

### Features

- Central palm design
- Oil blocking structure
- Friction welded construction
- Narrow palm for compact spaces
- Clear barrel markings for crimping
- Prefilled with jointing compound

## Sizing and Dimensions

Type	Conductor Size (mm <sup>2</sup> )	Dimensions				Stud Size	Pack(pcs)	Crimping Die
		L(mm)	d(mm)	D(mm)	B(mm)			
MCCB10-8	10	53	4.5	12.5	14	M8	150x8	MLA10-35
MCCB16-8	16	53	5.5	12.5	14	M8	150x8	MLA10-35
MCCB25-8	25	53	7	12.5	14	M8	140x8	MLA10-35
MCCB35-8	35	53	8	12.5	14	M8	140x8	MLA10-35
MCCB50-8	50	56	9	15	16	M8	80x8	MLA50
MCCB70-8	70	56	11	17.5	16	M8	80x8	MLA70
MCCB95-8	95	59	12.5	21	18	M8	50x8	MLA95-120
MCCB95-10	95	59	12.5	21	18	M10		
MCCB120-8	120	59	13.7	21	18	M8	100x4	MLA95-120
MCCB150-8	150	77	15.5	28	25	M8		
MCCB150-10	150	76	15.5	28	25	M10	40x4	MLA150-240
MCCB150-12	150	74.5	15.5	28	25	M12		
MCCB185-8	185	77	17	28	25	M8		
MCCB185-10	185	76	17	28	25	M10	40x4	MLA150-240
MCCB185-12	185	74.5	17	28	25	M12		

Dimensional reference table for various bimetallic lug models, including conductor size and stud compatibility.

### Dimensional Data

Type	Size (mm <sup>2</sup> )	Stud Size
MCCB10-8	10	M8
MCCB50-8	50	M8
MCCB120-8	120	M8
MCCB240-12	240	M12
MCCB300-16	300	M16
MCCB400-16	400	M16