Circuit Breaker Lugs

Narrow Palms

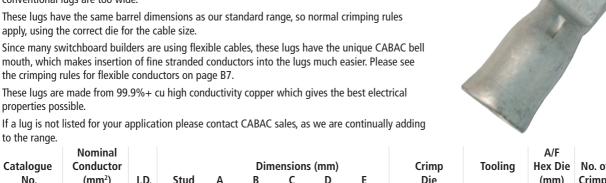
CABAC's Circuit Breaker Lugs are specially made for terminating large cables to circuit breakers. Since flashover distances have reduced, the connecting tunnel in breakers has become narrower, and fitting lugs in 150 to 250A breakers has become a problem because the palms of conventional lugs are too wide.

These lugs have the same barrel dimensions as our standard range, so normal crimping rules

Since many switchboard builders are using flexible cables, these lugs have the unique CABAC bell mouth, which makes insertion of fine stranded conductors into the lugs much easier. Please see the crimping rules for flexible conductors on page B7.

These lugs are made from 99.9%+ cu high conductivity copper which gives the best electrical properties possible.

If a lug is not listed for your application please contact CABAC sales, as we are continually adding to the range.



Catalogue	Nominal Conductor				Dim	ensions	(mm)		Crimp	Tooling	A/F Hex Die	No. of	Qty per
No.	(mm²)	I.D.	Stud	Α	В	C	D	E	Die	looming	(mm)	Crimps	Box
CALCB35-6	35	8.2	6	41	15	3	15	21	HT130-C-35		9.2	1	50
CALCB50-6	50	9.5	6	43	15	3.2	15	22	HT130-C-50		10.4	1	50
CALCB50-10	50	9.5	10	49	19	3.2	21	22	HT130-C-50		10.4	1	50
CALCB70-6	70	11.2	6	45	17	3.3	15	24	HT130-C-70	8	11.5	1	25
CALCB70-10	70	11.2	10	51	19	3.3	21	24	HT130-C-70	Same	11.5	1	25
CALCB95-8	95	13.4	8	51	19	3.9	17	27	HT130-C-95	as Co	14.2	1	25
CALCB95-10	95	13.4	10	55	19	3.9	21	27	HT130-C-95	Copper (14.2	1	25
CALCB120-8	120	15.6	8	61	19	5	23	30	HT130-C-120	Crimp	16.5	1	25
CALCB120-10	120	15.6	10	61	19	5	23	30	HT130-C-120	Lugs	16.5	1	25
CALCB150-8	150	16.7	8	66	19	5.5	27	30	HT130-C-150	– Sta	18.3	1	25
CALCB150-10	150	16.7	10	66	19	5.5	27	30	HT130-C-150	Standard	18.3	1	20
CALCB185-10	185	18.4	10	74	24.5	5.7	32	32	HT130-C-185	Range	20.0	1	20
CALCB240-10	240	21.2	10	82	31	7.1	32	38	HT130-C-240	ye	23.1	3	1
CALCB240-12	240	21.2	12	82	31	7.1	32	38	HT130-C-240		23.1	3	1
CALCB300-10	300	23.5	10	87	31	7.8	32	42	HT130-C-300		26.0	3	1
CALCB300-12	300	23.5	12	87	31	7.8	32	42	HT130-C-300		26.0	3	1

Technical Data

Conductive Material

Copper 99.95% pure Oxygen Content 30 ppm max Tensile Strength 200 MPa **Ductile Rating Fully Annealed** Final Metal State

Operating Temperature

-55°C to 155°C due to oxygen-free copper

Electroplating Material

99.9% pure Tin Other Metals Lead + Antimony Thickness 5-10 microns

General Electrical Properties

99.7% IACS **Total Conductivity Total Resistivity:** 1.738 micro-ohm cm

Conformant Standards

AS4325 Part 1 Australia; IEC France; DIN/VDE Germany; JIS Japan; BS United Kingdom; UL/NEMA USA

Dimensional Specification

Tooling is interchangeable between CABAC, Utilux and Burndy.

Torque Recommendations

For hardware being metric 8.8 tensile grade Thread dia.(mm) Torque (Nm)

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5			5
6			9
8			22
10			44
12			77
16			190

Accepting Authorities

Electricity Services Victoria Energy Australia Rail Services Australia

Western Power - and many other recognised Authorities.

