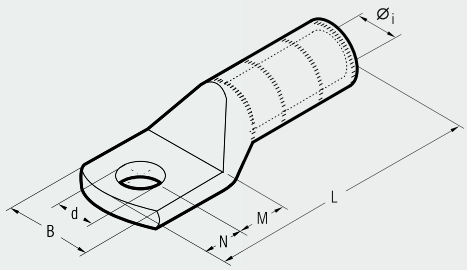
HIGH VOLTAGE COPPER TERMINALS

CA-M
2A-M



Series CA-M and 2A-M terminals are designed for high voltage applications up to 33 kV.
They are manufactured from high purity copper tube, annealed and tin plated.
The extended barrel enhances both electrical and mechanical performance. The absence of an inspection hole prevents moisture entry into the crimped joint and makes these terminals suitable for outdoor applications.
Details of the appropriate crimping tools and dies are shown on page 190.

Conductor Size (sqmm) & Format	Ø Stud mm	Ref.	Dimensions mm Øi	B	M	N	L	d	Quantity Box/Bag	Hydraulic Tools
25 R/BR/BS*	8	CA 25-M 8	6,8	14,0	9	8	65,0	8,4	300/50	B35-50D, HT 51, RH 50, B 51, B 55, HT 81-J, RHU 81, HT 120 and tools and heads with 130 kN crimping force, ECW-H3D, RHU 520
	10	CA 25-M 10	6,8	18,0	13	11	72,0	10,5	200/50	
	12	CA 25-M 12	6,8	21,0	16	14	78,0	13,2	200/50	
30 RC/S ÷ 40 S	12	CA 40 S-M 12	8,2	21,0	16	14	79,0	13,2	150/50	
	16	CA 40 S-M 16	8,2	26,0	19	17	85,0	17,0	100/50	
35 BR/BS*	10	CA 35-M 10	8,25	21,0	13	11	73,0	10,5	150/50	
	12	CA 35-M 12	8,25	21,0	16	14	79,0	13,2	150/50	
	16	CA 35-M 16	8,25	26,0	19	17	85,0	17,0	150/50	
50 RC	12	CA 50 R-M 12	8,7	20,5	16	14	79,0	13,2	150/50	
50 S	12	CA 50 S-M 12	9,5	21,0	16	14	79,0	13,2	150/50	
	16	CA 50 S-M 16	9,5	26,0	19	17	85,0	17,0	100/50	
50 BR/BS*	10	CA 50-M 10	9,5	21,0	13	11	73,0	10,5	150/50	
	12	CA 50-M 12	9,5	21,0	16	14	79,0	13,2	150/50	
	14	CA 50-M 14	9,5	25,0	18	16	83,0	15,0	100/50	
	16	CA 50-M 16	9,5	26,0	19	17	85,0	17,0	100/50	
63 S ÷ 70 S	12	CA 70 S-M 12	11,0	28,0	16	14	81,2	13,2	50/25	
	16	CA 70 S-M 16	11,0	30,0	19	17	87,2	17,0	50/25	
70 BR/BS*	10	CA 70 S-M 10	11,0	26,0	13	11	75,2	10,5	50/25	
	12	CA 70 S-M 12	11,0	28,0	16	14	81,2	13,2	50/25	
	14	CA 70 S-M 14	11,0	28,0	18	16	85,2	15,0	50/25	
	16	CA 70 S-M 16	11,0	30,0	19	17	87,2	17,0	50/25	
80 S ÷ 95 RC	12	CA 95 R-M 12	12,0	28,0	16	14	91,0	13,2	50/25	
	14	CA 95 R-M 14	12,0	29,0	18	16	95,0	15,0	50/25	
95 S ÷ 100 S	12	CA 95 S-M 12	13,5	28,0	16	14	91,0	13,2	50/25	
	14	CA 95 S-M 14	13,5	29,0	18	16	94,5	15,0	50/25	
	16	CA 95 S-M 16	13,5	30,0	20	17	97,0	17,0	50/25	
95 BR/BS*	10	CA 95-M 10	13,5	28,0	13	11	85,0	10,5	50/25	
	12	CA 95-M 12	13,5	28,0	16	14	91,0	13,2	50/25	
	16	CA 95-M 16	13,5	30,0	20	17	97,0	17,0	50/25	
120 RC/S ÷ 150 RC	12	CA 150 R-M 12	15,0	31,0	16	14	97,0	13,2	30/15	
	14	CA 150 R-M 14	15,0	31,0	18	16	101,0	15,0	30/15	
120 BR/BS*	12	CA 120-M 12	15,0	31,0	16	14	97,0	13,2	30/15	
	16	CA 120-M 16	15,0	31,0	19	17	103,0	17,0	30/15	
150 S ÷ 160 RC	12	CA 150 S-M 12	16,5	32,0	16	14	97,0	13,2	30/15	
	14	CA 150 S-M 14	16,5	32,0	18	16	101,0	15,0	30/15	
150 BR/BS*	12	CA 150-M 12	16,5	32,0	16	14	97,0	13,2	30/15	
	16	CA 150-M 16	16,5	32,0	19	17	103,0	17,0	30/15	
160 S ÷ 200 RC	14	CA 200 R-M 14	17,0	32,5	18	16	101,0	15,0	30/15	
185 BR/BS*	12	CA 185-M 12	18,0	33,5	16	14	97,0	13,2	30/15	
	16	CA 185-M 16	18,0	33,5	19	17	103,0	17,0	30/15	
200 S ÷ 240 RC	14	CA 240 R-M 14	19,2	43,0	18	16	107,0	15,0	15/5	
240 S ÷ 315 RC	14	CA 315 R-M 14	21,5	43,0	18	16	105,0	15,0	15/5	
240 BR/BS*	12	CA 240-M 12	20,5	42,0	16	14	103,0	13,2	15/5	
	16	CA 240-M 16	20,5	42,0	19	17	109,0	17,0	15/5	
	20	CA 240-M 20	20,5	42,0	22	20	115,0	21,0	15/5	
300 BR/BS*	12	CA 300-M 12	23,0	43,5	16	14	109,5	13,2	15/5	
	16	CA 300-M 16	23,0	43,5	19	17	115,5	17,0	15/5	
	20	CA 300-M 20	23,0	43,5	22	20	121,5	21,0	15/5	
315 S	14	CA 315 S-M 14	23,7	44,0	18	16	105,0	15,0	15/5	
400 R	14	2 A 80-M 14	27,0	51,0	22	19	140,0	15,0	15/5	
	16	2 A 80-M 16	27,0	51,0	22	19	140,0	17,0	15/5	
	20	2 A 80-M 20	27,0	51,0	24	23	146,0	21,0	15/5	
500 R	16	2 A 100-M 16	30,3	56,5	22	19	147,0	17,0	10/5	
	20	2 A 100-M 20	30,3	56,5	24	23	153,0	21,0	10/5	
600 R ÷ 630 R	16	2 A 120-M 16	33,4	61,5	22	19	159,0	17,0	20/5	
	20	2 A 120-M 20	33,4	61,5	24	23	165,0	21,0	20/5	

Conductor Format: R = Round, RC = Round Compact, S = Sector, BR = IEC228 (BS6360) Round, BS = IEC228 (BS6360) Sector*
** = Pre-rounding required, consult Cembre for appropriate die set*

DIE SELECTOR CHART

TAP-OFF ON COPPER CONDUCTOR

APPLICATION	CONDUCTOR		CONNECTOR		HYDRAULIC TOOLS							
					B 35-45D	B 35-50D	HT 45-E	HT 51 RH 50 B 51 B 55	HT 81-U RHU 81	HT 120 and tools and heads with 130 kN crimping force	ECW-H3D	RHU 520
	Seccion Conductor mm²		CONNECTOR	CONNECTOR	DIE SET	DIE SET	DIE SET	DIE SET	DIE SET	DIE SET	DIE SET	DIE SET
	Run	*Tap*										
	6 ÷ 2,5	6 ÷ 1,5	C 6 - C 6 ST	C 6 - C 6	MC 6 (1)	MC 6-50 (1)	MC 6 (1)	MC 6-50 (1)	MC 6.25-U (1)			
	10	10 ÷ 1,5	C 10 - C 10 ST	C 10 - C 10	MC 10 (1)	MC 10-50 (1)	MC 10 (1)	MC 10-50 (1)	MC 10-U (1)	MC 10-C (1)		
	16	16 ÷ 1,5	C 16 - C 16 ST	C 16 - C 16								
	25 ÷ 16	10 ÷ 1,5	C 25 - C 10 ST	C 25 - C 10	MC 25 (2)	MC 25-50 (2)	MC 25 (2)	MC 25-50 (2)	MC 6.25-U (1) MC 25-U	MC 25-C (1)	Adaptor AU 230-130 D with die set MC..-C	
	25	25 ÷ 16	C 25 - C 25 ST	C 25 - C 25								
	40 ÷ 35	16 ÷ 1,5	C 35 - C 16 ST	C 35 - C 16								
	40 ÷ 35	40 ÷ 25	C 35 - C 35 ST	C 35 - C 35	MC 35 (2)	MC 35-50 (2)	MC 35 (2)	MC 35-50 (2)	MC 35-U (1)	MC 35-C (1)		
	50	25 ÷ 10										
	70 ÷ 63	25 ÷ 1,5	C 70 - C 25N ST	C 70 - C 25N								Adaptor AU 520-130 C with die set MC..-C
	50	25 ÷ 4	C 50 - C 25 ST	C 50 - C 25								
	*50	50 ÷ 35	C 50 - C 50 ST	C 50 - C 50								
	*70 ÷ 50	40 ÷ 4	C 70 - C 35 ST	C 70 - C 35				*MC 70-50 (3)	MC 70-80-U (3)	MC 70-C (3)	MC 70-3D (1)	
	*70 ÷ 50	70 ÷ 35	C 70 - C 70 ST	C 70 - C 70								
	100 ÷ 95	40 ÷ 4	C 95 - C 35 ST	C 95 - C 35								
	100 ÷ 95	70 ÷ 40	C 95 - C 70 ST	C 95 - C 70					MC 95-80-U (3)	MC 95-C (3)	MC 95-3D (1)	
	100 ÷ 95	100 ÷ 63	C 95 - C 95 ST	C 95 - C 95								
	125 ÷ 110	125 ÷ 25	C 120 - C 120 ST	C 120 - C 120								
	160 ÷ 150	125 ÷ 25	C 150 - C 120 ST	C 150 - C 120								
	150	150 ÷ 63	C 150 - C 150 ST	C 150 - C 150						MC 185-C (3)	MC 185-3D (1)	
	185	100 ÷ 16	C 185 - C 95 ST	C 185 - C 95								
	185 ÷ 120	185 ÷ 120	C 185 - C 185 ST	C 185 - C 185								
	240 ÷ 150	120 ÷ 95	C 240 - C 120 ST	C 240 - C 120							MC 240-3D (1)	

H.V. COPPER CONDUCTORS

Conductor Size sqmm	TERMINALS		TERMINALS				DIE SET	DIE SET	DIE SET	DIE SET	DIE SET	DIE SET
25 R	MT 25 - TD	MT 25 - GC	CA 25 - M..	CA 25 - 2M..	MT 25 - C..		MMT 25-50 ◯		MMT 25-50 ◯	MMT 25-U ◯	MMT 25-C ◯	
35 RC/S ÷ 40 S	MT 40 S - TD	MT 40 S - GC	CA 40 S - M..	CA 40 S - 2M..	MT 40 S - C..							
50 RC	MT 50 R - TD	MT 50 R - GC	CA 50 R - M..	CA 50 R - 2M..	MT 50 R - C..		MMT 50-50 ◯		MMT 50-50 ◯	MMT 50-U ◯	MMT 50-C ◯	
50 S	MT 50 S - TD	MT 50 S - GC	CA 50 S - M..	CA 50 S - 2M..	MT 50 S - C..							
63 S ÷ 70 S	MT 70 S - TD	MT 70 S - GC	CA 70 S - M..	CA 70 S - 2M..	MT 70 S - C..							
80 S ÷ 95 RC	MT 95 R - TD	MT 95 R - GC	CA 95 R - M..	CA 95 R - 2M..	MT 95 R - C..				MMT 95-50 ◯	MMT 95-U ◯	MMT 95-C ◯	Adaptor AU 230-130 D with die set MMT..-C
95 S ÷ 100 S	MT 95 S - TD	MT 95 S - GC	CA 95 S - M..	CA 95 S - 2M..	MT 95 S - C..							
120 RC/S ÷ 150 RC	MT 150 R - TD	MT 150 R - GC	CA 150 R - M..	CA 150 R - 2M..	MT 150 R - C..							
150 S ÷ 160 RC	MT 150 S - TD	MT 150 S - GC	CA 150 S - M..	CA 150 S - 2M..	MT 150 S - C..				MMT 200-50 ◯	MMT 200-U ◯	MMT 200-C ◯	
160 S ÷ 200 RC	MT 200 R - TD	MT 200 R - GC	CA 200 R - M..	CA 200 R - 2M..	MT 200 R - C..							
185 BR/BS	MT 185 - TD	MT 185 - GC	CA 185 - M..	CA 185 - 2M..	MT 185 - C..							
200 S ÷ 240 RC	MT 240 R - TD	MT 240 R - GC	CA 240 R - M..	CA 240 R - 2M..	MT 240 R - C..							
240 S ÷ 315 RC	MT 315 R - TD	MT 315 R - GC	CA 315 R - M..	CA 315 R - 2M..	MT 315 R - C..					MMT 315-C ◯		
315 S	MT 315 S - TD	MT 315 S - GC	CA 315 S - M..	CA 315 S - 2M..	MT 315 S - C..							
400 R	MT 400 - TD		2A 80 - M..	2A 80 - 2M..						ME 80-C ◯	ME 80-3D ◯	ME 80-520 ◯
500 R	MT 500 - TD		2A 100 - M..	2A 100 - 2M..							ME 100-3D ◯	ME 100-520 ◯
600 R ÷ 630 R	MT 630 - TD		2A 120 - M..	2A 120 - 2M..							ME 120-3D ◯	ME 120-520 ◯

◯ = Hexagonal crimp ◯ = Oval crimp ◯ = circular crimp

** When using die set type MC70-50, the conductors marked with a star must be annealed.*