

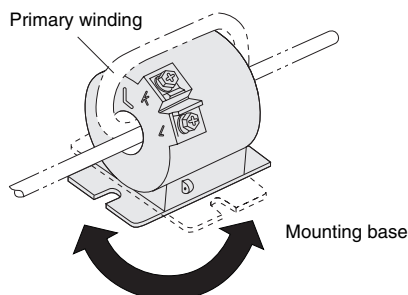
CC3L round hole through-type current transformers

Primary current: 60 to 750A
Secondary current: 5A or 1A

Description

The CC3L transformers are round-hole through-types. A double-mold structure gives CC3L transformers excellent moisture resistance and good insulation properties.

The CT ratio can be changed freely by changing the number of primary winding turns. Consequently, these CTs are highly adaptable and economical. Select from a lineup of three types with rated burdens of 5VA, 15VA, and 40VA. The mounting base can be rotated anywhere in a 90° range to facilitate installation.



Types and ratings

Burden (VA)	Rated primary current (A)	Secondary current (A)	Accuracy class	Thermal limit current	Max voltage (kV rms.)	Dielectric strength (kV 1min)	Diameter of window (mm)	Mass (kg)	Type* (secondary current: □)
5	60 75	5 or 1	1.0	40 times rated primary current, 1 second	1.15	4.0	26	1.9	CC3L1-060□ CC3L1-075□
	23						0.5	CC3L1-100□ CC3L1-120□ CC3L1-150□ CC3L1-160□ CC3L1-180□	
							0.4	CC3L1-200□	
							32	0.6	CC3L1-250□ CC3L1-300□
								0.5	CC3L1-400□
								50	0.7
							0.6		CC3L1-600□ CC3L1-750□
	100 120 150 160 180						5 or 1		
	200								
	250 300								
400									
15	100 120	5 or 1	1.0	40 times rated primary current, 1 second	1.15	4.0	26	2.0	CC3L2-100□ CC3L2-120□
	25						1.0	CC3L2-150□ CC3L2-160□ CC3L2-180□ CC3L2-200□	
							32	0.6	CC3L2-240□ CC3L2-250□ CC3L2-300□ CC3L2-400□
								50	0.8
	150 160 180 200						5 or 1		
	240 250 300 400								
	500 600 750								
40	150 160 180 200	5 or 1	1.0	40 times rated primary current, 1 second	1.15	4.0	26	2.0	CC3L3-150□ CC3L3-160□ CC3L3-180□ CC3L3-200□
	32						1.2	CC3L3-240□ CC3L3-250□ CC3L3-300□ CC3L3-400□	
							50	0.8	CC3L3-5005 CC3L3-6005 CC3L3-7505
	240 250 300 400	5							
	500 600 750								

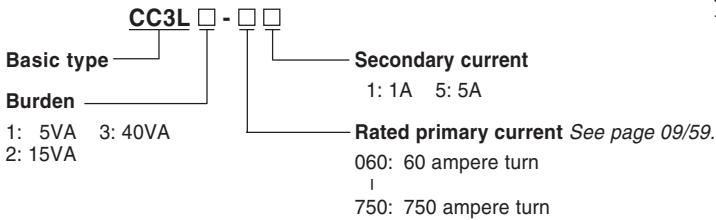
Notes: * Replace the □ mark by the secondary current code.

5: 5A 1: 1A

Instrument Transformers

Through-type CT/CC3L

■ Type number nomenclature

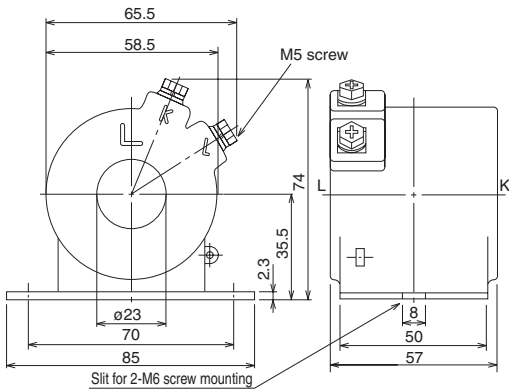


■ Ordering information

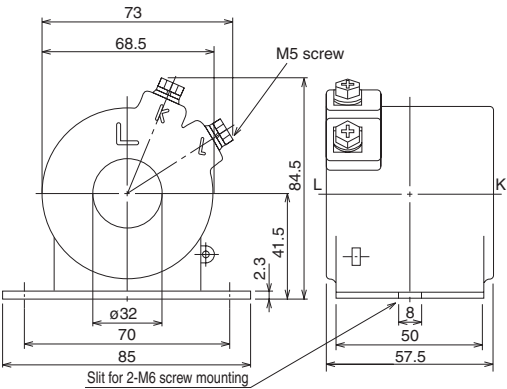
Specify the following:
1. Type number

■ Dimensions, mm

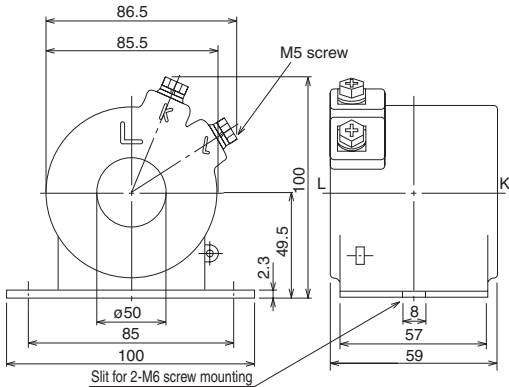
CC3L1: 100, 120, 150, 160, 180, 200A



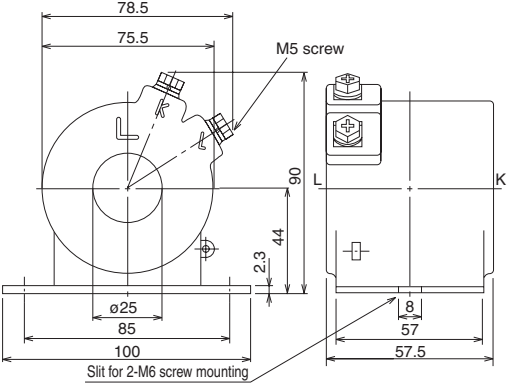
CC3L1: 250, 300, 400A
CC3L2: 240, 250, 300, 400A



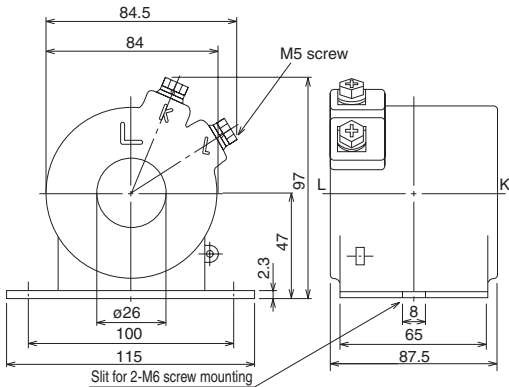
CC3L1, L2, L3: 500, 600, 750A



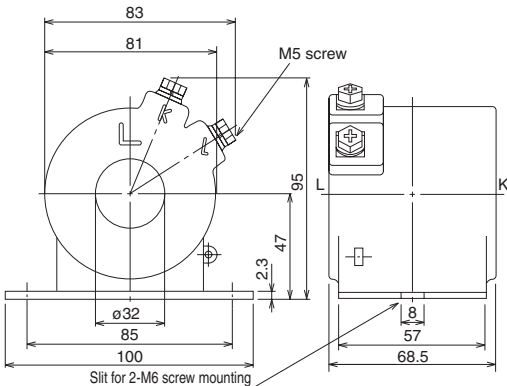
CC3L2: 150, 160, 180, 200A



CC3L1: 60, 75A CC3L2: 100, 120A
CC3L3: 150, 160, 180, 200A



CC3L3: 240, 250, 300, 400A



■ Number of turns in the primary winding and CT ratio

The following table lists the rated primary current, number of turns of primary windings, and the maximum nominal cross-section area

of the 600V IV cable that can pass through. (ø indicates the diameter of a single wire.) The table data satisfies allowable current for

a 600V IV cable at an ambient temperature of 40°C.

● 5VA CC3L1

Rated primary current (Ampere turn AT)	Primary current (A)	No. of turns	Primary conductor (mm ²)
60	10	6	5.5
	15	4	14
	20	3	22
	30	2	22
	60	1	150
75	15	5	8
	25	3	22
	75	1	150
100	10	10	ø2
	20	5	8
	25	4	14
	50	2	22
	100	1	150
120	15	8	5.5
	20	6	8
	30	4	14
	40	3	22
	60	2	22
	120	1	150
150	15	10	ø2
	25	6	8
	30	5	8
	50	3	22
	75	2	22
	150	1	150
160	20	8	5.5
	40	4	14
	80	2	22
	160	1	150
180	20	9	ø2
	30	6	8
	60	3	22
	180	1	150
200	20	10	ø2
	25	8	5.5
	40	5	8
	50	4	14
	200	1	150
250	25	10	8
	50	5	22
	125	2	60
	250	1	325
300	30	10	8
	50	6	14
	60	5	22
	75	4	38
	100	3	60
	150	2	60
400	300	1	325
	40	10	8
	50	8	14
	100	4	38
500	400	1	325
	50	10	22
	100	5	60
	125	4	100
	250	2	200
600	500	1	500
	60	10	22
	75	8	38
	100	6	60
	150	4	100
	200	3	150
750	300	2	200
	600	1	500
	75	10	22
	150	5	60
	750	1	200 2 pcs.

● 15VA CC3L2

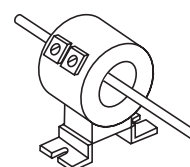
Rated primary current (Ampere turn AT)	Primary current (A)	No. of turns	Primary conductor (mm ²)
100	10	10	5.5
	20	5	14
	25	4	22
	50	2	38
	100	1	200
	15	8	8
120	20	6	14
	30	4	22
	40	3	22
	60	2	38
	120	1	200
150	10	15	3.5
	15	10	5.5
	25	6	8
	30	5	14
	50	3	22
	75	2	38
160	150	1	200
	20	8	8
	40	4	22
	80	2	38
	100	1	200
180	20	9	5.5
	30	6	8
	60	3	22
	90	2	38
	180	1	200
200	20	10	5.5
	25	8	8
	40	5	14
	50	4	22
	100	2	38
	200	1	200
240	30	8	8
	40	6	14
	60	4	38
	80	3	60
	120	2	60
	240	1	325
250	25	10	8
	50	5	22
	125	2	60
	250	1	325
300	30	10	8
	50	6	14
	60	5	22
	75	4	38
	100	3	60
	150	2	60
400	300	1	325
	40	10	8
	50	8	14
	100	4	38
	400	1	325
500	50	10	22
	100	5	60
	125	4	100
	250	2	200
	500	1	500
600	60	10	22
	75	8	38
	100	6	60
	150	4	100
	200	3	150
	300	2	200
750	600	1	500
	75	10	22
	150	5	60
	750	1	200 2 pcs.

● 40VA CC3L3

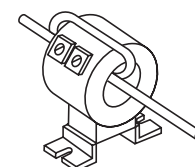
Rated primary current (Ampere turn AT)	Primary current (A)	No. of turns	Primary conductor (mm ²)
150	10	15	3.5
	15	10	5.5
	25	6	14
	30	5	14
	50	3	22
	75	2	38
	150	1	200
	20	8	8
160	40	4	22
	80	2	38
	160	1	200
180	20	9	5.5
	30	6	14
	60	3	22
	90	2	38
	180	1	200
200	25	8	8
	40	5	14
	50	4	22
	100	2	38
	200	1	200
240	40	6	14
	60	4	22
	80	3	38
	120	2	60
	240	1	325
250	25	10	8
	50	5	22
	125	2	60
	250	1	325
300	30	10	8
	50	6	14
	60	5	22
	75	4	38
	100	3	60
	150	2	60
400	300	1	325
	40	10	8
	50	8	14
	100	4	38
	400	1	325
500	50	10	22
	100	5	60
	125	4	100
	250	2	200
	500	1	500
600	60	10	22
	75	8	38
	100	6	60
	150	4	100
	200	3	150
	300	2	200
750	600	1	500
	75	10	22
	150	5	60
	750	1	200 2 pcs.

Example: 100AT, secondary 5A

• 1-ampere turn
100/5A



• 2-ampere turn
50/5A



Note: The rated primary current is given for one turn of the primary winding.