

1 AKH-0.66 series current transformer

● General

Current Transformer (CT) is used to transform the high AC current to small easily manageable values. They are connected with the Panel Meter or Relay and they can help to measure the current or protect the equipments.

● Standards

IEC/EN61869-1, IEC/EN61869-2

● Security factor

FS < 5

● Rated frequency

50/60Hz

● Maximum system voltage

720V AC

● Test voltage

3kV AC(1min)

● Rated short-time thermal current

$I_{th}=40-60I_n$

● Rated dynamic current

$I_{dyn}=2.5I_{th}$

● Continuous overload

120% I_n

● Environment

Operating temperature: -25°C — $+50^{\circ}\text{C}$

Storage temperature: -40°C — $+80^{\circ}\text{C}$

Relative humidity, no condensation: 90%

● Protection level

IP30

● Accuracy

$\pm 3.0\%$, $\pm 1.0\%$, $\pm 0.5\%$, $\pm 0.2\%$

● Burden

Ranging 0-30VA

● Rated secondary current

X/5A(X/1A upon request)

● Rated primary current

Ranging up to 6000A

● Casing


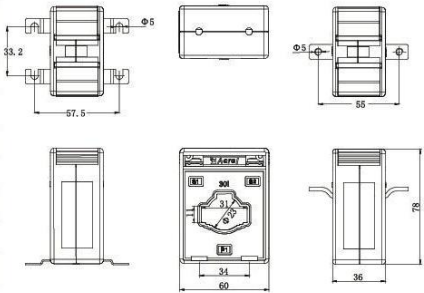

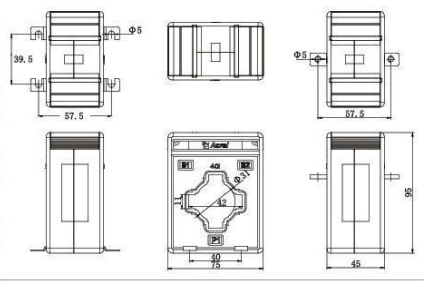

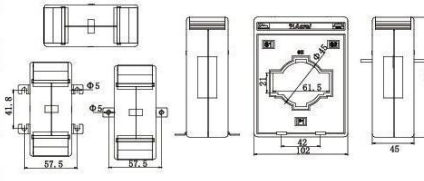

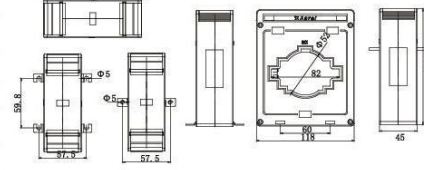
Non-flammable, polycarbonate self extinguishing ABS

● Terminal marks

Primary P1 and P2








Secondary S1 and S2

Low voltage current transformer

Type	Ratio (A)	Burden(VA)			Turns	Size(unit: mm)
		Class 0.2	Class 0.5	Class 1.0		
	15/5			1.5	5	
	20/5			1.5	4	
	25/5			1.5	3	
	30/5			1.5	3	
	40/5			1.5	2	
	50/5			1.5	2	
	60/5			1.5	2	
	75/5			1.5	1	
	80/5			1.5	1	
	100/5			1.5	1	
	150/5		2.5		1	
	200/5		2.5		1	
	250/5		3.75		1	
	300/5		5		1	
400/5		5		1		
500/5		10		1		
	150/5			2.5	1	
	200/5		2.5		1	
	250/5		3.75		1	
	300/5		5		1	
	400/5		5		1	
	500/5		10		1	
	600/5		10		1	
	800/5		10		1	
1000/5	10			1		
	500/5		10		1	
	600/5		10		1	
	800/5		10		1	
	1000/5	10			1	
	1200/5	10			1	
	1500/5	20			1	
2000/5	20			1		
	1000/5				1	
	1200/5				1	
	1500/5				1	
	2000/5				1	
	2500/5	30			1	
3000/5	30			1		

Type	Ratio (A)	Burden(VA)			Size(unit: mm)
		Class 0.2	Class 0.5	Class 1.0	
	100/5			1.5	
	150/5			1.5	
	200/5		1.5		
	250/5		3.75		
	300/5		5		
	400/5		5		
	500/5		10		
	300/5		5		
	400/5		5		
	500/5		10		
	600/5		10		
	800/5		10		
	500/5		10		
	600/5		10		
	800/5		10		
	1000/5	10			
	1500/5	20			
	800/5		10		
	1000/5	10			
	1200/5	10			
	2000/5	20			
	800/5		10		
	1000/5	10			
	1200/5	10			
	2000/5	20			
	1000/5	10			
	1200/5	10			
	1500/5	20			
	2000/5	20			
	3000/5	30			


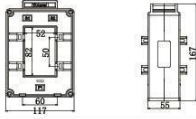

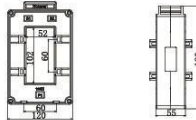

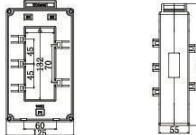
Low voltage current transformer


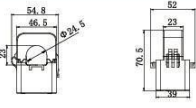

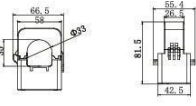

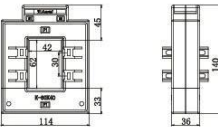

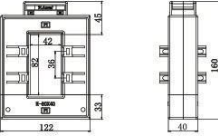
Type	Ratio (A)	Burden(VA)			Size(unit: mm)
		Class 0.2	Class 0.5	Class 1.0	
	1000/5	10			
	1200/5	10			
	1500/5	20			
	2000/5	20			
	2500/5	30			
3000/5	30				
	1500/5	20			
	2000/5	20			
	2500/5	30			
	3000/5	30			
	1500/5	20			
	2000/5	20			
	2500/5	30			
	3000/5	30			
	1500/5	20			
	2000/5	20			
	2500/5	30			
	3000/5	30			
4000/5	30				
	1500/5	20			
	2000/5	20			
	2500/5	30			
	3000/5	30			
	4000/5	30			
5000/5	30				
	1500/5	20			
	2000/5	20			
	2500/5	30			
	3000/5	30			
	4000/5	30			
5000/5	30				
	1500/5	20			
	2000/5	20			
	2500/5	30			
	3000/5	30			
	4000/5	30			
5000/5	30				


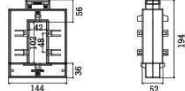

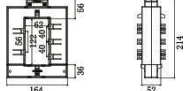

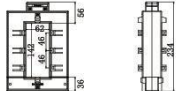

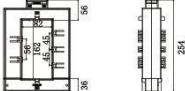
Type	Ratio (A)	Burden(VA)			Size(unit: mm)
		Class 0.2	Class 0.5	Class 1.0	
	1500/5	20			
	2000/5	20			
	2500/5	30			
	3000/5	30			
	4000/5	30			
	2000/5	20			
	2500/5	30			
	3000/5	30			
	4000/5	30			
	5000/5	30			
	2000/5	20			
	2500/5	30			
	3000/5	30			
	4000/5	30			
	5000/5	30			
	2000/5	20			
	2500/5	30			
	3000/5	30			
	4000/5	30			
	5000/5	30			


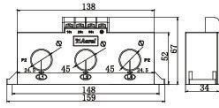

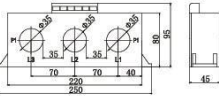
Type	Ratio (A)	Burden(VA)			Size(unit: mm)
		Class 0.2	Class 0.5	Class 1.0	
	200/5		2.5		
	300/5		2.5		
	400/5		5		
	500/5		10		
	600/5		10		
	800/5		10		
	1000/5	10			
	1500/5	15			
	2000/5	20			
2500/5	30				
	500/5		10		
	600/5		10		
	800/5		10		
	1000/5	10			

Low voltage current transformer

Type	Ratio (A)	Burden(VA)			Size(unit: mm)
		Class 0.2	Class 0.5	Class 1.0	
	1500/5	15			
	2000/5	20			
	2500/5	30			
	3000/5	30			
	1000/5	10			
	1500/5	15			
	2000/5	20			
	2500/5	20			
	3000/5	30			
	4000/5	30			
	2000/5	20			
	2500/5	30			
	3000/5	30			
	4000/5	30			
	5000/5	30			

Type	Ratio (A)	Burden(VA)			Size(unit: mm)
		Class 0.2	Class 0.5	Class 1.0	
	150/5			1	
	200/5			1	
	250/5		1.5		
	300/5		1.5		
	300/5		1.5		
	400/5		1.5		
	500/5		2.5		
	600/5		2.5		
	400/5		1.5		
	500/5		2.5		
	600/5		2.5		
	800/5	2.5			
	1000/5	5			
	1500/5	10			
	2000/5	10			
	3000/5	10			
	4000/5	10			

Type	Ratio (A)	Burden(VA)			Size(unit: mm)
		Class 0.2	Class 0.5	Class 1.0	
	K-100*40	1500/5	10		
		2000/5	10		
		3000/5	10		
		4000/5	15		
	K-120*60	1500/5	10		
		2000/5	10		
		3000/5	10		
		4000/5	15		
		5000/5	15		
	K-140*60	2000/5	10		
		3000/5	10		
		4000/5	15		
		5000/5	15		
	K-160*80	3000/5	10		
		4000/5	15		
		5000/5	15		
		6000/5	15		

Type	Ratio (A)	Burden(VA)			Turns	Size(unit: mm)
		Class 0.2	Class 0.5	Class 1.0		
	Z-3*Φ20	50/5		1.5	2	
		100/5		1.5	1	
		150/5		1.5	1	
		200/5		2.5	1	
	Z-3*Φ35	200/5		1.5	1	
		250/5		3.75	1	
		300/5		5	1	
		400/5		5	1	
		500/5		10	1	
		600/5		10	1	
		800/5		10	1	
		1000/5	10			