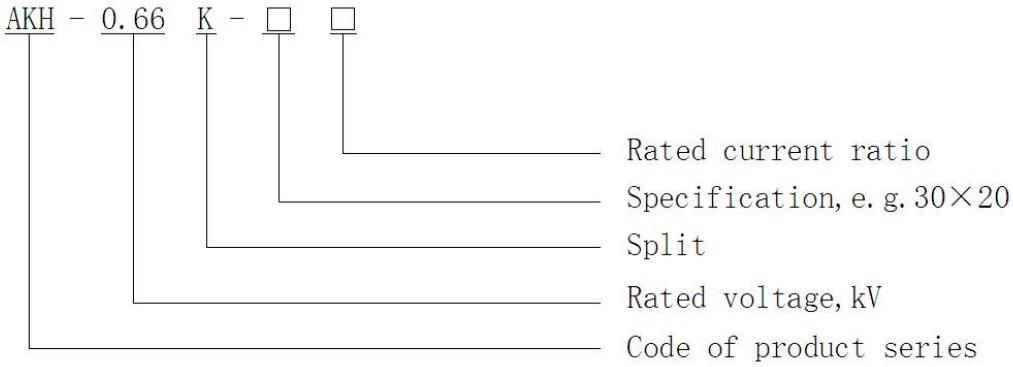
H007 AKH-0.66 K split current transformer V1.0

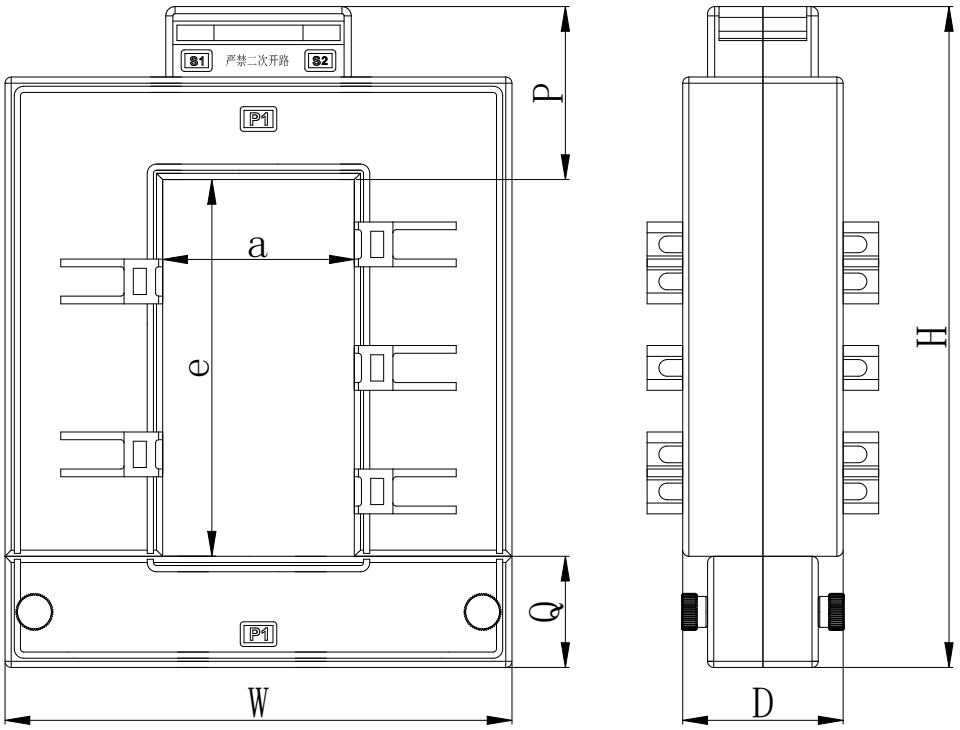
1.Product feature

AKH-0.66 K series split current transformers are mainly used in reconstructing projects of urban and rural power grids. They can be mounted easily without removal of primary bus. They also can be operated with electricity, which prevents the normal utilization of electricity. Thus, they save the manpower, material resources and financial resources and improve the efficiency of users.This series match with relay protection, measuring and metering equipment.

2.Explanation for type



3.Spec. and size



Acrel Co.,Ltd
Tel：0510-86179960
Fax：0510-86179835
Address：No31 HongtuRd,Nanzha Jiangyin Jiangsu
Email：acrelct@email.acrel.cn

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Size（mm） / Specification	Outline size			Through size		Mountng size		Tolerance
	W	H	D	a	e	P	Q	
K-30×20	90	114	40	22	32	50	32	±1
K-60×40	114	140	36	42	62	45	33	
K-80×40	122	161	40	42	82	45.5	33.5	
K-80×50	114	160	36	52	82	45	33	
K-80×80	144	160	36	82	82	45	33	
K-100×40	144	194	52	42	102	56	36	
K-120×60	164	214	52	62	122	56	36	±2
K-120×80	144	200	36	82	122	45	33	
K-130×40	144	224	52	42	132	56	36	
K-130×40N	144	202	51	42	132	35	35	
K-130×50	145	222	50.5	54	130	56	36	
K-130×60	170	222	70	60	130	56	36	
K-140×60	164	234	52	62	142	56	36	
K-160×80	184	254	52	82	162	56	36	
K-200×80	184	294	52	82	202	56	36	

4.Cross-reference tables of spec. -parameter





Type	Rated current ratio (A)	Precision degree and corresponding rated load (VA)			Straight-through tums	Bus spec(mm) /number
		0.2	0.5	1.0		
K-30×20	20-75/1A	/	/	0.2	1	30×10/1
	100-150/5（1）A	/	/	1	1	
	200/5（1）A	/	/	1.5	1	
	250-300/5（1）A	/	1.5	/	1	
	350-400/5（1）A	/	2.5	/	1	
K-60×40	250-300/5（1）A	/	/	1.5	1	60×10/1-2
	350-450/5（1）A	/	1.5	/	1	
	500-800/5（1）A	/	2.5	/	1	
	1000-1250/5（1）A	/	5	/	1	
	1500/5（1）A	/	10	/	1	

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K-80×40	300/5（1）A	/	/	1.5	1	80×10/1-2
	350-450/5（1）A	/	2.5	/	1	
	500-800/5（1）A	/	5.0	/	1	
	1000-2000/5（1）A	/	10	/	1	
	2500-3000/5（1）A	10	/	/	1	
K-80×50	250-300/5（1）A	/	/	1.5	1	80×10/1-3
	400-450/5（1）A	/	1.5	/	1	
	500-800/5（1）A	/	2.5	/	1	
	1000-1500/5（1）A	/	5	/	1	
K-80×80	250-300/5（1）A	/	/	1.5	1	80×10/1-4
	400-450/5（1）A	/	1.5	/	1	
	500-800/5（1）A	/	2.5	/	1	
	1000/5（1）A	/	5	/	1	
K-100×40	1000-2000/5（1）A	/	10	/	1	100×10/1-2
	2500-3000/5（1）A	10	/	/	1	
	4000A/5（1）A	15	/	/	1	
K-120×60	400-450/5（1）A	/	2.5	/	1	120×10/1-3
	500-800/5（1）A	/	5	/	1	
	1000-2000/5（1）A	/	10	/	1	
	2500-4000/5（1）A	10	/	/	1	
K-120×80	500-800/5（1）A	/	2.5	/	1	120×10/1-4
	1000-1200/5（1）A	/	5	/	1	
	1250-1500/5（1）A	/	7.5	/	1	
	2000/5（1）A	/	10	/	1	
K-130×40	1000-2000/5（1）A	/	10	/	1	130×10/1-2
	2500-4000/5（1）A	10	/	/	1	
K-130×40N	1000-2000/5（1）A	/	10	/	1	130×10/1-2
	2500-3000/5（1）A	10	/	/	1	
	4000-5000/5（1）A	15	/	/	1	
K-130×50	1000-2000/5（1）A	/	10	/	1	130×10/1-3
	2500-3000/5（1）A	10	/	/	1	
	4000-5000/5（1）A	15	/	/	1	
K-140×60	1000-2000/5（1）A	/	10	/	1	130×10/1-3
	2500-3000/5（1）A	10	/	/	1	
	4000-5000/5（1）A	15	/	/	1	
K-160×80	1000-2000/5（1）A	/	10	/	1	150×10/1-4
	2500-3000/5（1）A	10	/	/	1	
	4000-6000/5（1）A	15	/	/	1	
K-200×80	1000-2000/5（1）A	/	10	/	1	200×10/1-4
	2500-3000/5（1）A	10	/	/	1	
	4000-6000/5（1）A	15	/	/	1	

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5. Technical indicators

- Rated operation voltage AC 0.66kV(Equivalent AC 0.69kV,GB/T 156-2017)
- Rated frequency 50-60Hz
- Ambient air temperature -30℃-70℃
- Height above sea level≤3000m
- Power frequency withstand voltage 3000v/1min 50Hz
- Used in place without direct rain and snow,without severe pollution and acute shock
- The rated current of the primary equipment or the maximum load current of the line should not be greater than 2 / 3 of the rated primary current of the current transformer

6. Precautions

① The open current transformer must be connected to the electricity meter (or other measuring device) before installation to ensure that there is no open circuit for the second transformer;

② Place all the open current transformers connected to the secondary line on the site and wait for installation;

③ If the primary bus on site is a cable, it can be installed; if the primary bus is a copper bar, the live operation requires the operator to have high proficiency, and requires insulation protection measures;

④ When installing the transformer, there shall be no impurities, dust and other foreign bodies at the section of the iron core, so as not to affect the performance of the transformer.

7.Design and test standards:

No.	Name	Testing condition	Measuring instrument	Product Verification Cycle	Product testing standards
1	Surface,Terminal mark	Temperature:20-25℃ Humidity: 50-65%	HLS-50G2 Standard Current Transformer、HES-1 Digital Transformer Verification FY47 Current Transformer Load Cases FY49Current Transformer Load Cases LK2673 Withstand Voltage Tester ZC25-4 Insulation Resistance Shaking Instrument	2 Years	GB 20840.2-2014 《Current Transformer》 JJG313-2010 Verification Procedure
2	Power frequence Withstand voltage				
3	Insulation resistance				
4	Error testing				

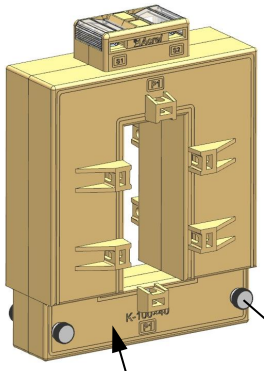
Note: when the current transformer is used, the two time shall not open circuit, and the two outlet S2 needs to be grounded!

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8.Installation

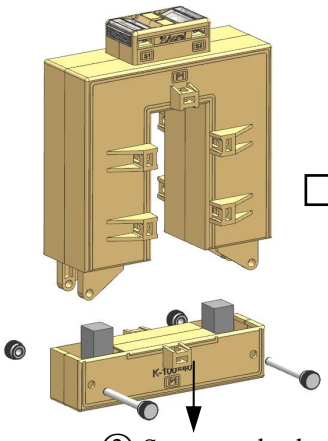
Fig.1



① Hold the lower section firmly at the direction of arrow

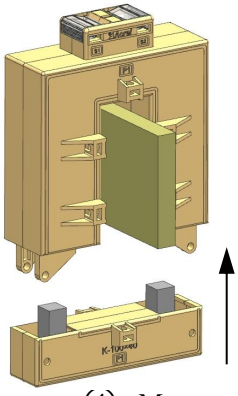
② Loosen two screws at the direction of arrow and remove them (fig. 2)

Fig.2



③ Separate the lower section at the direction of arrow

Fig.3



④ Mount the copper bar and assemble the lower section at the direction of arrow (fig. 4)

Fig.4

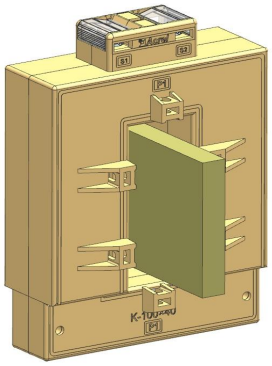
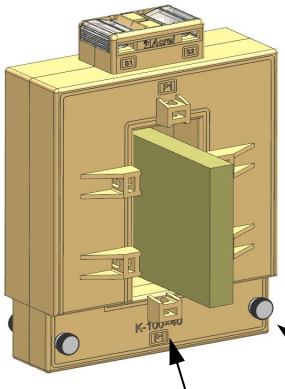


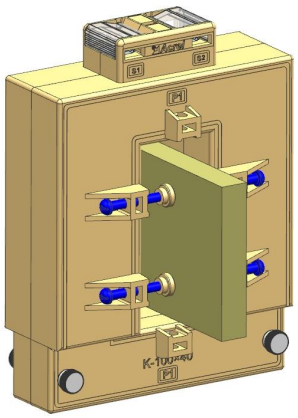
Fig.5



⑤Hold it firmly at the direction of arrow

⑥Hold the lower section firmly at the direction arrow, insert two screws and tighten nuts (fig. 6)

Fig.6



⑦ Fix the copper bar with M5 screws and pressure plates as shown in fig. 6

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