

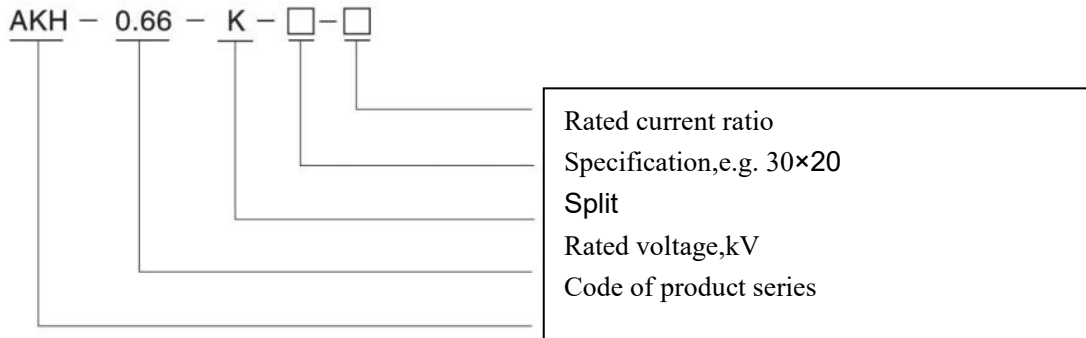
1.4.7 AKH-0.66 split current transformer

1.4.7.1 AKH-0.66/K split current transformer

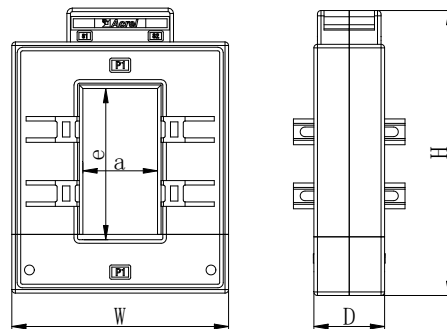
- Product feature

AKH-0.66K 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.

- Explanation for type



- Spec. and size



Size Specification	Outline size			Through size		Note	
	W	H	D	a	e	Specification(A)	Quality (kg)
K-30×20	90	114	40	22	32	20-400	0.8-0.9
K-60×40	114	140	36	42	62	250-2000	1.0-2.0
K-80×40	122	162	40	42	82	300-3000	1.2-2.4
K-80×50	114	159	36	52	82	250-1000	1.1-1.4
K-80×80	144	159	36	82	82	250-1000	1.3-1.5
K-120×80	144	199	36	82	122	500-1500	1.5-2.3
K-120×60	164	214	52	62	122	400-5000	1.6-3.0
K-100×40	144	194	52	42	102	1000-5000	1.6-3.2

K-130×40	144	224	52	42	132	1000-5000	1.6-3.6
K-140×60	164	234	52	62	142	1000-5000	1.7-3.7
K-160×80	184	254	52	82	162	1000-5000	2.8-3.7
K-200×80	184	294	52	82	202	1000-5000	3.5-4.5

- Cross-reference tables of spec. -parameter



Type	Rated current ratio(A)	Precision degree	Rated load,VA
K-30×20	20-75/1A	1.0	0.2
	100-150/5 (1) A		1.0
	200/5 (1) A		1.5
	250-300/5 (1) A	0.5	1.5
	350-400/5 (1) A		2.5
K-60×40	250-300/5 (1) A	1	1.5
	350-450/5 (1) A		1.5
	500-800/5 (1) A	0.5	2.5
	1000-1250/5 (1) A		5
	1500-2000/5 (1) A		10
K-80×40	300-450/5 (1) A	0.5	2.5
	500-800/5 (1) A		5.0
	1000-2000/5 (1) A	0.2	10
	2500-3000/5 (1) A		10
K-80×50	250-300/5 (1) A	1	1.5
	400-450/5 (1) A		1.5
	500-800/5 (1) A	0.5	2.5
	1000/5 (1) A		5
K-80×80	250-300/5 (1) A	1	1.5
	400-450/5 (1) A		1.5
	500-800/5 (1) A	0.5	2.5
	1000/5 (1) A		5
K-100×40	1000-2000/5 (1) A	0.5	10
	2500-3000/5 (1) A	0.2	10
	4000-5000A/5 (1) A		15
K-120×60	400-450/5 (1) A	0.5	2.5
	500-800/5 (1) A		5.0
	1000-2000/5 (1) A		10
	2500-5000/5 (1) A	0.2	10
K-120×80	500-800/5 (1) A	0.5	2.5
	1000-1200/5 (1) A		5
	1250-1500/5 (1) A		7.5



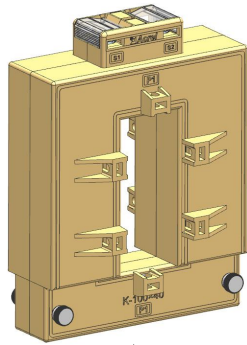
K-130×40	1000-2000/5 (1) A	0.5	10
	2500-5000/5 (1) A	0.2	10
	5000/5 (1) A	0.2	15
K-140×60	1000-2000/5 (1) A	0.5	10
	2500-3000/5 (1) A		10
	4000-5000/5 (1) A	0.2	15
K-160×80	1000-2000/5 (1) A	0.5	10
	2500-3000/5 (1) A		10
	4000-5000/5 (1) A	0.2	15
K-200×80	1000-2000/5 (1) A	0.5	10
	2500-3000/5 (1) A		10
	4000-5000/5 (1) A	0.2	15



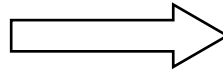
Type	Rated current ratio(A)	Precision degree	Rated load,VA
P-K-120×60	300-400/5 (1) A	5P10	2.5
	400/5 (1) A		2.5
	500/5 (1) A		3.75
	600-800/5 (1) A		5.0
	1000-1250/5 (1) A		7.5
	1500-1600/5 (1) A		10
	2000-3000/5 (1) A		15
P-K-160×80	500-800/5 (1) A	5P10	2.5
	1000-1500/5 (1) A		5.0
	2000/5 (1) A		10
	2500-3000/5 (1) A		15
	4000-5000/1A		20
P-K-200×80	500-800/5 (1) A	5P10	2.5
	1000-1500/5 (1) A		5.0
	2000/5 (1) A		10
	2500-3000/5 (1) A		15
	4000-5000/5 (1) A		20

Installation of AKH-0.66K series split current transformer

Fig.1

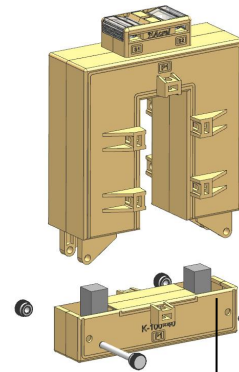


① Hold the lower section firmly at the direction of arrow



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

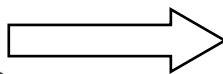
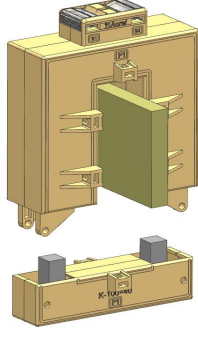


Fig. 3



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

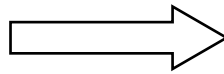


Fig. 4

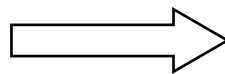
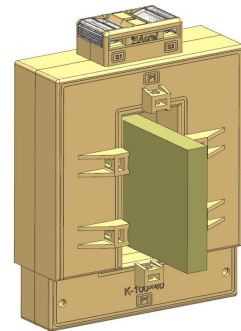
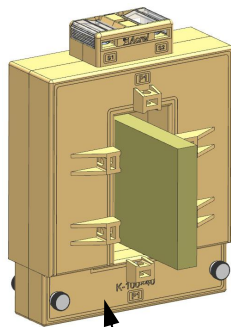
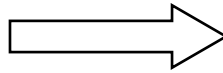


Fig. 5

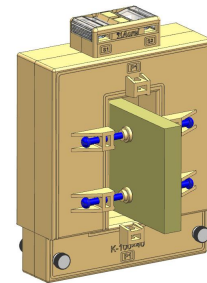


⑤ Hold it firmly at the direction of arrow



⑥ Hold 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

Notes:

1. Before installation of split current transformer, connect the secondary winding with electricity meter (or other measuring equipment) and check if the secondary winding is short circuited.

2. Deliver all split current transformers with connected secondary winding to the installation site.

3. If the primary bus is the cable on site, a split current transformer can be installed with live line. If the primary bus is the copper bar, the live line work has higher requirements for skills of operator and requires the insulation protection.

4. To install a current transformer, keep the section of iron core away from dust and foreign matters in order to maintain the performance of current transformer.