Unit:mm

ALH-0.66 ||| Current Transformer Siemens APT

Product Features

ALH-0.66 III type current transformer is the improved product on the basis of I and II type. It is mainly used for vertical arrangement of three-phase bus, so as to avoid the inconvenience of secondary outlet obstructed by the adjacent bus or the transformer. It is installed mainly by fixing the bus, which is very convenient. Meanwhile, it enlarges the capacity of the transformer and greatly improves its accuracy. Therefore, it meets the higher requirements of large load impedance and electricity measurement. P1 and P2 refer to the primary polarity end; S1 and S2 refer to the secondary polarity end. P1, S1 and P2, S2 are dotted terminals (subtractive polarity).

Model definition





Specifications and dimensions

	Dimensions	E	External siz	e	Р	erforation	size	Installation size	Installation methods (page 9) Note: "/" refers to the installation method not available				
S	Specifications	W H		D	A	Е	Ø	М	A		J		
d									a	U U			
	20III	72	76	36	11	21	21	40	41.8	50			
	30III	73	98	50	12	32	26	40	41.8	63.6			
	50III	75	120	56	16	52	/	/	/	/			
	60III	100	145	55	32	62	/	1	/	/			
	80III	100	164	55	32	82	/	/	/	/			
	100III	100	196	55	32	102	/	/	/	/			
	120III	125	221	55	52	122	/	/	/	/			
	130III	125	221	55	56	132	/	/	/	/			







Technical Data

1

- 1 Primary current 75-5000A secondary current 5A, 1A
- 2 Rated voltage AC 660V
- 3 Rated frequency 50-60Hz
- 4 Ambient temperature -30°C -+70°C Maximum temperature resistance 120°C

5 Altitude ≤3000m

- 6 Power frequency withstand voltage 3000V 1min 50Hz (between the enclosure and the secondary coil)
- 7 Insulation class E

Technical Data Table

Specifications and models	20111		30111		50111		60111		80111		100III		120III		130III	
Available busbar specifications and quantity	20×10 1		30×10 1		50×10 1		60×10 1-2		80×10 1-2		100×10 1-2		120×10 1-3		130×10 1-3	
Accuracy class	0.5	1	0.2	0.5	0.2	0.5	0.2	0.5	0.2	0.5	0.2	0.5	0.2	0.5	0.2	0.5
Rated current ratio							Rated	capacit	y (VA)							
75/5		2.5														
100/5		2.5		2.5												
150/5	2.5		2.5	2.5												
200/5	5		2.5	5												
250/5			2.5	5												
300/5			5	10												
400/5			10	10	10	10	10	10								
500/5			10	10	10	10	10	10								
600/5			10	10	10	10	10	10	10	10						
750/5					10	10	10	10	10	10						
800/5					10	10	10	10	10	10	10	10	10	10		
1000/5					15	15	15	15	15		15		15			
1200/5							20	20	20		20		20		20	
1500/5							20	20	20		20		20		20	
2000/5							40	40	40		40		40		40	
2500/5								40	40		40		40		40	
3000/5									40		40		40		40	
4000/5											40		40		40	
5000/5											40		40		40	
100/1	0.2			0.2												
150/1	2.5			2.5		2.5										
200/1	5			5		5										
250/1				5		5		5								
300/1				5		5		5								
400/1				10		10		10		10		10		5		
500/1				10		10		10		10		10		10		
600/1				10		10		10		10		10		10		
750/1						10		10		10		10		10		
800/1						10		10		10		10		10		
1000/1						10		10		10		10		10		
1200/1						15	20		20		20		20		20	
1500/1						20	20		20		20		20		20	
2000/1							20		20		20		20		20	
2500/1									20		20		20		20	
3000/1											20		20		20	
4000/1											20		20		20	
5000/1											20		20		20	

Note: The blanks without capacity can be realized by core-through or model not available.

ALH-0.66 Series Current Transformer

How to install?







Fig. A Bent sheet short bar fixation

Fig. B Straight sheet long bar fixation Fig. C Single sheet platen fixation (straight sheet)



Fig. D Single sheet platen fixation (bent sheet)



Fig. E Double sheet platen fixation



Fig. F Guide rail fixation



Fig. I Bus fixation

Fig. J Busbar fixation

Installation Caution

- 1. The secondary winding of current transformer cannot be open circuit, otherwise, the high voltage may endanger the equipment and personal safety.
- 2. One end of the secondary side of current transformer shall be reliable grounding to avoid insulation breakdown between the primary and the secondary.
- 3. The current transformer shall be used strictly based on the rated power, the rated transformation ratio and the accuracy class on the nameplate.
- 4. The primary winding of current transformer and the tested circuit shall be in series, the secondary winding and the electrical measuring instrument shall be in series, and the polarity of current transformer shall be noted during wiring.
- 5. The connecting lead for secondary loop shall adopt the insulated wire with small resistance, without any connectors in the center.
- 6. The impedance of instrument connected in series with the secondary winding loop shall not exceed that specified in the technical standards.
- 7. The same current transformer shall not be used for relay protection and electricity measurement.

Order instruction

- 1. The current transformer's model, specification, current ratio, accuracy class and the secondary rated capacity shall be specified;
- 2. Specify the installation methods. (If not specified, the company can provide as per its regulations.)
- 3. It can be customized for special specifications.

National large public buildings

Shanghai New International Expo Center Shanghai maglev train line China Millennium Monument in Beijing Oriental Pearl TV Station Shanghai Stadium Sichuan 703 TV Tower

School, hospital and office building

Shanghai Maritime University Shanghai International Studies University National Radio and Television Building New Office Building for the Ministry of Foreign Affairs Shanghai Ruijin Hospital Shanghai Sixth People's Hospital

Power plant, power station and electric utility

Huaneng Yuhuan Power Plant (4×1000MW) Shazhou Power Plant (2×600MW) Guodian Changzhou Power Plant (2×600MW) Fujian Ningde Power Plant (2×600MW) Jiangsu Tianwan Nuclear Power Station Daya Bay Nuclear Power Plant Sichuan Ertan Power Plant

Airport, port and metro

Capital International Airport Shenyang Taoxian International Airport Shanghai Pudong International Airport Ningbo Bukchang port Nanjing Metro Lines 1 and 2 Shanghai Pearl Line (light rail) Phases 1 and 2 Shenzhen Metro Line 1

Petroleum, metallurgy and chemistry

Shanghai Baoshan Iron and Steel Plant Shanghai Jinshan Petrochemical Wuhan Iron and Steel Plant Relocation Project of Shougang Group Reconstruction Project of Sichuan Dagang

Others

Xinjiang Shihezi Project Shandong Heavy Machinery Plant Shanghai Zhenhua Port Machinery Co., Ltd. Workshop for Shanghai Lili Industrial Workshop for Guangzhou Perlos/Liteonmobile

