

HLMK Series Current Transformer

Standard: IEC 60044-1

Function

HLMK Series Current Transformer provide:

- Measuring and transforming the high current to low current

Order Information

Class: 0.5

Maximum Voltage: 0.66KV

Model	Current ratio (A)	Rated Load (VA)	Bar (mm)	Diameter (mm)	Number of Turns through the core	Reference
HLMK-0.66-30	30/5	5-3.75		20	5	HLMKP63030
	50/5	5-3.75		20	3	HLMKP65030
	75/5	5-3.75		20	2	HLMKP67530
	100/5	5-3.75		20	2	HLMKP610030
	150/5	5-3.75	30×10	20	1	HLMKP615030
	200/5	5-3.75	30×10	20	1	HLMKP620030
HLMK-0.66-40	250/5	5-3.75	40×10	30	1	HLMKP625040
	300/5	5-3.75	40×10	30	1	HLMKP630040
	400/5	5-3.75	40×10	30	1	HLMKP640040
	500/5	5-3.75	40×10	30	1	HLMKP650040
	HLMK-0.66-50	300/5	5-3.75	50×15	35	1
400/5		5-3.75	50×15	35	1	HLMKP640050
500/5		5-3.75	50×15	35	1	HLMKP650050
600/5		10-3.75	50×15	35	1	HLMKP660050
750/5		10-3.75	50×15	35	1	HLMKP675050
800/5		10-3.75	50×15	35	1	HLMKP680050
1000/5		10-3.75	50×15	35	1	HLMKP6100050
HLMK-0.66-60		500/5	5-3.75	60×20	45	1
	600/5	10-3.75	60×20	45	1	HLMKP660060
	750/5	10-3.75	60×20	45	1	HLMKP675060
	800/5	10-3.75	60×20	45	1	HLMKP680060
	1000/5	10-3.75	60×20	45	1	HLMKP6100060
	1200/5	10-3.75	60×20	45	1	HLMKP6120060
	1500/5	10-3.75	60×20	45	1	HLMKP6150060
	HLMK-0.66-80	600/5	10-3.75	80×10 or 60×30	50	1
750/5		10-3.75	80×10 or 60×30	50	1	HLMKP675080
800/5		10-3.75	80×10 or 60×30	50	1	HLMKP680080
1000/5		10-3.75	80×10 or 60×30	50	1	HLMKP6100080
1200/5		10-3.75	80×10 or 60×30	50	1	HLMKP6120080
1500/5		15-3.75	80×10 or 60×30	50	1	HLMKP6150080
2000/5		15-3.75	80×10 or 60×30	50	1	HLMKP6200080
2500/5		15-3.75	80×10 or 60×30	50	1	HLMKP6250080
HLMK-0.66-100		600/5	10-3.75	100×30 or 60×40	60	1
	750/5	10-3.75	100×30 or 60×40	60	1	HLMKP6750100
	800/5	10-3.75	100×30 or 60×40	60	1	HLMKP6800100
	1000/5	10-3.75	100×30 or 60×40	60	1	HLMKP61000100
	1200/5	10-3.75	100×30 or 60×40	60	1	HLMKP61200100
	1500/5	15-3.75	100×30 or 60×40	60	1	HLMKP61500100
	2000/5	15-3.75	100×30 or 60×40	60	1	HLMKP62000100
	2500/5	15-3.75	100×30 or 60×40	60	1	HLMKP62500100
	3000/5	20-3.75	100×30 or 60×40	60	1	HLMKP63000100
	HLMK-0.66-120	1500/5	15-3.75	120×25 or 80×30	60	1
2000/5		15-3.75	120×25 or 80×30	60	1	HLMKP62000120
2500/5		15-3.75	120×25 or 80×30	60	1	HLMKP62500120
3000/5		20-3.75	120×25 or 80×30	60	1	HLMKP63000120
4000/5		20-3.75	120×25 or 80×30	60	1	HLMKP64000120
5000/5		20-3.75	120×25 or 80×30	60	1	HLMKP65000120



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Class: 1

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Model	Current ratio (A)	Rated Load (VA)	Bar (mm)	Diameter (mm)	Number of Turns through the core	Reference	
HLMK-0.66-30	30/5	5-3.75		20	5	HLMKP6P13030	
	50/5	5-3.75		20	3	HLMKP6P15030	
	75/5	5-3.75		20	2	HLMKP6P17530	
	100/5	5-3.75		20	2	HLMKP6P110030	
	150/5	5-3.75	30x10	20	1	HLMKP6P115030	
	200/5	5-3.75	30x10	20	1	HLMKP6P120030	
HLMK-0.66-40	300/5	5-3.75	30x10	20	1	HLMKP6P130030	
	250/5	5-3.75	40x10	30	1	HLMKP6P125040	
	300/5	5-3.75	40x10	30	1	HLMKP6P130040	
	400/5	5-3.75	40x10	30	1	HLMKP6P140040	
	500/5	5-3.75	40x10	30	1	HLMKP6P150040	
	600/5	10-3.75	40x10	30	1	HLMKP6P160040	
HLMK-0.66-50	300/5	5-3.75	50x15	35	1	HLMKP6P130050	
	400/5	5-3.75	50x15	35	1	HLMKP6P140050	
	500/5	5-3.75	50x15	35	1	HLMKP6P150050	
	600/5	10-3.75	50x15	35	1	HLMKP6P160050	
	750/5	10-3.75	50x15	35	1	HLMKP6P175050	
	800/5	10-3.75	50x15	35	1	HLMKP6P180050	
	1000/5	10-3.75	50x15	35	1	HLMKP6P1100050	
	1200/5	10-3.75	50x15	35	1	HLMKP6P1120050	
HLMK-0.66-60	500/5	5-3.75	60x20	45	1	HLMKP6P150060	
	600/5	10-3.75	60x20	45	1	HLMKP6P160060	
	750/5	10-3.75	60x20	45	1	HLMKP6P175060	
	800/5	10-3.75	60x20	45	1	HLMKP6P180060	
	1000/5	10-3.75	60x20	45	1	HLMKP6P1100060	
	1200/5	10-3.75	60x20	45	1	HLMKP6P1120060	
	1500/5	10-3.75	60x20	45	1	HLMKP6P1150060	
	2000/5	10-3.75	60x20	45	1	HLMKP6P1200060	
HLMK-0.66-80	600/5	10-3.75	80x10 or 60x30	50	1	HLMKP6P160080	
	750/5	10-3.75	80x10 or 60x30	50	1	HLMKP6P175080	
	800/5	10-3.75	80x10 or 60x30	50	1	HLMKP6P180080	
	1000/5	10-3.75	80x10 or 60x30	50	1	HLMKP6P1100080	
	1200/5	10-3.75	80x10 or 60x30	50	1	HLMKP6P1120080	
	1500/5	15-3.75	80x10 or 60x30	50	1	HLMKP6P1150080	
	2000/5	15-3.75	80x10 or 60x30	50	1	HLMKP6P1200080	
	2500/5	15-3.75	80x10 or 60x30	50	1	HLMKP6P1250080	
	HLMK-0.66-100	600/5	10-3.75	100x30 or 60x40	60	1	HLMKP6P1600100
		750/5	10-3.75	100x30 or 60x40	60	1	HLMKP6P1750100
800/5		10-3.75	100x30 or 60x40	60	1	HLMKP6P1800100	
1000/5		10-3.75	100x30 or 60x40	60	1	HLMKP6P11000100	
1200/5		10-3.75	100x30 or 60x40	60	1	HLMKP6P11200100	
1500/5		15-3.75	100x30 or 60x40	60	1	HLMKP6P11500100	
2000/5		15-3.75	100x30 or 60x40	60	1	HLMKP6P12000100	
2500/5		15-3.75	100x30 or 60x40	60	1	HLMKP6P12500100	
HLMK-0.66-120	3000/5	20-3.75	100x30 or 60x30	60	1	HLMKP6P13000100	
	1500/5	15-3.75	120x25 or 80x30	60	1	HLMKP6P11500120	
	2000/5	15-3.75	120x25 or 80x30	60	1	HLMKP6P12000120	
	2500/5	15-3.75	120x25 or 80x30	60	1	HLMKP6P12500120	
	3000/5	20-3.75	120x25 or 80x30	60	1	HLMKP6P13000120	
	4000/5	20-3.75	120x25 or 80x30	60	1	HLMKP6P14000120	
5000/5	20-3.75	120x25 or 80x30	60	1	HLMKP6P15000120		



Power Energy Management



HLMK Series Current Transformer

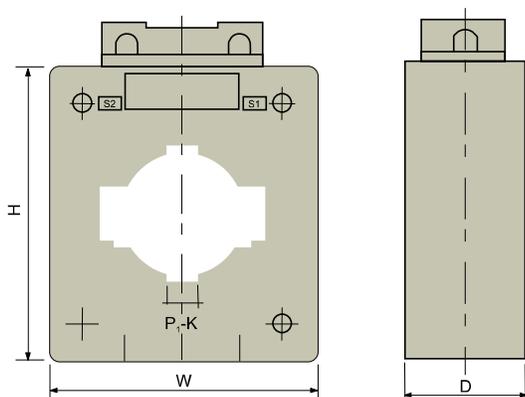
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Technical Data

- Primary current: 30A-5000A
- Secondary approval: 5A
- Maximum voltage: 0.66kV
- Class: 0.5, 1.0
- Short time thermal current: $I_{th}=100I_h$
- Rated security coefficient: FS<5
- Standard: IEC 60044-1

Overall Dimensions

Unit: mm



Model	H	W	D
HLMK-0.66-30	79	60	37
HLMK-0.66-40	99	75	40
HLMK-0.66-50	99	82	40
HLMK-0.66-60	126	102	40
HLMK-0.66-80	118	125	40
HLMK-0.66-100	136	170	40
HLMK-0.66-120	136	190	41

HBK Series Control Transformer

Standard: IEC 61558-2-2

Features

- EI shell structure with characteristic of simple structure and strong anti-seismic capacity
- I-type coil frame, simple winding process, high level automation and good product consistency.
- Self-design protective terminal blocks with advantages of good safety performance, convenient use for users and high production efficiency
- Strong load capacity and overvoltage capacity from aspects of product design, manufacturing, temperature rise, insulating property and accessory selection

Order Requirement

- Multi-input voltage or multi-output voltage can be customized if required;
- Separated voltage using on both input and output side is recommended;
- In principle, input/output voltage between 0-1200V can be customized if required;
- Isolation layer is compulsory if input voltage equals to output voltage; other conditions should be judged according to actual application requirements.

Technical Parameters

Rated Voltage	≤1200V
Rated Frequency	50Hz, 60Hz
Insulation Resistance	≥5MΩ
Insulation Class	B
Rated Duty	Uninterrupted Duty
Standard	IEC 61558-2-2

Applications

HBK 1200VA-5000VA control transformer is applied to the electrical system of the machine tool and other mechanical equipments which is used as the power supply of the control circuit, lighting circuit, signaling circuit and electronic device; it also has two or more than two-electrical-isolated –winding transformer.

Working and Installation Conditions

Altitude	≤2000m
Ambient temperature	-5°C ~ +40°C
Relative humidity	Monthly average maximum relative humidity is 90% during the wettest month; at the same month, the monthly average temperature is +25°C.
Operating environment	a. In medium without explosion hazard, where no air might corrode metal and destroy insulation or no conductive dust existing
	b. No violent vibration or bump
	c. The place where is no invasion of rain and snow
	d. The power supply voltage waveform is similar to sine wave
	e. The difference of power supply voltage is less or equals to ±5%