

BH-0.66(LMK-0.66).SDH Current Transformer

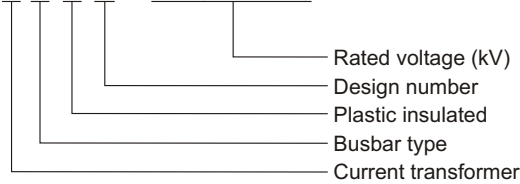
Summary

The current instrument transformers BH-0.66(LMK-0.66).SDH are designed for electric power systems of 50/60Hz rated frequency and rated voltage 0.66kV. They are used for indoor mounting. The performances of the products meet standards IEC60044-1 and GB1208-2006. The products are used in metering electric energy, voltage controlling and relay protection applications.

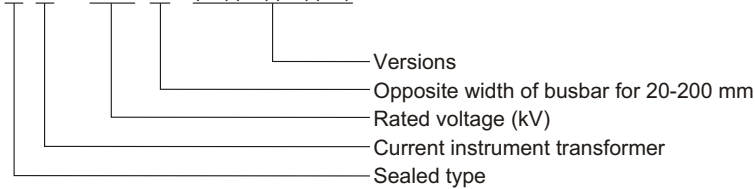


Model

L M K □ - 0.66(BH.SDH.)



B H - 0.66 □ (I)(II)(III)(Φ)



The model includes four versions: I, II, III, and Φ.

1. Version I (square round hole type): used for cable or busbars passing through, generally for monitoring purpose.
2. Version II (horizontal square hole type): used for 1-3 busbars passing through, generally for monitoring purpose.
3. Version III (vertical square hole type): used for 1-3 busbars passing through, for monitoring, electric metering (0.2 class accuracy), being used in systems of a high secondary resistance, and in relay protecting.
4. Version Φ (round hole type): used for cables with large diameters, electric systems of high secondary resistances, and acting as zero sequence instrument transformers.

The transformers are of busbar type and plastic shell insulated. The base plate is used for installation and fixing. The internal hole of iron core is used for busbar to cross through.

Technical specification

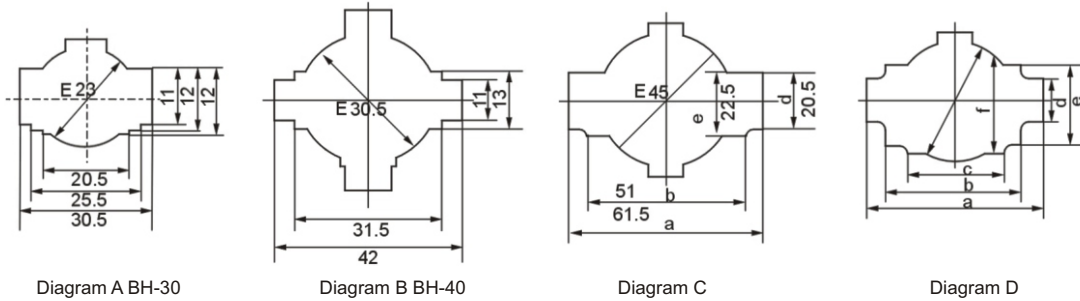
Table 1: BH-0.66 type I, 5A main technical data

Specification	Rated primary/secondary current	Remit to flow the row		Rated loading(VA)	Accuracy grade	Tallest work voltage(V)	Primary ampere-turn
		Cut the size(mm)	Root No.				
BH-30	15/5			2.5	1	660	5
	20/5			2.5	1	660	4
	30/5			2.5	1	660	3
	40/5			2.5	1	660	3
	50/5			2.5	1	660	2
	60/5			2.5	1	660	2
	75/5	30×10	1	2.5	1	660	2
	100/5	30×10	1	2.5	1	660	1
	150/5	30×10	1	2.5	0.5	660	1
	200/5	30×10	1	5	0.5	660	1
	250/5	30×10	1	5	0.5	660	1
	300/5	30×10	1	5	0.5	660	1

Specification	Rated primary/secondary current	Remit to flow the row				Rated loading(VA)	Accuracy grade	Tallest work voltage(V)	Primary ampere-turn	
		Cut the size(mm)		Root No.						
BH-40	15/5					2.5	1	660	5	
	20/5					2.5	1	660	4	
	25/5-30/5					2.5	1	660	3	
	40/5					2.5	1	660	2	
	50/5					2.5	1	660	2	
	60/5					2.5	1	660	2	
	75/5	40×10			1		2.5	1	660	1
	100/5	40×10			1		2.5	1	660	1
	150/5	40×10			1		2.5	0.5	660	1
	200/5	40×10			1		5	0.5	660	1
	250/5	40×10			1		5	0.5	660	1
	300/5	40×10			1		5	0.5	660	1
	400/5	40×10			1		5	0.5	660	1
	500/5	40×10			1		10	0.5	660	1
	600/5	40×10			1		10	0.5	660	1
	750/5	40×10			1		10	0.5	660	1
800/5	40×10			1		10	0.5	660	1	
BH-60	150/5	60×10	60×6	1	1-2	2.5	0.5	660	1	
	200/5	60×10	60×6	1	1-2	5	0.5	660	1	
	250/5	60×10	60×6	1	1-2	5	0.5	660	1	
	300/5	60×10	60×6	1	1-2	5	0.5	660	1	
	400/5	60×10	60×6	1	1-2	5	0.5	660	1	
	500/5	60×10	60×6	1	1-2	10	0.5	660	1	
	600/5	60×10	60×6	1	1-2	10	0.5	660	1	
	750/5	60×10	60×6	1	1-2	10	0.5	660	1	
	800/5	60×10	60×6	1	1-2	10	0.5	660	1	
	1000/5	60×10	60×6	1	1-2	15	0.2	660	1	
	1200/5	60×10	60×6	1	1-2	20	0.2	660	1	
	1500/5	60×10	60×6	1	1-2	20	0.2	660	1	
2000/5	60×10	60×10	1	1-2	40	0.2	660	1		
BH-80	300/5	80×10	60×10	1	1-2	5	0.2	660	1	
	400/5	80×10	60×10	1	1-2	5	0.2	660	1	
	500/5	80×10	60×10	1	1-2	10	0.2	660	1	
	600/5	80×10	60×10	1	1-2	10	0.2	660	1	
	800/5	80×10	60×10	1	1-2	10	0.2	660	1	
	1000/5	80×10	60×10	1	1-2	15	0.2	660	1	
	1200/5	80×10	60×10	1	1-2	20	0.2	660	1	
	1500/5	80×10	60×10	1	1-2	20	0.2	660	1	
	2000/5	80×10	60×10	1	1-2	40	0.2	660	1	
2500/5	80×10	60×10	1	1-2	40	0.2	660	1		
BH-100	600/5	100×10	80×10	1	1-2	10	0.2	660	1	
	800/5	100×10	80×10	1	1-2	10	0.2	660	1	
	1000/5	100×10	80×10	1	1-2	15	0.2	660	1	
	1200/5	100×10	80×10	1	1-2	20	0.2	660	1	

Specification	Rated primary/secondary current	Remit to flow the row				Rated loading(VA)	Accuracy grade	Tallest work voltage(V)	Primary ampere-turn
		Cut the size(mm)		Root No.					
BH-100	1500/5	100×10	80×10	1	1-2	20	0.2	660	1
	2000/5	100×10	80×10	1	1-2	40	0.2	660	1
	2500/5	100×10	80×10	1	1-2	40	0.2	660	1
	3000/5	100×10	80×10	1	1-2	40	0.2	660	1

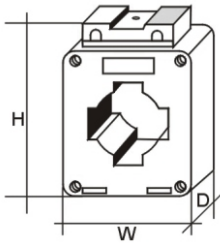
Diagrams and Tables of Window Size of BH-0.66 Series I



Corresponding table to diagram(mm)

Specification	φ	a	b	c	d	e	f
BH-80	52	81.5	61.5	42	10.4	31	37
BH-10	62	101.5	81.5	60.5	10.4	32	37

Diagrams and Tables of Overall Size of BH-0.66 Series I



Corresponding table to diagram(mm)

Specification	H	W	D
BH-30	78	59	30
BH-40	97	75	44
BH-60	126	102	46
BH-80	138	118	45
BH-100	154	145	45

Installation Way of BH-0.66 Series I Model

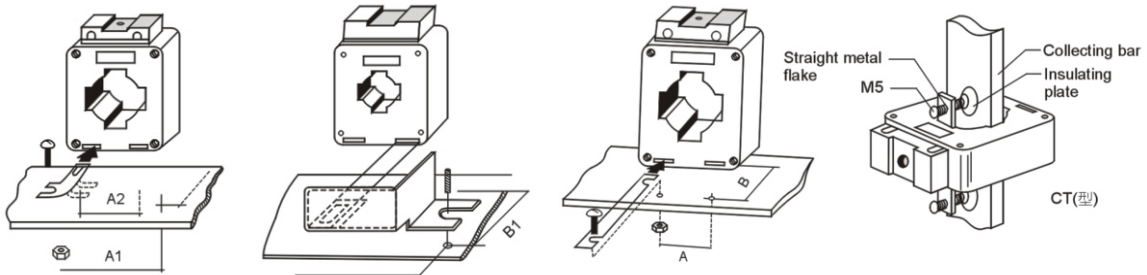


Diagram E Fix it with angled flake Diagram F Fix it on tow sides Diagram G Fix it with strainght flake Diagram H Straight metal flake tight

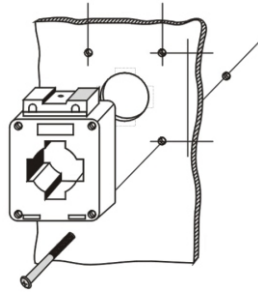


Diagram I Fix it with long screw

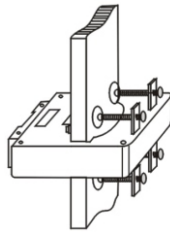


Diagram J Two-straight metal flake tight

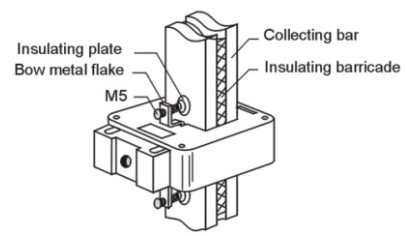


Diagram K Straight metal flake tight

Table 2: BH-0.66 type II, 5A main technical data

Specification	Rated primary/secondary current	Remit to flow the row		Rated loading(VA)	Accuracy grade	Tallest work voltage(V)	Primary ampere-turn
		Cut the size(mm)	Root No.				
BH-40II	15/5	40×10	1-2	2.5	0.5	660	1
	200/5	40×10	1-2	5	0.5	660	1
	250/5	40×10	1-2	5	0.5	660	1
	300/5	40×10	1-2	5	0.5	660	1
	400/5	40×10	1-2	5	0.5	660	1
	500/5	40×10	1-2	10	0.5	660	1
	600/5	40×10	1-2	10	0.5	660	1
	750/5	40×10	1-2	10	0.5	660	1
	800/5	40×10	1-2	10	0.5	660	1
	1000/5	40×10	1-2	15	0.2	660	1
	1200/5	40×10	1-2	20	0.2	660	1
	1500/5	40×10	1-2	20	0.2	660	1
	1600/5	40×10	1-2	20	0.2	660	1
BH-50II	15/5	50×10	1-2	2.5	0.5	660	1
	200/5	50×10	1-2	5	0.5	660	1
	250/5	50×10	1-2	5	0.5	660	1
	300/5	50×10	1-2	5	0.5	660	1
	400/5	50×10	1-2	5	0.5	660	1
	500/5	50×10	1-2	10	0.5	660	1
	600/5	50×10	1-2	10	0.5	660	1
	750/5	50×10	1-2	10	0.5	660	1
	800/5	50×10	1-2	10	0.5	660	1
	1000/5	50×10	1-2	15	0.2	660	1
	1200/5	50×10	1-2	20	0.2	660	1
	1500/5	50×10	1-2	20	0.2	660	1
	2000/5	50×10	1-2	40	0.2	660	1
BH-60II	15/5	60×10	1-2	2.5	0.5	660	1
	200/5	60×10	1-2	5	0.5	660	1
	250/5	60×10	1-2	5	0.5	660	1
	300/5	60×10	1-2	5	0.5	660	1
	400/5	60×10	1-2	5	0.5	660	1
	500/5	60×10	1-2	10	0.5	660	1
	600/5	60×10	1-2	10	0.5	660	1

Table 2: BH-0.66 type II, 5A main technical data

Specification	Rated primary/secondary current	Remit to flow the row		Rated loading(VA)	Accuracy grade	Tallest work voltage(V)	Primary ampere-turn
		Cut the size(mm)	Root No.				
BH-60II	750/5	60×10	1-2	10	0.5	660	1
	800/5	60×10	1-2	10	0.5	660	1
	1000/5	60×10	1-2	15	0.2	660	1
	1200/5	60×10	1-2	20	0.2	660	1
	1500/5	60×10	1-2	20	0.2	660	1
	2000/5	60×10	1-2	40	0.2	660	1
BH-80II	300/5	80×10	1-2	5	0.5	660	1
	400/5	80×10	1-2	5	0.5	660	1
	500/5	80×10	1-2	10	0.5	660	1
	600/5	80×10	1-2	10	0.5	660	1
	750/5	80×10	1-2	10	0.5	660	1
	800/5	80×10	1-2	10	0.5	660	1
	1000/5	80×10	1-2	15	0.2	660	1
	1200/5	80×10	1-2	20	0.2	660	1
	1500/5	80×10	1-2	20	0.2	660	1
	2000/5	80×10	1-2	40	0.2	660	1
2500/5	80×10	1-2	40	0.2	660	1	

Table 3: BH-0.66 type III, 5A main technical data

Specification	Rated primary/secondary current	Remit to flow the row		Rated loading(VA)	Accuracy grade	Tallest work voltage(V)	Primary ampere-turn
		Cut the size(mm)	Root No.				
BHII-80×50	400/5	80×10	1-3	5	0.5	660	1
	500/5	80×10	1-3	10	0.5	660	1
	600/5	80×10	1-3	10	0.5	660	1
	750/5	80×10	1-3	10	0.5	660	1
	800/5	80×10	1-3	10	0.5	660	1
	1000/5	80×10	1-3	15	0.2	660	1
	1200/5	80×10	1-3	20	0.2	660	1
	1500/5	80×10	1-3	20	0.2	660	1
	2000/5	80×10	1-3	40	0.2	660	1
	2500/5	80×10	1-3	40	0.2	660	1
BH-100II	3000/5	80×10	1-3	40	0.2	660	1
	400/5	100×10	1-3	5	0.5	660	1
	500/5	100×10	1-3	10	0.5	660	1
	600/5	100×10	1-3	10	0.5	660	1
	750/5	100×10	1-3	10	0.5	660	1
	800/5	100×10	1-3	10	0.5	660	1
	1000/5	100×10	1-3	15	0.2	660	1
	1200/5	100×10	1-3	20	0.2	660	1
	1500/5	100×10	1-3	20	0.2	660	1
	2000/5	100×10	1-3	40	0.2	660	1
	2500/5	100×10	1-3	40	0.2	660	1
	3000/5	100×10	1-3	40	0.2	660	1
	4000/5	100×10	1-3	40	0.2	660	1

Table 3: BH-0.66 type III, 5A main technical data

Specification	Rated primary/secondary current	Remit to flow the row				Rated loading(VA)	Accuracy grade	Tallest work voltage(V)	Primary ampere-turn
		Cut the size(mm)		Root No.					
BH-120II	600/5	120×10		1-3		10	0.5	660	1
	750/5	120×10		1-3		10	0.5	660	1
	800/5	120×10		1-3		10	0.5	660	1
	1000/5	120×10		1-3		15	0.2	660	1
	1200/5	120×10		1-3		20	0.2	660	1
	1500/5	120×10		1-3		20	0.2	660	1
	2000/5	120×10		1-3		40	0.2	660	1
	2500/5	120×10		1-3		40	0.2	660	1
	3000/5	120×10		1-3		40	0.2	660	1
	4000/5	120×10		1-3		40	0.2	660	1
	5000/5	120×10		1-3		40	0.2	660	1
BH-180II	600/5	80×10	180×10	4	1-2	10	0.5	660	1
	750/5	80×10	180×10	4	1-2	10	0.5	660	1
	800/5	80×10	180×10	4	1-2	10	0.5	660	1
	1000/5	80×10	180×10	4	1-2	15	0.2	660	1
	1200/5	80×10	180×10	4	1-2	20	0.2	660	1
	1500/5	80×10	180×10	4	1-2	20	0.2	660	1
	2000/5	80×10	180×10	4	1-2	40	0.2	660	1
	2500/5	80×10	180×10	4	1-2	40	0.2	660	1
	3000/5	80×10	180×10	4	1-2	40	0.2	660	1
	4000/5	80×10	180×10	4	1-2	40	0.2	660	1
	5000/5	80×10	180×10	4	1-2	40	0.2	660	1
BH-200II	600/5	100×10	200×10	4	1-2	10	0.5	660	1
	750/5	100×10	200×10	4	1-2	10	0.5	660	1
	800/5	100×10	200×10	4	1-2	10	0.5	660	1
	1000/5	100×10	200×10	4	1-2	15	0.2	660	1
	1200/5	100×10	200×10	4	1-2	20	0.2	660	1
	1500/5	100×10	200×10	4	1-2	20	0.2	660	1
	2000/5	100×10	200×10	4	1-2	40	0.2	660	1
	2500/5	100×10	200×10	4	1-2	40	0.2	660	1
	3000/5	100×10	200×10	4	1-2	40	0.2	660	1
	4000/5	100×10	200×10	4	1-2	40	0.2	660	1
	5000/5	100×10	200×10	4	1-2	40	0.2	660	1

Table 4: BH-0.66 type III, 5A main technical data

Specification	Rated primary/secondary current	Remit to flow the row		Rated loading(VA)	Accuracy grade	Tallest work voltage(V)	Primary ampere-turn
		Cut the size(mm)	Root No.				
BH-20III	5/5-60/5			10	1	660	Take once coil
	75/5			10	1	660	
	100/5			10	1	660	
	150/5	20×10	1	10	1	660	1
	200/5	20×10	1	10	1	660	1

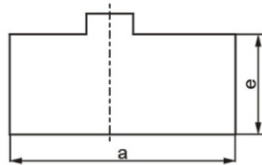
Table 4: BH-0.66 type III, 5A main technical data

Specification	Rated primary/secondary current	Remit to flow the row		Rated loading(VA)	Accuracy grade		Tallest work voltage(V)	Primary ampere-turn
		Cut the size(mm)	Root No.					
BH-30III	5/5-60/5			10	0.5	0.2	660	Take once coil
	75/5			10	0.5	0.2	660	
	100/5			10	0.5	0.2	660	
	150/5			10	0.5	0.2	660	
	200/5			10	0.5	0.2	660	
	250/5	30×10	1	10	0.5	0.2	660	
	300/5	30×10	1	10	0.5	0.2	660	1
	400/5	30×10	1	10	0.5	0.2	660	1
	500/5	30×10	1	10	0.5	0.2	660	1
	600/5	30×10	1-2	10	0.5	0.2	660	1
BH-50III	400/5	50×10	1	10	0.5	0.2	660	1
		50×5	1-2	10	0.5	0.2	660	1
	500/5	50×10	1	10	0.5	0.2	660	1
		50×5	1-2	10	0.5	0.2	660	1
	600/5	50×10	1	10	0.5	0.2	660	1
		50×5	1-2	10	0.5	0.2	660	1
	800/5	50×10	1	10	0.5	0.2	660	1
		50×5	1-2	10	0.5	0.2	660	1
	1000/5	50×10	1-2	15	0.2	660	1	
		60×10	1-2	15	0.2	660	1	
BH-60III	500/5	60×10	1-2	10	0.5	0.2	660	1
	600/5	60×10	1-2	10	0.5	0.2	660	1
	800/5	60×10	1-2	10	0.5	0.2	660	1
	1000/5	60×10	1-2	15	0.2	660	1	
	1500/5	60×10	1-2	20	0.2	660	1	
	1600/5	60×10	1-2	20	0.2	660	1	
	2000/5	60×10	1-2	40	0.2	660	1	
BH-80III	500/5	80×10	1-2	10	0.5	0.2	660	1
	600/5	80×10	1-2	10	0.5	0.2	660	1
	800/5	80×10	1-2	10	0.5	0.2	660	1
	1000/5	80×10	1-2	15	0.2	660	1	
	1200/5	80×10	1-2	20	0.2	660	1	
	1500/5	80×10	1-2	20	0.2	660	1	
	2000/5	80×10	1-2	40	0.2	660	1	
	2500/5	80×10	1-2	40	0.2	660	1	
	3000/5	80×10	1-2	40	0.2	660	1	
BH-100III	800/5	100×10	1-2	10	0.5	0.2	660	1
	1000/5	100×10	1-2	15	0.2	660	1	
	1500/5	100×10	1-2	20	0.2	660	1	
	2000/5	100×10	1-2	40	0.2	660	1	
	2500/5	100×10	1-2	10	0.2	660	1	
	3000/5	100×10	1-2	10	0.2	660	1	
	4000/5	120×10	1-3	10	0.2	660	1	

Table 4: BH-0.66 type III, 5A main technical data

Specification	Rated primary/secondary current	Remit to flow the row		Rated loading(VA)	Accuracy grade	Tallest work voltage(V)	Primary ampere-turn
		Cut the size(mm)	Root No.				
BH-120III	1000/5	120×10	1-3	10	0.2	660	1
	1500/5	120×10	1-3	10	0.2	660	1
	2000/5	120×10	1-3	10	0.2	660	1
	2500/5	120×10	1-3	10	0.2	660	1
	3000/5	120×10	1-3	10	0.2	660	1
	4000/5	120×10	1-3	10	0.2	660	1
	5000/5	120×10	1-3	10	0.2	660	1

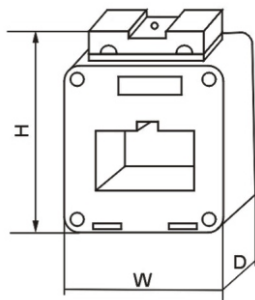
Diagrams and Tables of BH-0.66 II Series Window Size



Corresponding table to diagram(mm)

Specification	a	e
BH-40 II	42	31
BH-50 II	52	31
BH-60 II	62	32
BH-80 II	82	32
BH-80 II × 50	82	52
BH-100 II	102	32
BH-120 II	122	53
BH-180 II	182	34
BH-200 II	204	35

Diagrams and Tables of Size of BH-0.66 II Series Product



Corresponding table to diagram(mm)

Specification	H	W	D
BH-40 II	103	75	45
BH-50 II	103	87	45
BH-60 II	112	99	45
BH-80 II	119	118	45
BH-80 II × 50	141	120	46
BH-100 II	127	140	48
BH-120 II	151	167	48
BH-180 II	115	228	50
BH-200 II	133	224	50

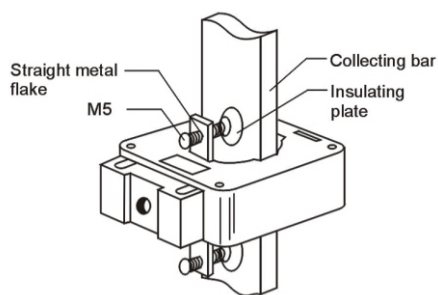


Diagram L

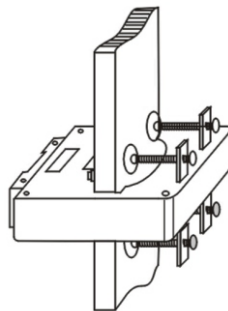


Diagram M

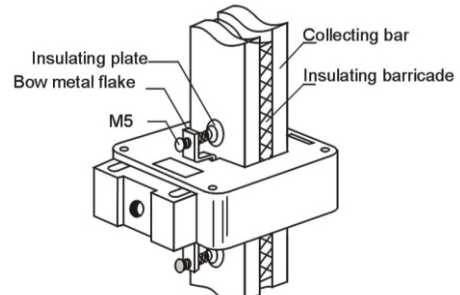


Diagram N