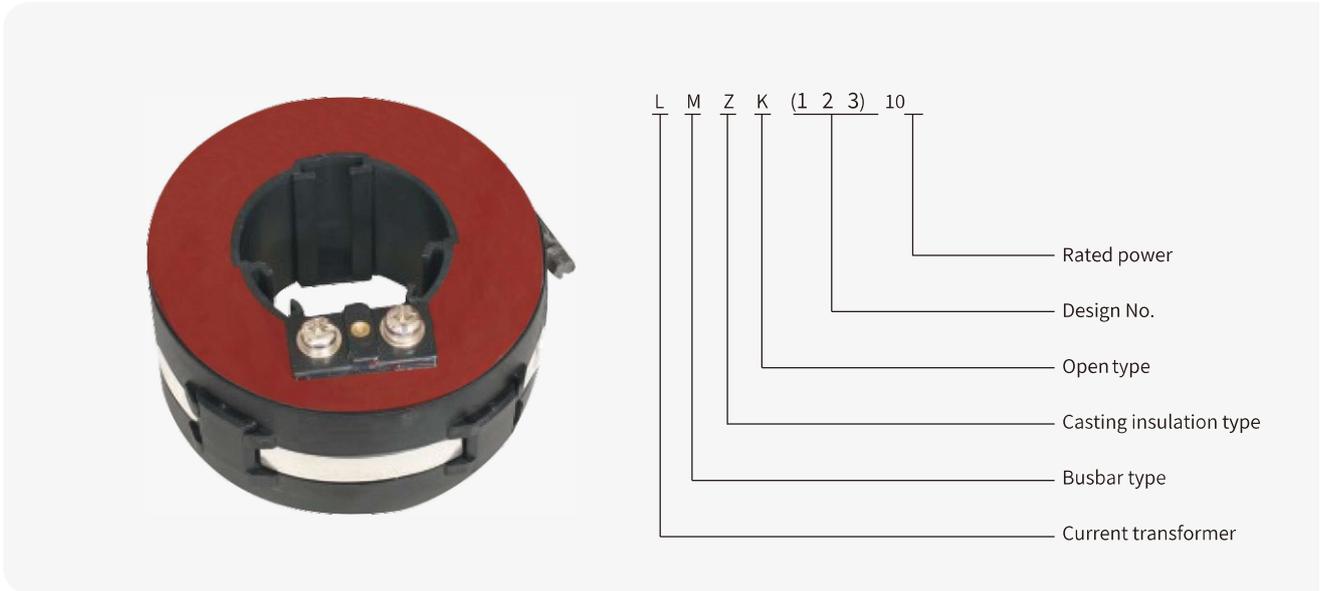


Model description



Description

LMZK10 series cassette current transformer is suitable for current measurement and microcomputer protection of electrical equipment in 10kV AC power system. The current transformer has the characteristics of small volume, light weight, openable and easy to install. It is widely used in the switch cabinet of compact fully insulated ring main unit. It is easy and fast to install when it is directly stuck on the connected incoming and outgoing cables. It has been widely used in ABB safe ring / plus, uniswitch, Schneider RM6 / sm6, Eaton SVS, Germany GA / Ge, France FB, South Korea SS and other compact fully insulated ring main unit switch cabinet, as well as in combined substation and cable distribution box.

The current transformer uses high quality imported silicon steel sheet with high permeability as magnetic conductive material, which has the characteristics of separable iron core and low magnetic circuit loss. Its semicircular core and secondary winding are vacuum cast with highquality epoxy resin in a flameretardant plastic shell, which is moisture proof, stable and maintenance free.

During installation, two semicircular rings are clamped on the split phase cable and tightly held with hoops. They are integrated with the cable, harmonious and beautiful. 35mm240mm 210kV cable can be applied. The hoops are made of highquality stainless steel, firm and reliable, and no eddy current.

According to the current ratio, accuracy level and rated load, the series can be divided into three types. Open type current transformers with different specifications and parameters can be customized according to user's requirements.

Technical data

Type	Primary rated current range	Rated load range	Spec. Dim(mm)	Weight(kg)
LMZK1-10	300600A	≤10VA	Φ 100*Φ 50*35	0.7
LMZK2-10	50600A	≤40VA	Φ 110*Φ 50*53	1.2
LMZK3-10	30600A	≤60VA	Φ 110*Φ 50*105	2.4

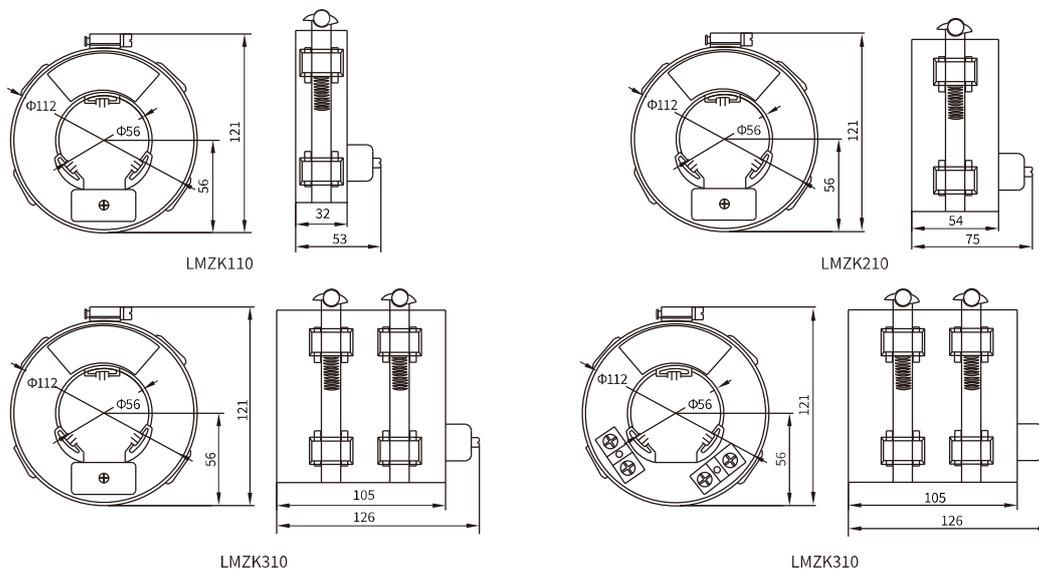
Type	LMZK1-10					
Purpose	Measuring current transformer			Protection current transformer		
Ratio I1/I2	Accuracy class and rated burden(VA)			Accuracy class and rated burden(VA)		
	0.5	1	3	10P15	10P10	10P5
300/1	1	2.5	3.75			1
400/1	2.5	3.75	3.75		1	2.5
500/1	2.5	3.75	5		2.5	3.75
600/1	2.5	3.75	5	1	2.5	3.75
300/5	2.5	3.75	5			2.5
400/5	3.75	5	7.5			3.75
500/5	5	7.5	10		2.5	5
600/5	5	7.5	10		2.5	5

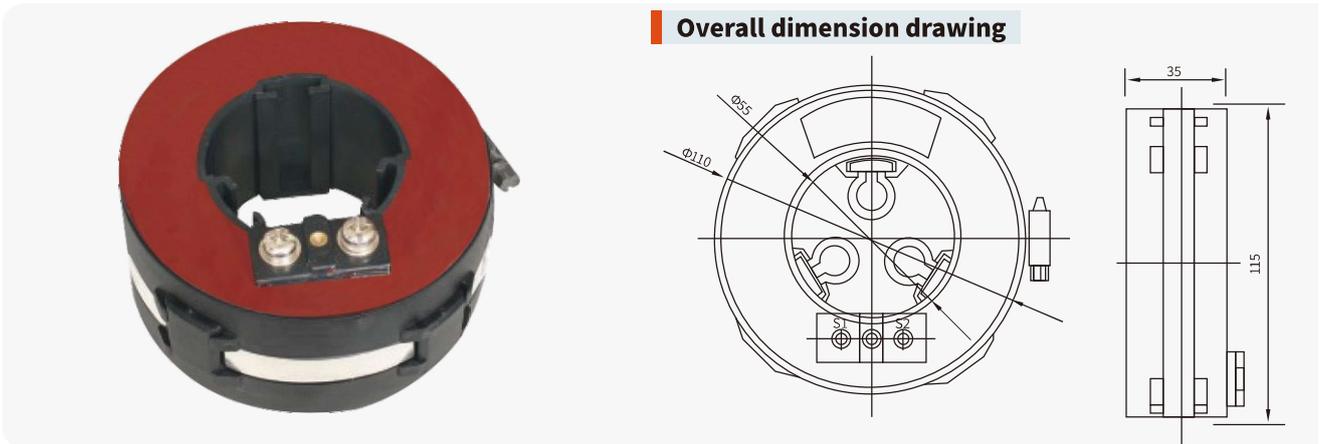
Type	LMZK2-10					
Purpose	Measuring current transformer			Protection current transformer		
Ratio I1/I2	Accuracy class and rated burden(VA)			Accuracy class and rated burden(VA)		
	0.2	0.5	1	10P15	10P10	10P5
50/1		1	2.5			1
75/1		2.5	2.5		1	1
100/1		2.5	3.75		1	2.5
150/1		3.75	5		2.5	2.5
200/1		5	7.5	1	2.5	3.7
300/1	2.5	7.5	15	2.5	2.5	5
400/1	7.5	15	20	2.5	3.75	7.5
500/1	10	20	30	3.75	5	10
600/1	10	20	30	5	7.5	15
75/5			2.5			1
100/5		2.5	2.5			1
150/5		2.5	5		1	2.5
200/5		5	7.5		1	2.5
300/5		5	10	1	2.5	5
400/5		7.5	15	1	2.5	5
500/5	5	15	20	2.5	3.75	7.5
600/5	10	20	30	2.5	5	10

Technical data

Type	LMZK3-10										
Purpose	Measuring current transformer			Protection current transformer			Double winding current				
Ratio I1/I2	Accuracy class and rated burden(VA)			Accuracy class and rated burden (VA)			Accuracy class and rated burden(VA)				
	0.2	0.5	1	10P15	10P10	10P5	0.5	1	10P10	10P5	
20/1			1			1					
30/1			1		1	1					
40/1		1	12.5		1	2.5					
50/1		2.5	2.5		2.5	2.5		1			
75/1		2.5	3.75	1	2.5	3.75	1	2.5	1	2.5	
100/1		3.75	5	2.5	3.75		2.5	2.5	1		
150/1		3.75	5	2.5	3.75		2.5		2.5		
200/1		5	7.5	3.75	5		3.75		2.5		
300/1	2.5	10	15	5	7.5		5		3.75		
400/1	5	15	20	7.5	10		7.5		3.75		
500/1	10	25	40	7.5	10		10		5		
600/1	15	30	50	10	15		15		7.5		
50/5			2.5			2.5					
75/5		2.5	5			2.5		2.5			1
100/5		3.75	7.5		2.5	3.75	2.5				1
150/5		5	7.5		2.5	5	3.75				2.5
200/5		7.5	10		2.5	7.5	5		1	2.5	
300/5		10		3.75	5	10	7.5		12.5	5	
400/5	5	15		3.75	5	10	10		5	10	
500/5	10	20		5	7.5	15	15		7.5	15	
600/5	10	30		5	7.5	15	20		10	20	

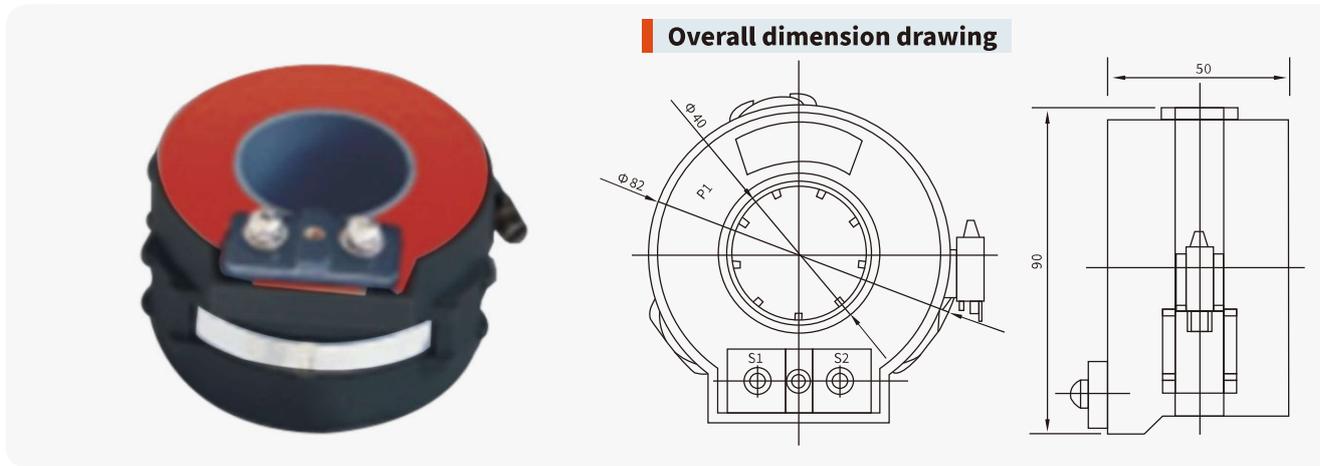
Overall dimension drawing





Technical data

Product Category	Measuring current transformer			Protective current transformer		
	Accuracy class and rated burden(VA)			Accuracy class and rated burden(VA)		
Rated current ratio I1/I2(A/A)	0.5	1.0	3.0	10P15	10P10	10P5
300/1	1.5	3.75	3.75			1.5
400/1	2.5	3.75	3.75		1.5	2.5
500/1	2.5	3.75	3.75	1	2.5	3.75
600/1	3.75	5	5	1.5	2.5	5
300/5	2.5	3.75	3.75		1.5	2.5
400/5	3.75	5	5		2.5	5
500/5	3.75	5	5	2.5	3.75	7.5
600/5	5	7.5	7.5	2.5	3.75	7.5



Technical data

Product Category	Measuring current transformer			Protective current transformer		
	Accuracy class and rated burden(VA)			Accuracy class and rated burden(VA)		
Rated current ratio I1/I2(A/A)	0.5	1.0	3.0	10P15	10P10	10P5
100/1	0.5	1	1.5			1.5
150/1	1	1.5	2.5		1	2.5
200/1	1.5	2.5	3.75	1	1.5	3.75
300/1	2.5	2.5	3.75	1.5	2.5	5
300/5	2.5	3.75	5	1.5	2.5	5
400/5	5	5	7.5	2.5	3.75	7.5
500/5	5	5	7.5	2.5	3.75	7.5
600/5	5	5	7.5	3.75	5	7.5