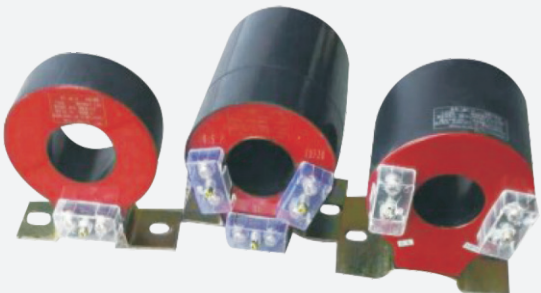


### Through core current transformer



#### 型号含义/Model description

L	M	Z	C	(1 2 3)	10	
						额定功率 Rated power
						设计序号 Design No.
						塑壳式 Molded case type
						浇注绝缘式 Casting insulation type
						母线式 Busbar type
						电流互感器 Current transformer

#### 概述/Description

LMZC10 高精度电流互感器适用于交流电力系统35kV和10kV以下供电设备的电流、电能测量和保护。该电流互感器具有体积小、重量轻、便于安装等特点，已在ABB Safe Ring/Plus、Uniswitch、施耐德RM6/SM6、伊顿SVS、德国GA/GE、法国FB、韩国SS等紧凑型全绝缘环网柜开关柜中广泛应用，亦用于组合式变电站和电缆分接箱中。

该系列电流互感器的测量铁芯选用磁导率较高、饱和磁感应强度较低的复合合金铁芯作为导磁材料，具有较高的测量准确度和仪表保安系数，优质进口硅钢片经先进工艺加工后作为保护绕组的铁芯，保证了准确限值系数。

环型铁芯和二次绕组采用优质环氧树脂真空浇注在可燃的塑料壳体内，防潮、性能稳定，无需维护。该型电流互感器体积小、重量轻，占用空间小，固定在环网柜开关柜的电缆室内，安装时只需将电缆从内孔穿过，简便快捷，和谐美观。

依据电流变比，准确级和额定负载不同，该系列电流互感器分为以下几种类型，具体参数详见各型号对应的参数表。

LMZC10 high precision current transformer is suitable for current and energy measurement and protection of power supply equipment under 35kV and 10kV in AC power system. It has been widely used in ABB safe ring / plus, uniswitch, Schneider RM6 / SM6, Eaton SVS, GA / GE of Germany, FB of France, SS of Korea and other compact fully insulated ring main unit switch cabinets, as well as in combined substation and cable distribution box.

The measuring iron core of this series of current transformers selects the composite alloy iron core with high permeability and low saturation magnetic induction strength as the magnetic conducting material, which has high measurement accuracy and instrument security coefficient. The high quality imported silicon steel sheet is used as the iron core of protective winding after being processed by advanced technology, which ensures the accuracy limit coefficient.

The ring type iron core and secondary winding are made of high quality epoxy resin and vacuum cast in the flame retardant plastic shell, which is moisture resistant, stable and maintenance free. This type of current transformer is small in volume, light in weight and small in space. It is fixed in the cable room of the ring main unit switch cabinet. When it is installed, it only needs to pass the cable through the inner hole, which is simple, fast, harmonious and beautiful.

According to the current transformation ratio, accuracy level and rated load, the series of current transformers are divided into the following types, and the specific parameters are shown in the corresponding parameter table of each model.

### Through core current transformer

#### 技术参数/Technical data

型号 Type	LMZC1、2、310										
用途 Purpose	测量电流互感器 Measuring current transformer			保护电流互感器 Protection current transformer			双绕组电流互感器 Double winding current				
电流比 Ratio I1/I2	准确级及额定负载(VA) Accuracy class and rated burden			准确级及额定负载(VA) Accuracy class and rated burden			准确级及额定负载(VA) Accuracy class and rated burden				
	0.2S	0.2	0.5	10P15	10P10	10P5	0.2	0.5	10P10	10P5	
40/1						1					
50/1		1	1		1	1					
75/1		1	1	1	1	2.5					1
100/1		2.5	2.5	1	1	3.75		1	1	1	2.5
150/1	2.5	3.75	3.75	1	2.5	5	1	1	1	1	3.75
200/1	3.75	5	5	12.5	3.75	7.5	1	2.5	2.5	2.5	5
300/1	5	7.5	7.5	3.7	5	12.5	2.5	3.75	3.75	3.75	7.5
400/1	7.5	10	10	5	7.5	15	3.75	5	3.75	3.75	7.5
500/1	10	12.5	12.5	5	10	20	5	5	5	5	10
600/1	12.5	15	15	5	12.5	25	5	7.5	7.5	7.5	15
100/5	2.5	2.5	2.5	7.5	1	3.75		1	1	1	2.5
150/5	3.7	3.75	3.75	1	2.5	5		1	1	1	3.75
200/5	5	5	5	12.5	3.75	7.5	1	2.5	2.5	2.5	5
300/5	5	7.5	7.5	3.75	5	12.5	2.5	3.75	3.75	3.75	7.5
400/5	7.5	10	10	5	7.5	15	3.75	5	3.75	3.75	7.5
500/5	10	12.5	12.5	5	10	20	5	5	5	5	10
600/5	12.5	15	15	7.5	12.5	25	5	7.5	7.5	7.5	15

#### 外形安装尺寸/Overall dimension drawing

