

电缆式零序电流互感器

Cable type Zero sequence current transformer



LJ-2,4,7,LJ1 系列零序电流互感器

LJ-2,4,7,LJ1 Zero sequence current transformer

概述 Description

本系列零序电流互感器适用于户内、额定频率50Hz或60Hz、额定电压35kV及以下的小接地电流系统中供电电缆接地保护用。与本系列电流互感器配套使用的继电器型号为DD-11/60型。

These series of zero current transformers are used indoor. They are used for over driven current protection in the electric non-useful-ground neutral system up to rated frequency 50Hz or 60Hz and rated voltage 35kV. The type of the relay fitting with the transformers is DD-11/60.

型号含义 Type designation

L J □ - 2,4,7

— 可穿电缆根数(Number of the cables)
— 设计序号(Design NO.)
— 接地保护用(For zero sequence earthen protection)
— 电流互感器(Current transformer)

结构简介 Construction

本系列零序电流互感器的铁心为环形，二次绕组均匀绕制在铁心上，用夹件夹紧铁心，夹件备有安装孔。

The iron core of the product is annular. The secondary winding go uniformity around the core. The clip clamps the core.

技术参数 Technical data

1.本系列零序电流互感器一次主绝缘由电缆保证，产品仅考核二次绕组的绝缘性能。

二次绕组对地能承受3kV工频耐压。

2.本系列零序电流互感器的灵敏度满足下表的要求：

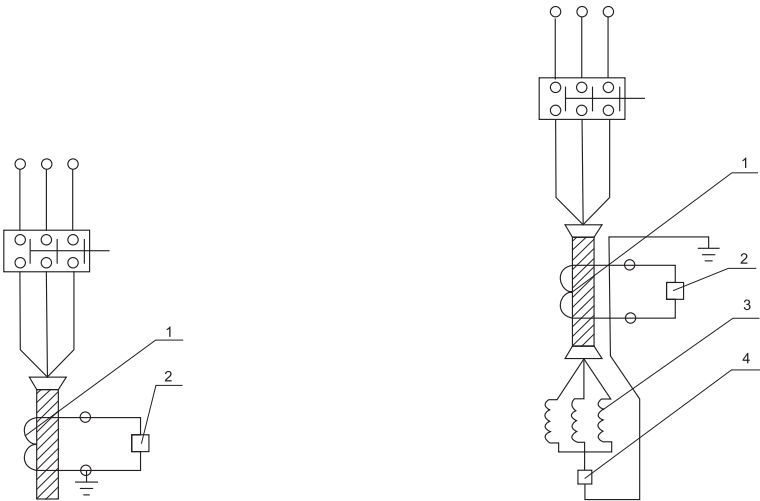
1. Because the cable protects the primary main insulation, so, the insulation characteristics of secondary winding are only examined. The secondary winding can be able to withstand the power frequency test voltage of 3kV to ground.

2. The sensitivity of the product shall meet the requirements listed in from.

型号 Type	可穿电缆根数 Number of cables	二次回路 Secondary loop			额定电流比 Rated current ratio(A)
		二次负荷 Secondary Output(Ω)	整定电流 Adjustment Current(A)	灵敏度 Sensitive(A)	
LJ-2	1~2	10	0.03	1~3	20/1
LJ-4	3~4				
LJ-7	5~7				40/1

注：电缆外径为 $\phi 50\text{mm}$ 以下；当大于 $\phi 50\text{mm}$ 时，须采用大一号的零序电流互感器。

Notes: The outside diameter of the cable must be bellow of the 50mm. If the outside diameter is than 50mm, please choose the bigger zero sequence current transformers.



电流互感器(Current transformer)
继电器(Relay)
无接地电阻时的电流互感器的接线图
Wiring diagram non eartg resustabce

有接地电阻时的电流互感器的接线图
Wiring diagram with eartg resustabce
1.电流互感器(current transformer)
2.继电器(Relay)
3.被保护物(object being proteitted)
4.接地电阻(Eartg resustabce)

外形尺寸 Overall Dimension

LJ-2,4,7.LJ1 Overall Dimension

型号 type	A	B	H	ϕD	ϕd
LJ-2	150	200	295	230	110
LJ-4	220	280	335	285	140
LJ-7	220	300	375	300	180
LJ1	80	125	170	135	80

