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Product Name :

Distance Protection Relay

Product Code :

SLE/EPS/12



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Description :

Distance Protection Relay (Product Code: SLE/EPS/12) is a relay module used to teach full-scheme phase and ground distance protection, with up to five zones, in power system protection laboratories. Based on an industrial numerical relay, it also provides overcurrent, earth fault, negative sequence, thermal overload and broken conductor functions, programmed from its keypad or a computer. It is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Key Details

Parameter	Detail
Relay	Based on an industrial numerical relay
Distance protection	Full scheme phase and ground distance protection, up to fivezones
Overcurrent functions	Directional/non-directional phase overcurrent; directional/non-directional negative sequence overcurrent
Earth fault	Directional/non-directional earth fault
Other protection	Thermal overload protection; broken conductor
Element blocking	Blocking of any one protection element
Records	Creates fault and disturbance records
Programming	Keypad and display on the relay module, or relay setting software on a suitable computer
Test setup	Fault circuits set up on the test rig it is used with; relay module then connected to them
Construction	Enclosed, mains-protected bench panel
Inputs/outputs	Isolated test inputs and fused outputs
Features	CT shorting facilities and labelled terminals
Includes	Experiment manual
Inputs	VT/CT inputs
Functions	Distance protection with protection zones
Product code	SLE/EPS/12
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Distance Protection Relay Used For?

A distance relay judges how far away a fault is by comparing voltage and current — in effect measuring the impedance to the fault — and responds according to the zone the fault falls in. This module lets students program up to five zones of full-scheme phase and ground distance prote

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