

3. Quality of energy

Study case for grounding schemes and selectivity

Training objectives

- Studying the various ground link schemes.
- Studying the usefulness and operation of the protective devices.
- Selecting the most suitable protective system for an installation.
- Determining the fault currents.
- Studying ammeter and chronometric selectivity systems.

Presentation

This box is designed for studying protection of persons and property in an installation with a TT type grounding scheme.

The equipment consists of various electrical protection devices and resistors that can be used to simulate the human body or various types of equipment connected to the network.

Description

Contents	
Description	Quantity
Isolating transformer	1
Set of resistors	1
Vigirex differential relay	1
Circuit breaker with voltage emission tripping device	1
Circuit breaker with 300 mA differential	1
Circuit breaker with 30 mA differential	1

Accessories supplied

- 1 pushbutton to create a fault.
- 1 general protection circuit breaker.
- 1 power supply cable.

Accessories to be ordered separately

- Set of 4 mm safety leads.

References	
Description	Reference No.
A2E study case for grounding schemes and selectivity	MD3BPSLTSC
Set of leads for A2E study case for grounding schemes	MD1BPSLTCO



Grounding scheme box + set of leads