

IKI-22

Directional fault indicator



Directional fault indication for all types of networks

Directional detection, indication and signalisation of short-circuits and earth-faults.
Transient earth-fault direction indication for isolated or compensated networks.

No need for voltage transformers, voltage signal is derived from VDS type Capdis

Voltage signals for directional indication are derived from voltage detection system Capdis via Y-cable.

Earth-fault detection without balanced core CT

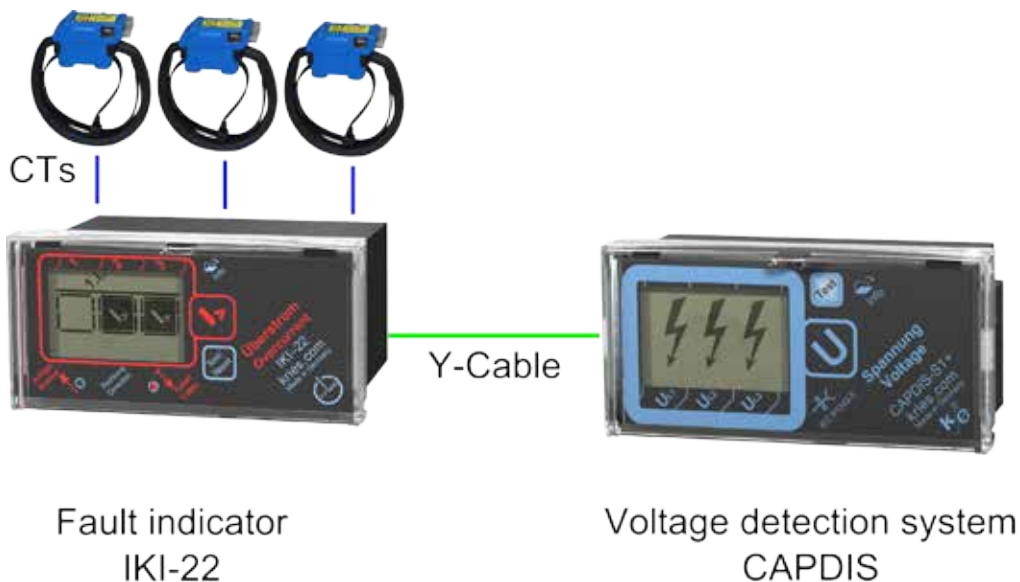
Zero sequence current is calculated by summation of all three phase currents.
Therefore no balanced core CT is necessary.

No auxiliary power needed

Basic short-circuit and earth fault detection without the need to connect IKI-22 to auxiliary power. For transient earth-fault detection auxiliary voltage is needed.

Simple user-interface

Concept of indication and setting is identical to all other IKI-20. IKI-22 integrates seamless into the fault-detector series IKI-20: Indication of faulty phase via LCD, indication of first and second fault, indication of fault direction via LED, setting via DIP-switches, test and reset with test button.



Fault indicator
IKI-22

Voltage detection system
CAPDIS



Pickup current short-circuit	100, 200, 300, 400, 600, 800, 1000, 2000 A
Pickup time short-circuit	60, 80, 150, 200 ms
Pickup current earth fault	40, 80, 100, 200 A
Pickup time earth fault	60, 80, 150, 200 ms
Transient earth fault detection	Pickup voltage adjustable Pickup current adjustable Wait for zero sequence voltage 0, 100 ms, 1 s, 5 s
Reset	auto, 2 h, 4 h, external
Input	Remote reset by external dry contact 3 x CTs Remote test by external dry contact
Outputs – Four contacts	Short-circuit forward and backward Earth-fault forward and backward
Indication buffer	Lithium battery, 3.6 Ah, life-time minimum 15 years
Auxiliary power	24..230 VAC/DC, max. 2 VA Only needed for transient earth-fault direction detection
Housing	Panel mount (DIN 43700)
Dimensions	96 x 48 x 80 mm (w x h x d)
Recommended cut out	92 x 45 mm (w x h)

