

SIEMENS

SIPROTEC easy

Numerical Overcurrent-Time Protection –
two Devices, many Advantages



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easy

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Numerical Overcurrent-Time Protection

SIPROTEC® easy are 2-stage numerical overcurrent protection devices and are primarily intended as a radial feeder or transformer protection (backup) in medium-voltage networks.

They provide definite-time and inverse-time characteristics according to IEC and ANSI standards. They prove themselves every day in substations and transformer substations. The SIPROTEC easy 7SJ45 is powered by current transformers (CT), the power is supplied from the load or short-circuit current via the standard current transformers. This makes it particularly interesting for use in substations for the secondary distribution. The auxiliary power supplied SIPROTEC easy 7SJ46 is suitable for universal application due to a wide range AC/DC power supply.

Compact dimensions, simple to install

The devices are extremely compact and work in accordance to the simple principle of "plug and protect." There is minimal assembly work, because SIPROTEC easy contain all required components: for signal and command output as well as for control and display.

Housing – suitable for all environments

The housing of the devices is dimensioned for standard cut-out in existing switchgear panels. Alternatively, rail mounting is deliverable. A version for the most adverse environmental conditions, even with extreme humidity (condensation allowed), is also available.

Modern measurement technique

Due to the numerical processing of measured values, the influence of higher-frequency transient phenomena and transient DC components is largely suppressed. The behaviour of electromechanical relays is emulated in the device. An application of this device next to and in parallel with electromechanical relays is possible.

High availability thanks to permanent self-monitoring

During operation, the hardware and software in the protection device are continuously monitored. This achieves a very high degree of availability.

Simple and quick setting

Dip switches are used for setting the parameters of the protection devices. Very simple, very quick. SIPROTEC easy allows a fast commissioning.

Product range



CT-powered SIPROTEC easy (7SJ45)



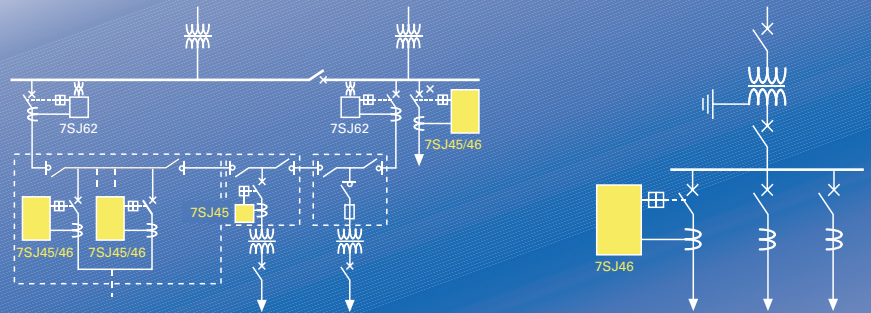
CT-powered SIPROTEC easy (7SJ45) with mechanical trip indication



Auxiliary power supplied SIPROTEC easy (7SJ46)



Typical applications



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