

SIPROTEC 7SY82

Universal Protection Device with Low-Power-Instrument-Transformer Inputs

[siemens.com/7SY82](https://www.siemens.com/7SY82)

What is it?

- SIPROTEC 7SY82 is a universal protection device specially designed for installations equipped with Low-Power Instrument-Transformers (LPIT)

Key customer groups, decision makers and persons

- Switchgear Manufacturer
- Distribution Grids
- Industry & Infrastructure
- Protection Engineers
- Value Added Reseller



Benefits

- As an universal device it helps you in optimizing the number of variants and spare-parts costs
- Use the advantage of LPIT technology like size and weight reduction of the switchgear, cost savings, no hazardous voltages on open CT circuits, less wiring and reduction of variants compared to conventional instrument transformers
- The unique, patented and universal LPIT input design makes the SIPROTEC 7SY82 a benchmark for LPIT devices

Key features

- Applicable for most available LPIT sensor types according to IEC 61869
- Efficient sensor type configuration (current or voltage) via software
- Extension of the function point class via SIPROTEC Function Point Manager
- Easy secondary injection with optional test box for commissioning and test purpose
- Simple connection of 8 LPIT sensors via RJ45 inputs

Customer Journey of a switchgear manufacturer

Design your new distribution switchgear type with minimum transformer and device variance

- Define only one LPIT type for current measurement, for operating currents from e.g. 50 to 1250 A (LPIT with only one ratio)
- Specify 7SY82 for your universal LPIT protection device to lever variant reduction also for the protection relay type

Integrate SIPROTEC 7SY82 in your switchgear assembly

- Take SIPROTEC 7SY82 out of your stock and install it in the specific switchgear bay
- Generate the license file (DAF) for the specific application on demand and instantly
- Load the DAF file in the device via SIPROTEC tools (7SY82 is prepared for the specific configuration)
- Connect SIPROTEC 7SY82 to the sensors by just plugging the RJ45 connectors (no screws), apply the test box
- Test wiring via the SIPROTEC tools application

Order SIPROTEC 7SY82 and function point budget and put SIPROTEC 7SY82 in your stock

- Order a higher number of only one or at a maximum three 7SY82 standard variants (without application / FP-class)
- Put them in your stock (minimal variance, in best case zero), for instant use and without waiting time
- Order a FP-budget, allowing you to assign the required FP class to the device instantly on demand

Configure and test SIPROTEC 7SY82

- Select the sensor type from the sensor type library
- Load the sensor specific calibration data from our cloud into the configuration by entering the sensor serial number
- Load the configuration into the device
- Inject secondary current and voltages via the test box without removing the sensor connection

