



# TF sensors

## Flexible current sensors

used with DIRIS Digiware I, DIRIS A-40, DIRIS B, and ISOM Digiware F-60

Insulation monitoring



TF Flexible current sensors

diris-L\_077.eps

### The solution for

- > Industry
- > Building
- > Infrastructure
- > Data centers



### Strong points

- > Plug & Play
- > Accuracy according to IEC 61557-12
- > Safe locking mechanism
- > Installation
- > Simplified installation

### Integrated technologies



PreciSense

For more information see our website  
[www.socomec.com](http://www.socomec.com)

### Compliance with standards

- > IEC 61557-12



- > ISO 14025



- > UL



### Create your project

- > Find the best DIRIS Digiware configuration:  
[www.meter-selector.com](http://www.meter-selector.com)

**METER SELECTOR**  
DIGITAL TOOL AVAILABLE

## Function

TF flexible **current sensors** measure the load currents of an electrical circuit and send the data to meters and Power Monitoring Devices or current modules via an RJ12 plug-and-play connection. Thanks to a wide measurement range, TF current sensors cover a wide current range from 100 to 6000 A, with only 7 references. TF flexible current sensors can be used with DIRIS Digiware I modules, DIRIS A-40 and DIRIS B.

## Advantages

### Plug & Play

- A rapid RJ12 connection makes wiring easy and reliable and prevents wiring errors. This also allows automatic detection of the sensor type and rating.
- The sensors can be installed in both directions.

### Accuracy according to IEC 61557-12

- Class 0.5 for the global measuring chain (PMD + TF current sensors) from 2 to 120% of the nominal current  $I_n$ .
- Accuracy is guaranteed regardless of the position of the conductor in the loop.

### Safe locking mechanism<sup>(1)</sup>

- The locking system prevents the loop from opening, guaranteeing continuous functioning and accuracy even under harsh conditions.

### Installation

- The TF flexible sensor range is specially designed for existing installations with strict integration constraints or with high-intensity currents.

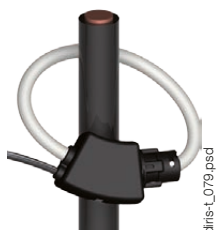
### Simplified installation

- The Rogowski integrator is directly integrated to the RJ12<sup>(1)</sup> cable enabling a quick and compact integration (no DIN rail assembly required) inside electrical panels.
- The integrator is self supplied by the PMD through the RJ12 cable and does not need any external power supply.

(1) Except for TF-55.

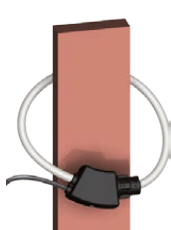
## Installation

### Cable mounting



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### Bar mounting



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