

ACCUline

Customisable current sensors and current transformers



ACCUline

Performance at the right level

The **ACCUline** range has been developed to offer a complete solution for all your requirements, whether for measurement, metering, billing, or overload/short circuit or differential protection. In addition, this extensive range can be adapted to any project, whether for new or existing applications.

- **Accuracy tailored to all your requirements**

Designed to provide you with reliable current measurements, while ensuring performance tailored to your applications.

- **Variety of models and ratings to suit every application**

An extensive range that ensures you can find the ideal current sensor and current transformer for your application.

- **Flexibility for easy installation**

We value your time and financial resources.

For this reason, we have developed a range of multiple installation and connection options to save you valuable time and maximise the efficiency of your investment.

- **Ultra-customisable**

ACCUline current transformers and current sensors are highly customisable and can be configured to meet any requirements.

Key figures

1,000,000+

current sensors and current transformers manufactured annually

3 centres of excellence

in Europe and the USA

30 years

of expertise in measurement

Unprecedented reliability,

with a MTBF (mean time between failures) of over 3,000 years

Your unique solution, your customisation

What are the benefits of customising your current transformers and current sensors?

- **Perfectly adapted to what you need**

Every sector and every application presents specific challenges. Designed to meet your unique requirements, our extensive range can be tailored to all your configurations and measurement specifications.

- **Performance optimisation**

By tailoring the accuracy and other technical characteristics of your current transformers and current sensors, you can optimise their performance to perfectly meet your specific needs, while maintaining optimal compactness.

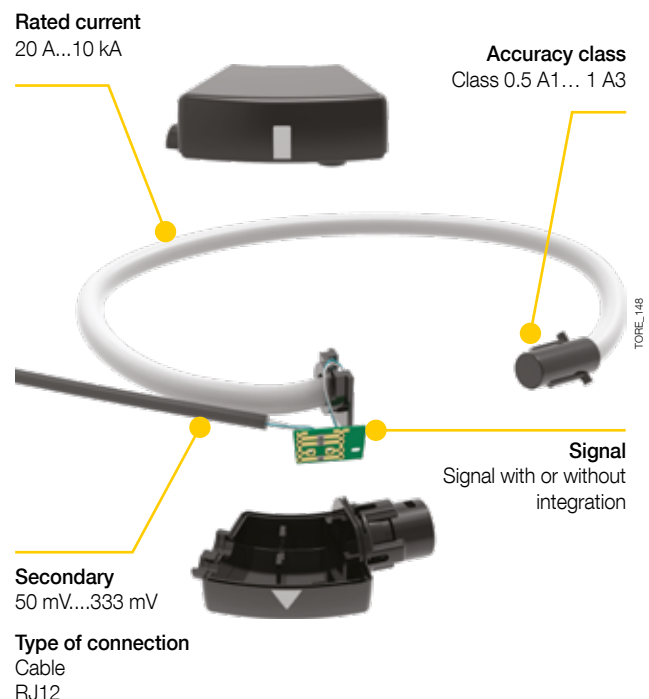
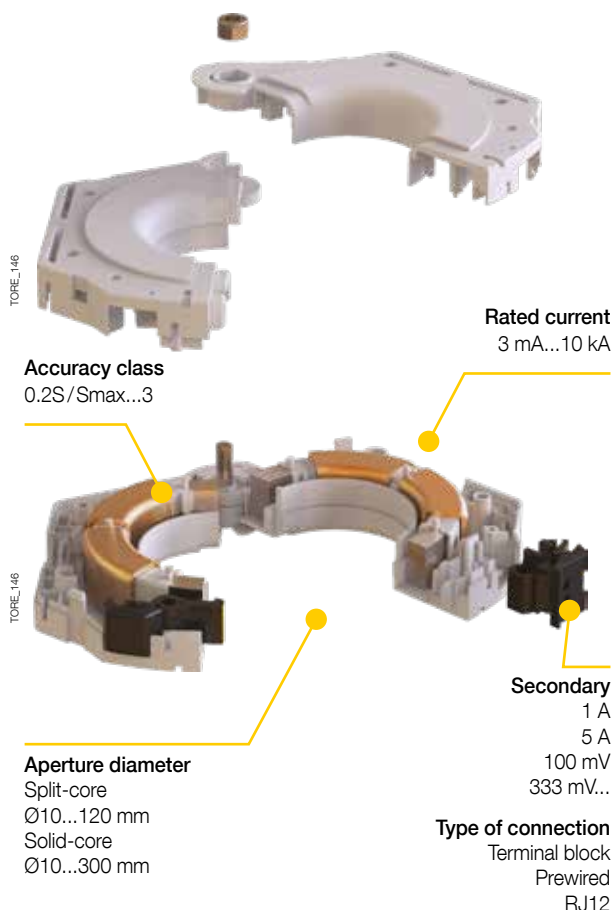
- **Visual consistency with your brand**

Customise the colour, marking, and instructions of current sensors to ensure visual consistency with your corporate identity. This ensures an instantly recognisable piece of equipment that enhances your credentials.



More specific requirements? Our teams are there to help you.

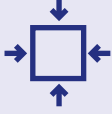
Discover the parameters that you can choose for **ACCULine** current transformers and current sensors:



Find current sensor and current transformer solutions tailored to your project!

Need help in choosing?

Discover the solutions that suit you.

	Function	Current Range	Advantage
MEASUREMENT – METERING	CT-O  • Measurement current transformer • Split-core	Load current range A  >kA	 Compact design
	ROG-O  • Rogowski measurement sensor • Split-core and flexible	Load current range A  >kA	 Secure locking
BILLING MEASUREMENT	BCT-C  • High-accuracy current transformer for billing • Solid-core	Load current range A  >kA	 Extensive measurement range
PROTECTION	PCT-C  • Protection/measurement current transformer • Solid-core	Load current range A  >kA	 Extremely robust
RESIDUAL CURRENT DEVICE	DCT-C  • Residual current transformer • Solid-core	Load and residual current range mA  kA	 Extensive range
	DCT-O  • Residual current transformer • Split-core	Load and residual current range mA  kA	 Split-core

MEASUREMENT – METERING

ACCULine CT-O

Exceptional versatility thanks to its secure split-core system and accurate measurements.



GAMME_B98

- **Type:** split-core
- **Current range:** 5 to 4800 A
- **Accuracy class:** classes 0.2S to 3
- **Standards:** IEC 61869-2, UL 61010, UL 2808



Universal

Available in current or voltage output, compatible with any measurement system.

Saves time during mounting

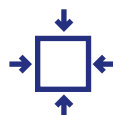
Easy to mount – on DIN rail or backplate – using the special accessory.

Adaptable and compact

Among the most compact on the market, it easily adapts to tight spaces.



Ideal for existing applications



Product advantages: extremely compact for optimal integration into your installations.

ACCULine ROG-O

A safe and flexible solution for existing applications with special requirements.



RAC_003

- **Type:** split-core and flexible
- **Current range:** 20 to 10,000 A
- **Accuracy class:** 0.5A1 - 1A3
- **Standards:** IEC 61869-10, UL 61010, UL 2808



Easy installation & optimal flexibility

- Flexible sensors with loop opening enable quicker and easier installation than ever before.
- Easy to install, even in hard-to-reach and restrictive environments: flexibility, custom sizing and compact design.

Secure closure

The “safe lock” function of the junction box ensures reliable mounting, even under mechanical stress

Immunity to position

Obtain accurate measurements regardless of conductor location, thanks to full shielding across the entire sensor.



Ideal for existing applications



Product advantage: secure locking for reliable mounting.

MEASUREMENT – BILLING

ACCULine BCT-C

Ultimate accuracy for billing and measurement applications.



- **Type:** solid-core
- **Current range:** 0.2 to 2400 A
- **Accuracy class:** 0.2 S / 0.2 Smax
- **Standards:** IEC 61869-2, UL 61010



Unrivalled performance

Accuracy class 0.2S ensures best in class quality measurement, even at very low loads. The new accuracy class 0.2Smax, exclusive to Socomec, ensures extremely accurate measurements, from 0.2 to 120% I_n , with a constant accuracy of 0.2% over the entire range.

Easy to install

Several mounting options are available, enabling installation on a backplate, a DIN rail or directly on the bar or cable itself.



Ideal for billing applications



Product advantage: ultra-wide measurement range, BCT-C performance reduces the number of references needed in the field.

OVERLOAD PROTECTION

ACCULine PCT-C

Total reliability for business-critical protection applications.



- **Type:** solid-core
- **Current range:** 40 to 4000 A in I_n and up to 120 kA in overload
- **Accuracy class:** 5P5 to 5P30. Class 5PX means that the current transformer can measure currents up to 30 times the rated current.
- **Standards:** IEC 61869-2, IEC 61010



Wide range of measurement

Exceptional current coverage – up to 30 times rated value – to detect very large fault currents.

Versatile installation

Installation flexibility, providing various mounting options whether on DIN rail, bar, cable or backplate.

Universal

Highly versatile, the secondary current is available in 1 or 5 A, for use on all protection relays.



Ideal for business-critical applications

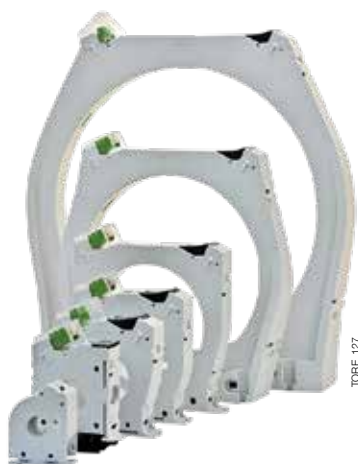


Product advantages: ultra-robust, even under severe overload conditions.

RESIDUAL CURRENT DEVICE

ACCULine DCT-C

A wide range of measurements designed to suit all your applications.



- **Type:** solid-core
- **Current range:** 36 to 630 A per phase - 3 mA to 30A of residual current
- **Standards:** IEC 60947-2 Annex M, IEC 61869-1, IEC 61869-2, IEC 61010, UL 508, IEC 62020



High immunity

Optimal accuracy thanks to the integral winding around the core, which eliminates measurement errors related to conductor arrangement.

Suitable for all cable diameters

An unrivalled variety of aperture sizes, from 17 to 300 mm: choose the current transformer that best suits the application.

Universal

The secondary output voltage or current adapts to all differential and protection relays.



Ideal for new monitoring and differential protection applications



Product advantages: a wide range of measurements for a solution that is perfectly tailored to your application.

ACCULine DCT-O

A compact split-core solution that adapts perfectly to existing business-critical applications.



- **Type:** split-core
- **Current range:** 85 to 250A per phase - 3 mA to 30A of residual current
- **Standards:** IEC 60947-2 Annex M, IEC 61869-1, IEC 61869-2, IEC 61010, UL 508, IEC 62020



High immunity

Very high accuracy, thanks to the complete winding around the core, eliminating the inaccuracies associated with the arrangement of the conductors. Combined with the patented Socomec cable locator, this enables making electrical measurements with high reliability.

Secure closure

The "One Click" system ensures fast, reliable closure, even under severe mechanical environment.

Multi-fit

Various mounting options – on DIN rail or backplate – thanks to its versatile accessory.

Faster connection time

With a quick-connect kit, it's quick and easy to connect the secondary wires, for fast installation.



Ideal for existing monitoring and differential protection applications



Product advantages: split-core, accurate and high-performance differential measurement.

Socomec: our innovations supporting your energy performance

1 independent manufacturer

4,200 employees
worldwide

8 % of sales revenue
dedicated to R&D

400 experts
dedicated to service provision

Your power management expert



POWER
SWITCHING



POWER
MONITORING



POWER
CONVERSION



ENERGY
STORAGE



EXPERT
SERVICES

The specialist for critical applications

- Control, command of LV facilities
- Safety of persons and assets
- Measurement of electrical parameters
- Energy management
- Energy quality
- Energy availability
- Energy storage
- Prevention and repairs
- Measurement and analysis
- Optimisation
- Consultancy, commissioning and training

A worldwide presence

12 production sites

- France (x3)
- Italy (x2)
- Tunisia
- India
- China (x2)
- USA (x2)
- Canada

30 subsidiaries and commercial locations

- Algeria • Australia • Austria • Belgium • China
- Canada • Dubai (United Arab Emirates) • France (x2)
- Germany • India • Indonesia • Italy • Ivory Coast
- Netherlands • Poland • Portugal • Romania • Serbia
- Singapore • Slovenia • South Africa • Spain • Sweden
- Switzerland • Thailand • Tunisia • Turkey • UK • USA

80 countries

where our brand is distributed

HEAD OFFICE

SOCOMEK GROUP

SAS SOCOMEK capital 10 582 640 €
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OF SHARED ENERGY

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Innovative Power Solutions