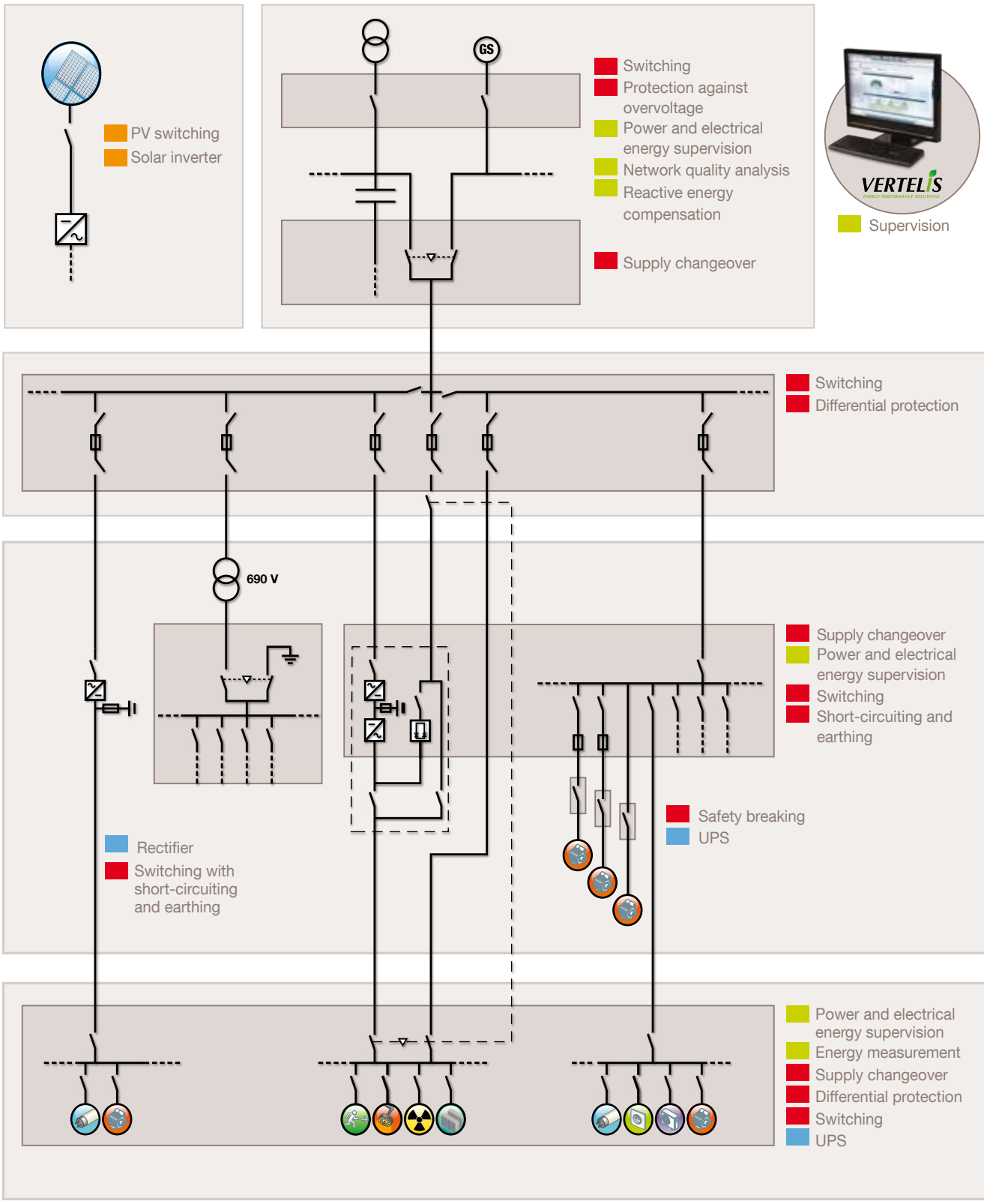
Power & Energy Performance solutions

2013
2014

CRITICAL POWER
POWER CONTROL & SAFETY
SOLAR POWER
ENERGY EFFICIENCY

socomec
Innovative Power Solutions

A complete offering with the benefits of specialist expertise



Symbols: Sockets, Lighting, HVAC, Motor, Surgical lamps, Radiography, Solar panels, Data centres, Emergency lighting

socomec Innovative Power Solutions

Contents

Introduction

An independent manufacturer

The benefit of a specialist

Founded in 1922, SOCOMEC is an industrial group with a workforce of 3000 people. Our core business - the availability, control and safety of low voltage electrical networks with increased focus on our customers' power performance.

The culture of independence

The SOCOMEC Group's independence ensures control over its own decision-making, respecting the values advocated by its own family shareholders and shared by its employees.

With around 30 subsidiaries located on all five continents, SOCOMEC pursues international development by targeting industrial and service applications where the quality of its expertise makes all the difference.

The spirit of innovation

As undisputed specialists in UPS systems, mains supply changeover, power conversion and measurement, SOCOMEC dedicates nearly 10% of its turnover to R&D. As a result the Group can achieve its ambition of always being one technological step ahead.

The vision of a specialist

As a manufacturer with complete control over its technological processes, SOCOMEC is quite unlike the more general providers. The Group is constantly improving its fields of expertise in order to offer its clients increasingly customised, appropriate solutions.

A flexible manufacturing structure

Backed by two European centres of excellence (France and Italy), the Group also benefits from competitive production sites such as Tunisia and locations in the major emerging markets (India and China).

These sites have all implemented a system of continuous improvement based on Lean Management principles, and are therefore in a position to provide high levels of quality, and meet the deadlines and cost requirements expected by customers.

The focus on service

Our manufacturer's expertise naturally extends to a complete range of services designed to facilitate the research, implementation and operation of our solutions. Our service teams have built their reputation on reassuring guidance, flexible skills and reactivity.

Responsible growth

As a Group which is open to all cultures and firmly committed to human values, SOCOMEC promotes employee initiative and commitment. Working relationships are based on the idea of partnerships and respect for shared ethics. Through the company's commitment to achieving harmonious, lasting development, SOCOMEC fully embraces its responsibilities not only towards its shareholders, employees, customers and partners, but also towards society as a whole and its environment.

SOCOMEC has been a signatory to the Global Compact since 2003.

ENERGY SPECIALIST SINCE 1922

THE GLOBAL COMPACT WE SUPPORT

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Four key applications: the know-how of a specialist

Critical Power

Ensuring the availability of high-quality power for critical applications.

Thanks to the company's wide range of continuously evolving products, solutions and services, SOCOMEC are experts in the three essential technologies that can ensure the high availability of supply to critical facilities and buildings i.e.:

- uninterruptible power supplies (UPS) that provide high-quality power and reduce distortion and interruptions to the mains supply due to their power storage backup,
- changeover of high availability sources to transfer supply to an operational backup source,
- continuous monitoring of installation facilities to prevent failures and reduce operating losses.


SITE 628A

Power Control & Safety

Managing power and protecting individuals and property.

SOCOMEC's expertise in this domain is unquestionable; the company is an undisputed leader in power switching and changeover functions, and has been a specialist manufacturer of electrical equipment since 1922. The company has long defended the benefits of fuse protection for individuals and property, and has become a major player in cutting-edge technology such as the monitoring and detection of insulation defects.

SOCOMEC guarantees solutions and services which are both relevant and efficient.


APPLI 575A

Solar Power

Guaranteeing the safety and durability of photovoltaic (PV) facilities.

As experts in the solar energy equipment field, SOCOMEC has all the specialist know-how for implementing key strategic functions in PV facilities, including:

- safety, through specially designed switch disconnectors to cut the DC current generated by solar panels regardless of the facility configuration and operating conditions,
- the reliability of DC facilities thanks to solutions preventing the degradation of insulation and electric arc failure in DC current,
- control of very high-efficiency energy conversion, via PV inverters, to transform all energy generated by the solar panels into power to be consumed locally or re-injected into the national grid.


SITE 441A

Energy Efficiency

Improving building and facility energy efficiency.

SOCOMEC solutions, ranging from sensors to the wide choice of innovative, modular software packages, are driven by experts in energy efficiency. They meet the essential requirements of managers or operators of tertiary, industrial or local authority buildings, and make it possible to:

- measure power consumption, identify sources of excess consumption, and raise occupant awareness,
- limit reactive energy and prevent associated tariff penalties,
- use the best tariffs, check supplier invoicing and accurately distribute energy bills amongst consumer entities.


APPLI 576A

Adapted solutions

energy objectives met

In the face of increasingly important and complex energy challenges, it is vital to choose a specialist partner that understands fully the requirements and constraints of your own area of business.

SOCOMEC's support approach rests on three principles:

- the availability of an experienced consultant,
- the ability to offer a solution to a global problem,
- the creation of a true commercial partnership - a source of confidence.

When you choose SOCOMEC, you're choosing multidisciplinary expertise in managing the availability, monitoring, safety and energy performance of low voltage electrical installations. You also benefit from the responsiveness of an independent, family business operating on a human scale.

Data Centres: The Socomec "Power & Energy Performance" offering

Continuity of service is a major challenge for data centres. To achieve this, the **reliability**, **quality** and **maintainability** of the power supply must be a strategic consideration.

SOCOMEC offers a range of products, solutions and services which guarantee excellent **all-round performance** for data centres.

We respond to your needs

- High energy-availability: High-quality, reliable energy, maintainable equipment.
- Reducing the total cost of ownership (TCO): Optimisation of operating costs, energy bills, technical area costs, investment costs, etc.
- Flexible electrical infrastructure: Adaptation of the supply power and configuration to constantly changing requirements.
- Management of electrical power supply capacity: Monitoring, optimisation and allocation of energy resources.
- Reducing the environmental impact: reducing GHG emissions.

Green Power 2.0
very high efficiency UPS

Smart PowerPort
container solution

STATYS
static transfer systems

ATyS
automatic transfer switch

SIRCO
load break switches

ATS Bypass solution:
Enclosed automatic transfer switch with bypass

COUNTIS E energy meters
DIRIS A multifunction measurement units
DIRIS N network analysers
VERTELIS Energy & Power Monitoring System software

Process, Oil, Gas and petrochemical, Energy production, Manufacturing.

Commercial buildings, Residential buildings, Hotel & Leisure.

Transport, Telecommunications, Public distribution, Military, Water treatment.

Data centres, Healthcare buildings, High Rise buildings, Shopping centres, Banking & Insurance.

Solar power, Wind power, Hydro-electric power…

Healthcare buildings: The Socomec "Power & Energy Performance" offering

As a key factor in ensuring quality care, **patient safety** is your number 1 concern. That's why the power supply to vital medical equipment must never fail.

SOCOMEC recommends complete architecture and offers a state-of-the-art range to guarantee reliability and productivity in healthcare buildings, in accordance with normative requirements governing critical premises.

We respond to your needs

- High energy-availability: Supply of high-quality, reliable energy for hospital equipment and premises: Medical imaging, laboratories, pharmacies, group 2-type operating theatre areas, etc.
- Safety of property and personnel: Guaranteed operation of safety systems such as emergency lighting, fire protection, controlled access, etc.
- Energy efficiency: Monitoring, analysis and optimisation of multi-utility consumption.
- Protection and continuity of the power supply for computer systems and communication networks: Guaranteed energy availability and a flexible electrical infrastructure - an essential solution to meet constantly changing needs.

CRITICAL POWER

Green Power 2.0
very high efficiency UPS

STATYS
static transfer systems

POWER CONTROL & SAFETY

SIRCO
load break switches

ATS Bypass solution:
Enclosed automatic transfer switch with bypass

Energy distribution solution for IT medical systems

ENERGY EFFICIENCY

COUNTIS E energy meters
DIRIS A multifunction measurement units
DIRIS N network analysers
VERTELIS Energy & Power Monitoring System software

Customised support…

the manufacturer's guarantee

Over several decades, SOCOMEC Systems have acquired a distinguished reputation in **the control, safety and performance of low voltage electrical distribution** equipment. Our manufacturer's expertise naturally extends to a complete offer of services designed to help you select, implement and get the most out of our solutions.

APPLI 566 A

Specially adapted skills

Our service team consists of field personnel specialising in our specific domains and experienced in the maintenance of industrial electrical systems. This means you benefit from a dual skills base:

- technical expertise relating to the products that have been installed,
- practical knowledge of your usage needs.

Reassuringly close at hand

Our geographical coverage means that we are close to each user and can respond quickly to all requests. We can provide a complete service from the technical diagnostics before repair right up to implementation of the most suitable solutions for your installation.

Customer-oriented service

True to our own principles, we encourage direct and friendly contact. Our interventions offer solutions targeted to a single problem: Yours. Our engineers are always very attentive to your needs, to ensure that we provide the most relevant technical support and advice. So you can plan your investments with confidence

A customised support to ensure successful projects

Assessment and sizing

Depending on your requirements, our experts collect and analyse all the relevant data in order to recommend the system best adapted to your installation.

Commissioning

Installation of your equipment is carried out by a specialist, and is totally compatible with and adapted to your use.

Maintenance

A wide range of preventive or corrective maintenance options designed to suit your installation and its environment, and to ensure continuity of service of your electrical networks.

Training

You will receive training, specially adapted to your needs, in order to familiarise yourself with our equipment and enable you to use it to your best advantage.

To find out more

For all questions about services relating to monitoring, safety and energy efficiency solutions, please get in touch with your usual SOCOMEC contact. We will provide you further details about the services proposed and define the support adapted to your requirements in a clear and precise quote.

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Innovative Power Solutions

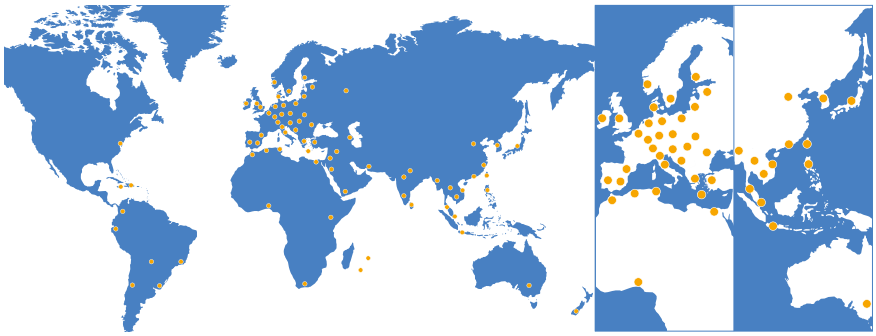
… to ensure you a successful project

As the availability of electrical energy is of strategic importance to your business, the quality of our service is as important as the quality of our product. As designers, manufacturers and service providers, SOCOMEC know that the operational requirements of your business mean that there can be no interruption to your supply. Our ***CIM*** (Commissioning Inspection and Maintenance) engineers and technicians are on hand to commission equipment, carry out maintenance and provide technical assistance.

APPLI 387 A

Reassuringly close at hand

Our European and worldwide presence ensures that you will always have SOCOMEC specialists close to your site, for a fast and efficient response.



Servicing on request

We offer you various services, in addition to contractual benefits, to meet your developing needs throughout the life-cycle of your installations:

- replacement of worn parts (batteries, fans, capacitors),
- Moving your equipment
- Industrial emission control
- UPS leasing
- Implementing ready-to-run installations
- Supplying communication software
- Training users

Respect for your environment

As a manufacturer, we are highly regarded for our work to protect the environment and, as such, we are actively participating in the development of legislation and standards. This guarantees that we will always respond to the demands of legislation concerning the disposal of used components and respect recycling procedures.

The expertise of a single design, construction and maintenance supplier

Since 1968, SOCOMEC has been developing products and services which are geared towards the quality and continuity of your high quality energy. Our teams provide you with not only an understanding of your needs, but also their expertise in the areas of electronic components, DC circuits, operating logic and industrial IT.

Specialists at your service

The service provided by more than 250 engineers and technicians includes:

- Installing equipment
- Preventive maintenance
- Curative maintenance
- 24-hour availability
- Consultancy, design and implementation of installation modifications and updates.

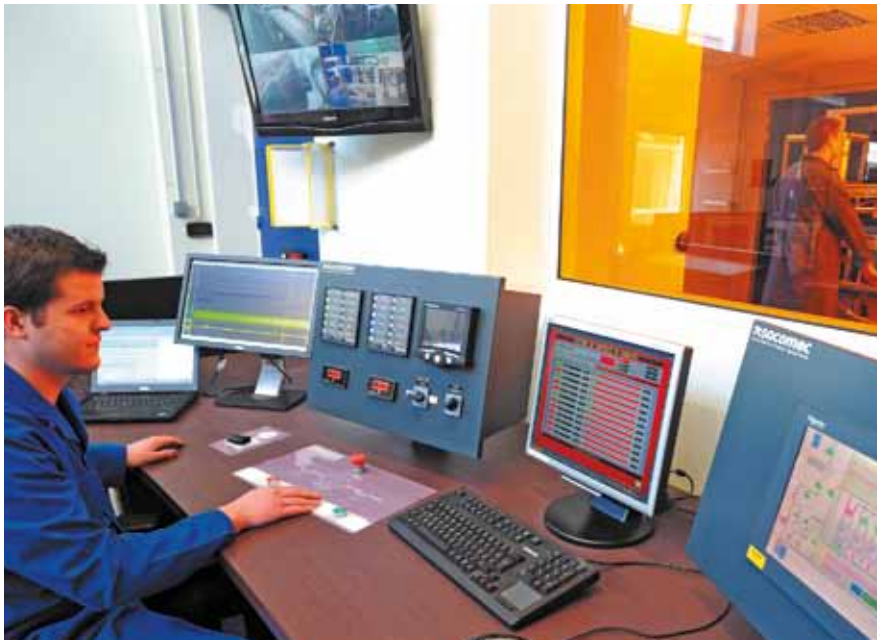
To find out more

For all questions about energy availability solutions, please get in touch with your usual SOCOMEC contact. We will provide you further details about the services proposed and define the support adapted to your requirements in a clear and precise quote.

A cutting-edge laboratory

The backing of an expert

Since 1965, the Pierre Siat test laboratory has used its expertise to guarantee the reliability and conformity of SOCOMEC products and solutions. Our customers are also welcome…



CORPO 342 A

A decisive link

Located at the Company's headquarters in Benfeld (France), the Pierre Siat test laboratory is one of SOCOMEC's main quality pillars: its contribution to the development, qualification and certification phases plays a decisive role in the process leading to the creation of a product or solution.

Global scale

This totally independent laboratory is recognised by the major certification bodies worldwide: a member of the ASEFA(1) and the LOVAG(2), it is accredited by COFRAC(3), UL (CTDP(4)), CSA (shared certification) and KEMA (SMT/WMT(5)). It also works in partnership with numerous international certification organisations(6). The quality and safety requirements specific to each country are therefore fully taken into account.

Specialist facilities

With its 100 MVA (Idc 100 kA rms 1 s) short-circuit platform, three 10 kA overload platforms and numerous other test instruments in facilities covering 1500 m^2, the Pierre Siat laboratory is currently the 2nd French power laboratory. It combines expertise in electricity and mechanics, pneumatics and computing.

Ongoing commitment

To adapt to the increasingly demanding standards and ever more innovative and high-performance products, the Pierre Siat laboratory is permanently extending the scope of its tests, investing whenever necessary in new equipment.

A vast range of tests

The laboratory submits all SOCOMEC products and solutions (including those in enclosures) to numerous tests in the following fields:

- functional: component resistance and operating tests,
- dielectric: immunity to interference, dielectric insulation, overvoltage, overcurrent,
- mechanical: endurance and mechanical shocks, etc.,
- environment: functional or electrical tests under extreme conditions (temperatures, salt spray, etc.), vibrations,
- AC/DC endurance: in operation and under controlled temperatures (arcs, LV/HV power cuts, etc.),
- temperature rise,
- electromagnetic compatibility (EMC),
- metrology,
- safety: flammability, etc.

Conducted during the design and production phases, these tests guarantee the long-term reliability of the equipment sold.

Customized services

These test facilities and expertise are also available to our partners who require assistance with the qualification and certification of their products or equipment.

We issue certificates of conformity and performance declarations upon request.

For more information, visit our web site:
www.socomec.com/testing-laboratory_en.html

(1) Association des Stations d'Essais Françaises d'Appareils électriques basse tensio (French association of low voltage electrical equipment test stations)
(2) Low Voltage Agreement Group
(3) Comité Français d'Accréditation (French accreditation body)
(4) Client test data programme
(5) Supervised Manufacturer's testing/Witnessed manufacturer's testing
(6) KEMA, CEBEC, UL, CSA, ASTA, Lloyd's Register of Shipping, Bureau Véritas, BBJ-SEP, EZU, GOST-R, etc.

Application Guide

Monitor your electrical installation

The basic information for controlling and protecting an electrical installation in just a few mouse clicks!
The Socomec Application Guide is regularly updated and incorporates all the experience and know-how of our specialist engineers.

CORPO 286A

Download the Application Guide

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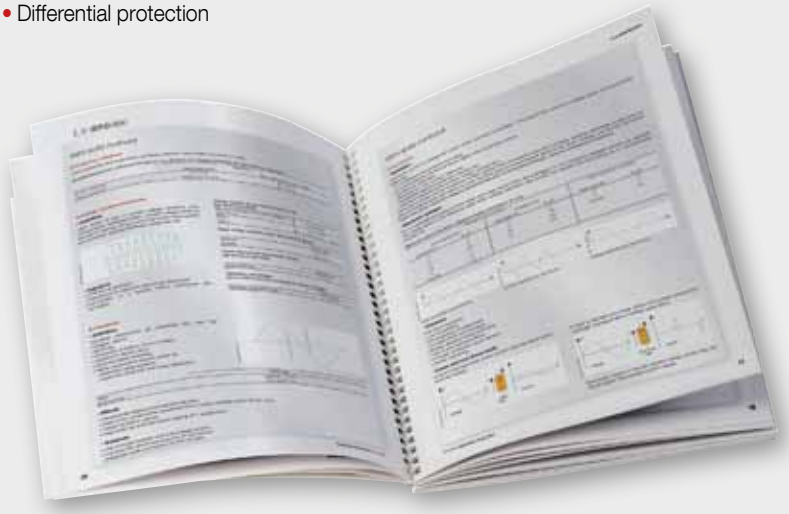
www.socomec.com/application-guide-scp_en

CATEC 276 B GB - 277 A GB

Contents

- L.V. distribution
- Overload currents
- Short circuit currents
- Direct and indirect contact
- Voltage drops
- Switching and isolating devices
- Fuse protection
- Control and energy management
- Industrial communication networks
- Electrical measurement
- Digital protection of networks
- Differential protection
- Insulation Monitoring
- Overvoltage limitor
- Surge arresters
- Reactive energy power factor correction
- Enclosures
- Busbars
- Uninterruptible Power Systems (UPS)



Load break switches

Manually operated switches

SIRCO M

- From 16 to 125 A
- 3, 4, 6 or 8 poles


SIRCM 132 A

SIRCO MV

- From 100 to 160 A
- 3 or 4 poles


SIRCM 099 A

SIRCO

- From 125 to 5000 A
- 3, 4, 6, 8, 9 or 12 poles
- Direct operation or external front or side operation


SIRCO 456 A

SIRCO AC

- From 200 to 4000 A
- 690 VAC - AC 23


SIRCO AC 001 A

Visible breaking switches

SIDER

- From 125 to 3150 A
- 3 or 4 poles (N poles for SIDER ND)


SIDER 089 A

SIRCO MV

- From 100 to 160 A
- 3 or 4 poles


SIRCM 099 A

Tripping load break switches

IDE

- From 32 to 160 A
- 3 or 4 poles


IDE 021 A

SIDERMAT

- From 250 to 1800 A
- 3 or 4 poles
- Direct operation or external front or side operation


SIDMAT 066 A

Motorised operation switches

SIRCO MOT AT M

- From 40 to 160 A
- 4 poles


SIMOT 010 A

SIRCO MOT AT

- From 125 to 3200 A
- 3 or 4 poles


SIRCO 310 B

To find out more

Download the SIRCO and SIRCO M brochure: www.socomec.com/en/brochure-sircom-mv

FLCD-URL 031 A GB

Your peace of mind assured

Our Services & Technical Assistance department will study and define your installation, commission selected equipment and train the personnel in charge of its use.


APPLI 077 B

Safety enclosures

We also offer safety enclosures. For more information, *go to the Products and integrated solutions section on p. 34.*


COFF 163 A - COFF 156 B

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Fuse protection

Fuse switches

FUSERBLOC

- From 25 to 1250 A
- 2, 3 or 4 poles
- Direct operation or external front or side operation
- Rear connections

FUSER 532 A FUSER 539 A FUSER 548 B

Visible breaking and tripping fuse switches

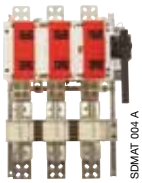
FUSOMAT

- From 250 to 1250 A
- 3 or 4 poles
- Multi-standard IEC, NF, DIN, BS and UR fuses
- Direct operation or external front or side operation
- Tripping via a shunt trip or undervoltage coil

FUSOM 063 B

SIDERMAT combination

- Visible breaking
- From 630 to 1800 A
- 3 or 4 poles
- IEC, NF and DIN fuses
- Direct operation or external front or side operation



SIDMAT 004 A

Fuse switches to protect power semi-conductors

FUSERBLOC UR

- UR fuses from 10 to 2000 A
- 2, 3 or 4 poles
- Direct operation or external front or side operation

FUSER 437 A

UL / CSA range

FUSERBLOC

- Fuses from 30 to 800 A
- 2, 3 or 4 poles
- CC, J, K fuses
- Direct operation or external front or side operation
- "Flange" type handle
- Accessories for compliance with the modifications to the standard UL 508 A and NFPA 79

FUSER-UL 005 A

Pre-charge fuse switches

FUSERBLOC Live Maintenance DC

- From 63 to 1600 A
- DIN 43620 UR fuses

FUSER-LM 002 A

To find out more

For more information on the fuse protection range, visit our website: www.socomec.com/en/fuse-protection

FLCD-URL 032 A GB

"Janus de l'industrie"

In 2008, our range of S-type handles received the "Janus de l'industrie", awarded by the French design institute with the backing of the Ministry of Foreign Trade. This prestigious label recognised a range that has been very popular with our customers.

Enclosed products

We also offer enclosed solutions. For more information, *go to the Products and integrated solutions section on p. 34.*

coff 284 A

Pro Fuse international association

To make smart choices about electrical protection, visit the website: www.profuseinternational.com

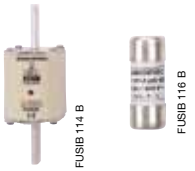
profuse INTERNATIONAL

Fuse protection (continued)

Fuses

gG and *aM* FUSES

- From 0.16 to 125 A in sizes 10 x 38, 14 x 51 and 22 x 58
- From 6 to 1250 A in sizes T000, T00, T0, T1, T2, T3 and T4
- 500 or 690 VAC
- With or without striker



BS FUSES

- From 2 to 1250 A, in sizes F1 to F2, A1 to A4, B1 to B4, C1 to C3, D1
- 415, 550 or 660 VAC

UR FUSES

- From 10 to 2000 A, in sizes 14 x 51, 22 x 58, 0000, 000, 00, 0, 1, 1*, 2, 3
- 690 or 1250 VAC
- With or without striker

M FUSES

- From 1250 A to 3200 A

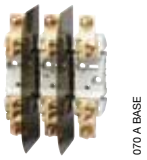
Fuse disconnectors and bases

RM / RMS

- From 1 to 100 A, in sizes 10 x 38, 14 x 51, 22 x 58
- 1 to 4 poles
- With or without signalisation on RMS version (14 x 51 and 22 x 58) and locking cradle on RMSC version (14 x 51)

Fuse bases

- From 160 to 2500 A, in sizes 00, 0, 1, 2, 3, 4
- 1, 2, 3 or 4 poles
- With or without signalisation
- IP2 from 160 to 630 A



Your peace of mind assured

Our Services & Technical Assistance department will study and define your installation, commission selected equipment and train the personnel in charge of its use.

Changeover switches

Manual changeover switches

COMO C

- From 25 to 100 A
- 3 or 4 poles
- Positions: I/II, I/0/II, I/I+II/II

SIRCO M changeover switches

- From 25 to 125 A
- 3 or 4 poles
- Positions: I/0/II

SIRCO VM1 changeover switches

- From 63 to 125 A
- 3 or 4 poles
- Positions: I/0/II, I/I+II/II

To find out more about the *ATyS M*

Download the ATyS M brochure:
www.socomec.com/en/brochure-atys-m

FLCD-URL 033 A GB

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Changeover switches (continued)

Manual changeover switches

SIRCOVER

- From 125 to 3200 A
- 3 or 4 poles
- Positions: I/0/II, I/I+II/II


SVR 107 A

Manual bypass changeover switches

COMO C bypass

- From 25 to 100 A
- 3+6 or 4+8 poles
- Positions: I/0/II


COMO 108 A

SIRCOVER Bypass

- From 125 to 1600 A
- 3+6 or 4+8 poles
- Positions: I/0/II, I/I+II/II


SVR 059 A

SIRCOVER ATS bypass

- From 125 to 1600 A
- 12+4 poles
- Positions: I/0/II


SVR 133 A

Remote motorised changeover switches

ATyS M 3

- From 40 to 160 A
- 2 or 4 poles
- External control command


ATYSM 214 A

ATyS S & ATyS Sd

- From 40 to 125 A
- 4 poles
- ATyS Sd: Integrated Dual supply (DPS)
- DC versions available


ATYS S 018 A

ATyS & ATyS d

- From 125 to 3200 A
- ATyS d: Integrated Dual supply (DPS)


ATYS D 001 A

Automatic motorised changeover switches

ATyS M6s & ATyS M6e

- From 40 to 160 A
- 2 or 4 poles
- Integrated control command
- ATyS M6e: with communication options


ATYSM 007 A

ATyS p, g & t

- From 125 to 3200 A
- ATyS p: transformer/generating set application, model with energy management functions, communication options and integrated web server
- ATyS t: transformer/transformer application
- ATyS g: transformer/genset application


ATYS P 001 B

Enclosed products

We also offer enclosed switching solutions. For more information, *go to the Products and integrated solutions section on p. 34.*


TABLO 028 A

Universal N/E controllers

ATyS C20/C30
- 2-source changeover switches

ATyS C40
- 2-genset changeover switches


ATYS 448 B

Added value of IEC 60947-6-1

The ATyS M, ATyS S and ATyS ranges meet the requirements of IEC 60947-6-1. The purpose of this international standard, which governs manually, remotely or automatically controlled transfer connection equipment, is to define:

1. the equipment specifications,
2. the equipment behaviour under normal and abnormal conditions (e.g. short circuits),
3. the tests designed to confirm that the conditions have been met and the methods for carrying out these tests
4. the information to be marked on the equipment.

Electronic protection

Earth leakage relays

RESYS M40/RESYS M40R
RESYS P40

- Type A
- Modular or flush-mounted unit

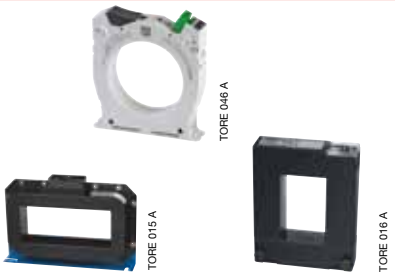
Core balance transformers

Circular closed core balance transformers (ΔIC)

- Diameter from 15 to 300 mm
- Different fixing types
- Patented cable locator

Rectangular closed transformers

Rectangular split-core transformers



Protection against overvoltages

SURGYS G100-F/G140-F/ G40-FE/G50-FE

- Surge protection at the top of low voltage installations

SURGYS G70/D40/E10

- Surge protection for distribution and equipment protection

SURGYS RS-3/mA-3/TEL-3

- Low current surge protection to protect equipment connected to telecommunication and data transmission networks
- Available in 1 or 2-pair versions

To find out more about the core balance transformers

Download the product sheet for core balance transformers: www.socomec.com/en/fiche-tores-differentiels

FLCD-URL 039 A GB

Your peace of mind assured

Our Services & Technical Assistance department will study and define your installation, commission selected equipment and train the personnel in charge of its use.

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Energy management and measurement

Active and reactive energy meters

Single-phase kWh meters

COUNTIS E00, E02, E03 & E04

- Connection up to 32 A
- Class 1 in accordance with IEC 62053-21
- 1 pulse output
- E02: MID EN50470 certified B+D class B modules
- E03: Modbus protocol RS485 communication
- E04: MID EN50470 certified B+D modules, Modbus protocol RS485 communication

COUNTIS E10, E11, E12, E13, E14, E15 & E16

- Connection 63 A and 80 A
- Class 1 in accordance with IEC 62053-21
- 1 pulse output
- E11: dual tariff
- E12: MID EN50470 certified B+D class B modules
- E13: Modbus protocol RS485 communication
- E14: MID EN50470 certified B+D modules, Modbus protocol RS485 communication
- E15: RS485 M-BUS protocol communication
- E16: MID EN50470 certified B+D modules, M-BUS protocol RS485 communication

Three-phase kWh meters

COUNTIS E20, E21, E23, E24, E25 & E26

- Connection up to 63 A
- Class 1 in accordance with IEC 62053-21
- 1 pulse output
- E21: dual tariff
- E23: Modbus protocol RS485 communication
- E24: MID EN50470 certified B+D modules, Modbus protocol RS485 communication
- E25: RS485 M-BUS protocol communication
- E26: MID EN50470 certified B+D modules, M-BUS protocol RS485 communication

COUNTIS E30, E31, E32, E33, E34, E35 & E36

- Connection up to 100 A
- Class 1 in accordance with IEC 62053-21
- 1 pulse output (except E33 and E34)
- E31: dual tariff
- E32: MID EN50470 certified B+D class B modules
- E33: Modbus protocol RS485 communication, 4 tariffs
- E34: MID EN50470 certified B+D class B modules, Modbus protocol RS485 communication, 4 tariffs
- E35: M-BUS protocol communication, 4 tariffs
- E36: MID certified, M-BUS protocol communication, 4 tariffs

Your peace of mind assured

Our Services & Technical Assistance department will study and define your installation, commission selected equipment and train the personnel in charge of its use.

MID certification

What are the advantages of a B+D module MID meter?

- It guarantees a high-quality product.
- It allows electricity to be resold.
- It guarantees a standardised measurement accuracy.

Measurement & energy management (continued)

Active and reactive energy meters (continued)

Three-phase kWh meters (continued)

COUNTIS E40, E41, E42, E43, E44, 45 & 46

- Connection via 5 A CT up to 6000 A
- Display of kWh and kVArh
- Class 1 in accordance with IEC 62053-21
- 1 pulse output (except for E43 and E44)
- E41: dual tariff
- E42: MID EN50470 certified B+D class C modules
- E43: Modbus protocol RS485 communication, 4 tariffs
- E44: MID EN50470 certified B+D class C modules, Modbus protocol RS485 communication, RS485 4 tariffs
- E45: M-BUS protocol RS485 communication, 4 tariffs
- E46: MID EN50470 certified B+D class C modules, M-BUS protocol RS485 communication, RS485 4 tariffs


COUNT 195 A


COUNT 218 A

COUNTIS E50 & E53

- Connection via 5 A CT up to 6000 A
- Display of 3I, 3U, 3V, F, kW, kVAh, kVA, PF
- Display of ±kWh, ±kVArh and kVAh
- Class 0.5s in accordance with IEC 62053-22
- 1 pulse output (E53 as an option)
- E53: Modbus protocol RS485 communication, 4 tariffs


COUNT 196 A

COUNTIS E63

- 3 independent inputs in direct connection up to 100 A
- Class 1 in accordance with IEC 62053-21
- Modbus protocol RS485 communication
- 4 tariffs


COUNT 201 A

Multi-utility concentrators

COUNTIS ECi2 & ECi3

- Up to 9 multi-utility meters: 7 logical inputs + 2 analogue inputs
- Available load curves for each of the 9 inputs
- Monthly consumption and 10 min average powers stored for 170 days
- RS485 communication through Modbus protocol
- Maximum customisation (choice of the metering unit, currency, etc.)


COUNT 207 A

MID certification

What are the advantages of a B+D module MID meter?

- It guarantees a high-quality product.
- It allows electricity to be resold.
- It guarantees a standardised measurement accuracy.


REFIT 002 A

To find out more about the *COUNTIS ECi*

Download the COUNTIS ECi product sheet:
www.socomec.com/en/fiche-countis-eci

FLCD-URL 035 A GB

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Measurement & energy management (continued)

Multifunction measurement units

Multifunction measurement (MFM)

DIRIS A10, A17 & A20

- Multi measurement
- Metering
- Alarm management
- DIRIS A10: 4 modules
- DIRIS A17: 72 x 72 mm dimensions
- DIRIS A20: 96 x 96 mm dimensions

Optional modules

- Modbus protocol RS485 communication
- 1 logical output

Energy monitoring (PMD)

DIRIS A40, A41, A60 & A80

- 96 x 96 mm
- Multi measurement
- Metering
- Power management (load curves, etc.)
- Harmonic analysis up to level 63
- DIRIS A41 (designed for highly distorted networks): neutral current measurement
- DIRIS A60: detection of events (voltages/currents) and storage of ½ period RMS curves
- DIRIS A80: A60 + monitoring of differential currents - RCM (Residual Current Monitoring)

Optional modules

- 2 pulse outputs
- JBUS/MODBUS RS485 communication
- PROFIBUS/DP RS485 communication
- Ethernet with webserver
- Temperature
- Memory (DIRIS A40/A41)
- 2 analogue outputs
- 2 configurable inputs + 2 configurable outputs

DIRIS BCMS 720

- Compact distribution circuit monitoring system: up to 72 outputs + 10 inputs
- Measurement and alarms
- MODBUS or SNMP communication
- Block of current transformers or split-core current transformers

Energy measurement for your existing installations

RETROFIT line

A measurement device (COUNTIS or DIRIS) and three compact split current transformers are combined and **optimised to ensure easy commissioning.**

The Retrofit Line allows you to easily add metering and measurement points in electrical enclosures which are very restricted in terms of integration.

To find out more about the *DIRIS A80*

Download the DIRIS A80 product sheet:
www.socomec.com/en/fiche-diris-a80

FLCD-URL 038 A GB

61557-12 certification

A precise reference, IEC 61557-12 is the common denominator for all PMDs (Performance Monitoring Devices), devices designed to measure and monitor electrical parameters in distribution networks.

Respecting this standard ensures your equipment offers a high level of performance.

CEI/IEC 61557-12

Current transformers

Socomec offers a complete, high-performance range of current transformers capable of meeting all the requirements of your installations.

COUNTIS et *DIRIS* management software

- **Webserver** (included in all Ethernet optional modules): monitors and uses data remotely and without the need for special software, via a web browser.
- **Easy Config:** configures COUNTIS E, COUNTIS ECi and DIRIS A simply and quickly on a PC.
- **Analysis:** analyses data to improve the reliability of your electrical installation.

Easy Config and Analysis are available to download from the SOCOMEC website: www.socomec.com

Measurement & energy management (continued)

Network analysers

DIRIS N300

- Acquisition, processing and back-up module for measurements, harmonics, alarms, load curves, dips, outages and overvoltages and vector diagrams
- Connectivity via Ethernet
- RS485
- USB Port


DIRIS 754 A

DIRIS N600

- DIRIS N300 + interharmonic measurements, analysis of transients, flicker and EN 50160 report

DIRIS D600 display

- Graphic colour LCD display module with local display and programming of the DIRIS N300 and N600


DIRIS 762 A

Optional *DIRIS O* modules

- Remote modules for centralisation or control/command from analogue or logical outputs/inputs
- Programming of logical functions to create true automatic process functions


DIRIS 755 A

Associated software and services

VERTELIS VISION
POWER MONITORING

VERTELIS VISION

Centralised monitoring software for electrical installations

The first step in your Energy efficiency policy, VERTELIS VISION is software preinstalled on an industrial PC (box).

It allows information from SOCOMEC metering and measurement devices to be read remotely and displayed on a normal web browser.

Main functions

- Real-time monitoring and logging of SOCOMEC devices
- Remote reading of energy indices with automatic export of reports (xls, pdf)
- Alarm management

VERTELIS VISION can be easily upgraded to the VERTELIS HYPERVIEW software package.

VERTELIS HYPERVIEW
ENERGY MANAGEMENT

VERTELIS HYPERVIEW

Multi-utility energy management software

Compile and make sense of your energy data and display the results.

With VERTELIS HYPERVIEW, all the information from the instrumentation is uploaded, aggregated and analysed. The Hyperview® concept means you can easily identify the relevant indicators and meet your energy performance objectives.

Main functions

- Optimises your installation to reduce the energy bill by up to 30 %
- Provides remote reading of the metering points
- Monitors multi-utility consumption (electricity, water, gas, etc.)
- Analyses the data to identify malfunctions
- Communicates energy savings and environmental benefits
- Automatically sends reports by mail, SMS or shared space.


VERTE 034 A

VERTELIS HYPERVIEW, multi-utility energy management software package (EMS)

To find out more

Download the DIRIS N brochure:
www.socomec.com/en/brochure-diris-n

FLCD-URL 037 A GB

Your peace of mind assured

Socomec offers a full range of customised services for your energy efficiency requirements and can help you find the best solution:

- study & diagnostics,
- advice & guidance,
- adaptation & customisation,
- implementation,
- training,
- operational support and maintenance.

SYDV 069 A GB

VERTELIS box

VERTELIS software is preinstalled on a dedicated box, which ensures it is reliable and secure.


VERTE 001 D

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Measurement & energy management (continued)

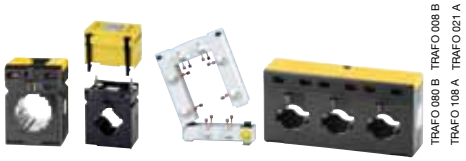
Sensors

Shunt

- From 1 to 6000 A, at 100 mV
- Class 0.5

Current transformers

- From 5 to 5000 A
- Coiled primary, routing of cables and busbars, and split-cores
- Three-phase version
- Class 0.5 - 1 - 0.2S
- Transformers with integrated or snap-on converter



Current transformer automatic short circuit device

Indicators and transducers

- Digital and analogue in DIN, Rotex and modular unit
- Ammeters and voltmeters, AC/DC
- Frequency meters, phase-meters and wattmeters
- Digital multi-indicators: MULTIS LMp and LMg (modular) and L72 (72x72)
- Hours run meters
- Phase changeover switches
- Programmable transducers

To find out more

For more information about our measurement solutions, visit our website: www.socomec.com/en/current-transformers

FLCD-URL 034 A GB

Solutions for photovoltaic installations

Load break switches

SIRCO MC PV

- From 25 to 40 A
- 600 and 1000 VDC
- Rear or door mounting
- Simultaneous PV and AC breaking
- Breaking of 2 PV circuits for 2 MPPT UPS
- IEC & UL


SIRCM-PV 010 A

SIRCO MV PV

- From 63 to 160 A
- 800 and 1000 VDC


SIRCM-PV 010 A

SIRCO PV

- From 100 to 3000 A
- 750, 1000, 1200 and 1500 VDC
- Breaking of 2 PV circuits for 2 MPPT UPS


SIRCO-PV 023 A

SIRCO MOT PV

- From 200 to 630 A
- 750 and 1000 VDC


SIRCO-PV 016 A

SIRCO PV UL

- From 100 to 2000 A
- 1200 VDC and 1500 VDC IEC
- 1000 VDC UL98b
- Multi-circuit breaking


SIROO-UL 022 B

Manual changeover switches

SIRCOVER PV

- From 200 to 630 A
- 750 and 1000 VDC
- 3 or 4 poles


SVR-PV 002 A

Fuses

gPV Fuses

- From 1 to 600 A in sizes 10 x 38, 14 x 51, T1, T2XL and 3L
- 1000 VDC


RM-PV 004 A - RM-PV 005 A

Fuse disconnectors and bases

RM PV

- 1 pole
- From 1 to 30 A, in sizes 10 x 38 and 14 x 51


RM-PV 004 A 1

RM-PV 005 A

PV Fuse bases

- From 32 to 600 A
- 1 pole
- Size 1 to 3L
- Insulating voltage 1000 Vdc
- IP 2X size option 1


PV 002 A FUSE BASE

PV 004 A FUSE BASE

To find out more

Download the Solutions for photovoltaic installations brochure: www.socomec.com/en/brochure-installations-photov

FLCD-URL 043 A GB

Pro Fuse international association

To make smart choices about electrical protection, visit the website: www.profuseinternational.com

profuse INTERNATIONAL

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Solutions for photovoltaic installations (continued)

Protection against overvoltages

SURGYS G51-PV

- Type 2 surge protection device
- 500, 600, 800 and 1000 VDC
- Maximum discharge current of 40 kA

SGYS 076 A

Photovoltaic enclosures

- Junction boxes for the following applications:
  - solar parks: FJB range (8, 12, 16, 24 and 32 strings)
  - buildings: BJB range (4 and 6 strings)
  - residential buildings: RJB range (DC or AC/DC, 1 or 2 strings, 1 or 2 MPPT)
- Polycarbonate or polyester enclosures
- Junction of 1 to 32 photovoltaic strings
- Up to 1000 VDC (UocSTCmax)
- Up to 10 A (IscSTC)
- Protection against overcurrents and overvoltages
- Designed in line with the directives of the guide UTE C 15-712-1 and in compliance with IEC 61-439-2
- Equipment monitoring (IFB) via ***SUNGUARD*** software (optional)

COFF 380 A - COFF 377 A

Solutions for photovoltaic installations (continued)

Photovoltaic inverters

SUNSYS Home

Single-phase inverter for residential installations

SUNSYS H30i

- 3 kW - Without transformer
- High efficiency 97 %
- IP65
- Simplified installation and maintenance in all situations (Easy To Connect, Easy To Swap)

SUNSYS H50

- 5 kW - Without transformer
- High efficiency 98 %
- IP65
- Broad input tolerance to increase system flexibility

SUNSYS Building

Three-phase inverter for installations on roofs or buildings

SUNSYS B10

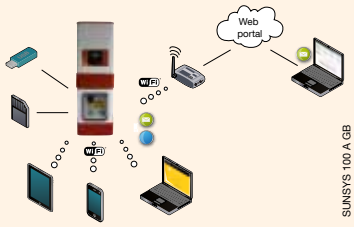
- 10 kW - Without transformer
- High efficiency 98 %
- IP65
- Broad input tolerance and 2 MPPT to increase system flexibility

SUNSYS B12 - B15 - B20 - B30

- From 12 to 30 kW - Without transformer
- High efficiency 98 %
- IP65
- Broad input tolerance and 2 MPPT to increase system flexibility

SUNSYS H30i: a wide range of communication options

- Local (WiFi) and remote (web portal) monitoring
- Software updates via USB stick.
- Statistics and log on MicroSD card
- Email notification service
- Integrated webserver



To find out more

Download the Solutions for photovoltaic installations brochure: www.socomec.com/en/brochure-installations-photov

FLOD-URL 043 A GB

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Solutions for photovoltaic installations (continued)

Photovoltaic inverter (continued)

SUNSYS Park

Three-phase inverter for solar parks

SUNSYS P33TR - P66TR

- 33 and 66 kW – With transformer
- High efficiency 97 %
- Modular architecture and DPC (Dynamic Power Control) function for increasing power generation, even in very low sunlight


SUNSYS 048 A

SUNSYS P100TR

- 100 kW – With transformer
- High efficiency 97 %
- Modular architecture and DPC (Dynamic Power Control) function for increasing power generation, even in very low sunlight


SUNSYS 056 A

SUNSYS P66TL - P100TL

- 66 and 100 kW – Without transformer
- High efficiency 98 %
- Modular architecture and DPC (Dynamic Power Control) function for increasing power generation, even in very low sunlight


SUNSYS 048 A

Photovoltaic installation monitoring software

SUNGUARD

Complete monitoring of the entire photovoltaic installation via a PC equipped with an internet browser.

Main functions:

- reduces production downtime (fault location and interventions),
- ensures that production complies with the installation's revenue targets,
- communicates energy savings and environmental benefits.


SUPVI 004 A

Customised solutions

SUNSYS Shelter

The power station is installed between the photovoltaic modules and the HVA supply unit.

- Up to 3 MW with medium-voltage DC input and AC output
- Integration of a wide range of accessories on request


SHELT 003 A

SUNSYS ESI (Energy Storage Industrial)

- Innovative energy storage solutions from 33 kW to several MW
- Scalable, modular **hot swappable** system which can be installed in parallel to increase power storage


SUNSYS 055 A

SUNSYS P with DPC technology

Thanks to its modular architecture and the DPC (Dynamic Power Control) function, the SUNSYS inverter optimises the output of your installation.

It guarantees excellent output even in low sunlight.

Uninterruptible Power Supplies

Single-phase UPS

NETYS PL

- 600 and 800 VA

The solution for:

- PC: LCD monitors, scanners, printers, etc.
- Cash registers
- ATM drives


GAMME 255 A

NETYS PE

- from 600 to 2000 VA

The solution for:

- CAD, graphic workstations
- Multimedia workstations and peripherals
- LCD screens and monitors
- Points of sale


GAMME 253 A

NETYS PR

- from 1000 to 2000 VA - Mini Tower

The solution for:

- Electrical and professional IT systems
- Servers and networking devices
- CAD/graphic workstations with monitors and peripherals
- Control systems


GAMME 258 A

NETYS PR

- from 1700 to 3300 VA - Rack/Tower

The solution for:

- Electrical and professional IT systems
- Servers and networking devices
- CAD/graphic workstations with monitors and peripherals
- Control systems


NETYS 134 B - GAMME 259 B

NETYS PR

- from 1000 to 1500 VA - Rack 1U

The solution for:

- Electrical and professional IT systems
- Servers and networking devices
- CAD/graphic workstations with monitors and peripherals
- Control systems


netys 090 a

NETYS RT

- from 1100 to 11000 VA

The solution for:

- Switching
- Storage
- Servers and networking devices
- VoIP communication systems
- Structured cabling systems
- Control systems
- Video surveillance systems


gamme 110 A

NETYS RT-M

- from 1100 to 3000 VA

The solution for:

- Marine applications
- Gateways
- Radar systems
- Control systems
- Video surveillance systems


GAMME 240 A

To find out more

For more information on the single-phase UPS range, visit our website: www.socomec.com/en/ups-single-phase

FLCD-URL 044 B GB

Management software

For more information about our monitoring, control and UPS shutdown solutions, visit our website: www.socomec.com/en/download-ups-software

FLCD-URL 055 A GB

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Uninterruptible Power Supplies (continued)

Single-phase UPS (continued)

ITYS

- from 1 to 10 kVA

The solution for:

- Professional workstations
- Server and corporate networks
- Storage systems
- Industrial automation
- Security systems
- Telecom systems

ITYS ES

- from 1 to 3 kVA

The solution for:

- Control devices
- Electric lines

MODULYS

- ***MODULYS RM*** from 1.5 to 9 kVA
- ***MODULYS MC*** from 1.5 to 24 kVA
- ***MODULYS EB*** from 9 to 24 kVA

The solution for:

- e-business
- Server farms
- Telecommunications
- Medical
- Computer networks

To find out more

To help you in the selection of your UPS, a selection guide is available on our website: www.socomec.com/en/ups-selector

FLCD-URL 056 A GB

Three-phase / single-phase UPS

MASTERYS BC

- from 8 to 12 kVA

The solution for:

- Industrial networks
- Servers
- Telecommunications
- Medical and laboratories

MASTERYS BC

- 15 and 20 kVA

The solution for:

- Data servers

Green Power 2.0

- ***MASTERYS GP*** from 10 to 20 kVA / kW

The solution for:

- Data centres
- Telecommunications
- Service sector
- IT Networks / Infrastructures

MASTERYS IP+

- from 10 to 60 kVA

The solution for:

- Industrial processes
- Service sectors
- Medical

To find out more

For more information about our high availability solutions designed for critical applications, visit our website: www.socomec.com/en/critical-power

FLCD-URL 057 A GB

The manufacturers guarantee

Our Commissioning Inspection and Maintenance department performs the commissioning, technical assistance, preventive and curative maintenance of your installations.

For more information, please get in touch with your usual SOCOMEC contact.

Uninterruptible Power Supplies (continued)

Three-phase UPS

Business Critical

- ***MASTERYS BC*** from 15 to 120 kVA
- ***DELPHYS BC*** from 160 to 200 kVA

The solution for:

- Data servers
- Data centres

MODULYS Green Power

- from 20 to 360 kVA

The solution for:

- Virtualised data centres
- IT Networks/Infrastructures
- Mission-critical applications

Green Power 2.0

- ***MASTERYS GP*** from 10 to 120 kVA/kW
- ***DELPHYS GP*** from 160 to 500 kVA/kW

The solution for:

- Data centres
- Telecommunications
- Service sectors
- IT Networks/Infrastructures

MASTERYS IP+

- from 10 to 80 kVA

The solution for:

- Industrial processes
- Service sectors
- Medical

DELPHYS MP elite

- from 80 to 200 kVA

The solution for:

- Industry
- Telecommunications
- Processes

DELPHYS MX

- from 250 to 900 kVA

The solution for:

- Data centres
- Industry
- Telecommunications
- Processes

To find out more

We offer solutions to ensure availability of your applications, saving energy and reducing the carbon footprint: www.socomec.com/en/guaranteeing-availability-applications

FLOD-URL 058 A GB

Green Power 2.0 range
Ultra high energy efficiency and maximum power availability

- **High efficiency**

SOCOMEC offers the highest output level on the market in double conversion VFI online mode, while guaranteeing complete protection of the load against all supply quality problems.

This 96 % output level is certified by an independent international certification body under various real-life operating conditions.

Green Power 2.0 integrates technology on 3 levels (for the rectifier and the UPS), reducing losses and thereby optimising overall output while saving energy (TCO) throughout the service life of the equipment.

3 LEVEL TECHNOLOGY

96% EFFICIENCY

- **Maximum power: kW = kVA**

The Green Power 2.0 UPS systems are designed to supply the latest-generation servers.

The output power factor of 1 (kW = kVA) fully meets the requirements of loads with a high power factor, and supplies 12 % more active power than a UPS with an output power factor of 0.9.

PF 1

kW = kVA

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Uninterruptible Power Supplies (continued)

Central Power Supply System

CPSS Emergency

- CPSS Emergency EM from 3 to 200 kVA
- CPSS Emergency EL from 3 to 200 kVA
- CPSS Emergency EF from 10 to 200 kVA

The solution for:

- Airports
- Railways and bus stations
- School and universities
- Hospitals
- Shopping centres
- Cinemas and theatres
- Museums

GREEN 025 A - GREEN 024 A - EM 016 B

UPS power infrastructure in container

Smart PowerPort

- from 100 kW to 2,4 MW

The solution for:

- Data centres
- Telecommunications
- Pharmaceutical and petrochemical plants
- Transport
- Critical applications

SMART 026A

Conformity to standards

- CPSS Emergency EM: EN 50171
- CPSS Emergency EL: EN 50171, NF C 71815
- CPSS Emergency EF: EN 54-4, NF S 61940

The manufacturers guarantee

Our Commissioning Inspection and Maintenance department performs the commissioning, technical assistance, preventive and curative maintenance of your installations.

For more information, please get in touch with your usual SOCOMEC contact.

APPLI 143A

Static, electronic and automatic transfer systems

Single-phase and three-phase STS

STATYS

- from 32 to 4000 A

The solution for:

- Finance, banking and insurance
- Healthcare sector
- Telecom & Broadcasting
- Industry
- Power generation plants
- Transport

gamme 101 a

To find out more

Download the STATYS brochure:
www.socomec.com/en/statys-doc

FLCD-URL 059 A GB

Electronic transfer system

IT SWITCH

- from 16 to 20 A

The solution for:

- Data centres
- Processes
- Telecommunications
- Air traffic control

IT 030 B

Automatic Transfer System

ASYS

- 16 A, 19” rack mounted

The solution for:

- Rack servers
- IT applications
- Routers, switches, hubs, etc.

ASYS 006 A

Rectifiers

Rectifiers

SHARYS IP

- from 15 to 200 A

The solution for:

- Industrial processes
- Switchgear tripping
- Signalling
- Alarm systems
- Automatisms (PLC, relays, etc)

SHARYS 27 B

To find out more

For more information on the rectifier range, visit our website:
www.socomec.com/en/rectifiers

FLCD-URL 060 A GB

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Innovative Power Solutions

Energy storage

Dynamic energy storage system

Flywheel

- from 80 to 900 kVA

The solution for:

- Data centres
- Service sectors
- Industry
- Telecommunications
- Medical


VSS 018 B

Battery monitoring system BHC (Battery Health Check)

BHC Universal - BHC Interactive

- for battery lifetime optimisation

The solution for:

- Battery healthcare


BHC 001 A

Adapted solutions

Harmonic equalizers

ATRYS

- from 15 to 240 A

The solution for:

- Service sectors
- Telecommunications
- Businesses


ATRYS 014 B

Power management solution

RACK PDU

- 16 and 32 A

The solution for:

- Data centre rack cabinet
- Networking infrastructure
- Computer rooms


PDU 009 A - PDU 003 A

The manufacturers guarantee

Our Commissioning Inspection and Maintenance department performs the commissioning, technical assistance, preventive and curative maintenance of your installations.

For more information, please get in touch with your usual SOCOMEC contact.

Enclosures and accessories

Insulating enclosures

COMBIESTER

- Modular system
- Monobloc enclosures:
  4 models from 130 x 80 to 255 x 180
- Enclosure assembly kits: 15 models in increments of 90 mm, from dimensions of 180 x 135 to 720 x 540 mm
- Casing with transparent or opaque cover (polycarbonate or polyester)


COMBI 001 A

MINIPOL

- 7 models from 300 x 250 x 140 to 800 x 600 x 300 mm
- Casing with transparent (polycarbonate) or opaque (fibre glass reinforced polyester) door


MINP 003 A

Sheet metal enclosures

CADRYS enclosures

- ST/SH enclosures, sheet steel
  - 51 models, heights from 300 to 1200 mm
  - 1 or 2 solid doors opening to 120°
- SP enclosures, sheet steel
  - 17 models, heights from 500 to 1200 mm
  - Transparent door with RAL 6022 , polyester epoxy paint
- Brushed stainless steel SI enclosures: Contact us


KDRYS 419 A

CADRYS cabinets

- Monobloc design: 15 models, heights from 1600 to 2000 mm
- Modular design: 96 models, heights from 1600 to 2200 mm
- Solid or transparent door
- Solid face plates or for modular devices


KDRYS 418 B
KDRYS 432 A

BLOCAL aluminium mounting systems

- 10 types of profile in 3 lengths
- Very full range of accessories enabling frame mounting and assembling
- Range of standard or custom-made frames


BLOCA 004A

Integrated PC-workspace

CADRYS AE control desks

- Monobloc or upgradeable design
- 7 models, widths from 600 to 1600 mm
- 24 possible combinations


KDRYS 357 A
KDRYS 360 A

To find out more

To find out more about enclosures and accessories, visit our website: www.socomec.com/en/enclosures

FLCD-URL 042 A GB

Modular system

Solutions for electrical panels composed of stackable CADRYS DELTA cabinets with their various accessories and range of cable-fitted accessories (copper busbar, busbar supports).


SISMO 009 A

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Enclosures and accessories (continued)

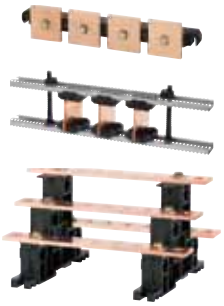
Copper busbars

- Solid or insulated flexible busbars
- Perforated busbars
- Insulated braids
- Threaded busbars
- Connectors


BARRE 011A

Busbar support systems

- Mounting of flat, edgwise, stair-type or tilted busbars
- Unipolar or multipolar supports (3 or 4 pole)
- Insulators
- Admissible amperage up to 7000 A


SB 123 A
SB 195 A
SB 084 A

Distribution blocks

- Range of distribution blocks designed to be connected to SOCOMEC switches
- From 80 to 630 A
- 1, 2, 3 or 4 poles
- Terminal lug or cable clamp connection
- Row distribution blocks for modular applications


REPAR 020 C

Power terminals

- From 250 to 630 A
- Multi-poles (3 or 4 poles)
- Connection using lugs, cable clamps or cage terminals


BORN 016 A

Cable trunking

- 3 models: rigid, flexible adhesive and halogen-free
- 29 sections


GOULO 029A

Mounting rails and profiles

- 21 types of profile with or without perforation
- Material: zinc-bichromate or galvanised, stainless steel or aluminium


ELCHA 039 A

Thermal regulation

- Ventilation
- Wall-mounted air conditioning system
- Roof-mounted air conditioning system
- Heating systems
- Thermostats and fans


VENTI 013 A
VENTI 036 A

Integrated products and solutions

Enclosed switches

Enclosed load break switches

- Sheet metal, plastic or polyester enclosures
- Equipped with SIRCO, SIRCO M load break switches with positive break indication
- From 16 A to 1250 A
- 3, 4, 6 and 8 poles
- TOP/BOTTOM or BOTTOM/BOTTOM connection
- Front or side operation


COFF 295 A

Enclosed fuse combination switches

- Sheet metal or polyester enclosures
- Equipped with FUSERBLOC
- From 25 to 800 A
- 3, 3 + N and 4 poles
- Front or side operation
- TOP/BOTTOM or BOTTOM/BOTTOM connection
- Positive break indication


COFF 320 A - 284 A

Safety enclosures

Normal atmospheres

- Sheet metal or polyester enclosures
- Fitted with visible-breaking SIDER switch
- From 50 to 1600 A
- 3, 4 and 6 poles
- Double door locking
- Front or side operation
- TOP/BOTTOM or BOTTOM/BOTTOM connection
- Mechanical flag indicator option


COFF 163 B - COFF 159 A

Explosive atmospheres (ATEX)

Zone 21 and 22 (dust) as per European Directive ATEX 94/9/CE - Category 2

- Sheet metal enclosures
- Fitted with visible-breaking SIDER switch
- From 50 to 630 A
- 3, 4 and 6 poles
- Side operation
- Double door locking
- Mechanical flag indicator
- BOTTOM/BOTTOM connection
- Factory option: fitting of push-buttons, indicators and polyamide or brass cable gland

COFF 313 A

Enclosed changeover switches

Manual source changeover switches

- Sheet metal or polyester enclosures
- Equipped with SIRCO M, SIRCO VM1, SIRCOVER or SIRCOVER bypass changeover switches
- From 16 to 3200 A
- 3 or 4 poles
- Front operation
- Double door locking
- A wide range of options & accessories


COFF 293 A - COFF 298 B - COFF 299 B

To find out more

To find out more about enclosures and accessories, visit our website: www.socomec.com/en/enclosed-solutions

FLCD-URL 062 A GB

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Integrated products and solutions

(continued)

Enclosed changeover switches (continued)

Remote-controlled or automatic source changeover switches

- Sheet metal, polycarbonate or polyester enclosures
- Equipped with ATyS M or ATyS changeover switches
- From 40 to 3200 A
- 2 or 4 poles
- A wide range of options & accessories
- Special versions for French high-rise building regulations (IGH)

ATYSM 251 A - COFF 366 A - COFF 306 B

ATS bypass

The high availability switching solution

- Sheet metal enclosures or cabinets
- Equipped with a SIRCO (M) load break switch, one or two SIRCOVERs and an ATyS (M) 6e
- From 40 A to 3200 A
- 4 poles
- 2 versions: single or dual line bypass
- Separation & protection of the various units
- Operation to bypass mode with no break
- Many options available

TABLO 032 A - TABLO 028 A

Customised design and solutions

Customised products available on request, as per your specifications

We can design specific cabinets and enclosures - do not hesitate to contact us. Some examples of our custom products:

- Low voltage switchgear, Distribution cabinets
- ERDF type transformer station
- Anti-vandalism cabinet for public lighting or road sign
- Stainless steel quayside cabinet
- Trackside cabinets for railway applications

For further information, please contact your SOCOMEC branch.

Example: energy distribution solution for medical IT systems

A complete, configurable and scalable manufacturer solution guaranteeing the availability of electrical energy in medical premises, the management of different criticality levels and the insulation fault location in every part of the medical IT systems in accordance with harmonisation document HD 60364-7-710.

TABLO 034 A

Your peace of mind assured

Our Services & Technical Assistance department will study and define your installation, commission selected equipment and train the personnel in charge of its use.

CORPO 213 A

Socomec worldwide

IN EUROPE

BELGIUM
UPS / Power Control & Energy Efficiency / Solar
Tel. +32 2 340 02 30
Fax +32 2 346 28 99
info.be@socomec.com

FRANCE
UPS / Power Control & Energy Efficiency / Solar
Tel. +33 1 45 14 63 00
Fax +33 1 48 67 31 12
dcm.ups.fr@socomec.com

GERMANY
Power Control & Energy Efficiency
Tel. +49 7243 65292 0
Fax +49 7243 65292 13
info.scp.de@socomec.com

UPS
Tel. +49 621 71 68 40
Fax +49 621 71 68 444
info.ups.de@socomec.com

ITALY
Power Control & Energy Efficiency
Tel.+39 02 98 49 821
Fax +39 02 98 24 33 10
info.scp.it@socomec.com

Solar
Tel. +39 0444 598611
Fax +39 0444 598627
info.solar.it@socomec.com

UPS
Tel.+39 02 98 242 942
Fax +39 02 98 240 723
info.ups.it@socomec.com

NETHERLANDS
UPS / Power Control & Energy Efficiency / Solar
Tel. +31 30 760 0900
Fax +31 30 637 2166
info.nl@socomec.com

POLAND
Power Control & Energy Efficiency
Tel. +48 91 442 64 11
Fax +48 91 442 64 19
info.scp.pl@socomec.com

UPS
Tel. +48 22 825 73 60
Fax. +48 22 825 73 60
info.ups.pl@socomec.com

PORTUGAL
UPS / Solar
Tel.+351 261 812 599
Fax +351 261 812 570
info.ups.pt@socomec.com

ROMANIA
UPS / Power Control & Energy Efficiency / Solar
Tel. +40 21 319 36 88
Fax +40 21 319 36 89
info.ro@socomec.com

RUSSIA
UPS / Power Control & Energy Efficiency / Solar
Tel. +7 495 775 19 85
Fax +7 495 775 19 85
info.ru@socomec.com

SLOVENIA
UPS / Power Control & Energy Efficiency / Solar
Tel. +386 1 5807 860
Fax +386 1 561 11 73
info.si@socomec.com

SPAIN
UPS / Power Control & Energy Efficiency / Solar
Tel. +34 93 540 75 75
Fax +34 93 540 75 76
info.es@socomec.com

UNITED KINGDOM
Power Control & Energy Efficiency
Tel. +44 1462 440 033
Fax +44 1462 431 143
info.scp.uk@socomec.com

UPS
Tel.+44 1285 863 300
Fax+44 1285 862 304
info.ups.uk@socomec.com

TURKEY
UPS / Power Control & Energy Efficiency / Solar
Tel. +90 216 540 71 20-21-22
Fax +90 216 540 71 27
info.tr@socomec.com

IN ASIA PACIFIC

AUSTRALIA
UPS
Tel. +61 2 9325 3900
Fax +61 2 9888 9544
info.ups.au@socomec.com

CHINA
UPS / Power Control & Energy Efficiency
Tel. +86 21 52 98 95 55
Fax +86 21 62 28 34 68
info.cn@socomec.com

INDIA
Power Control & Energy Efficiency
Tel. +91 124 4027210
Fax +91 124 4562738
info.scp.in@socomec.com

UPS / Solar
Tel. +91 44 39215400
Fax +91 44 39215450 & 51
info.ups.in@socomec.com
info.solar.in@socomec.com

SINGAPORE
UPS / Power Control & Energy Efficiency
Tel.+65 6506 7600
Fax +65 64 58 7377
info.sg@socomec.com

THAILAND
UPS
Tel. +66 2 941 1644 7
Fax +66 2 941 1650
info.ups.th@socomec.com

VIETNAM
UPS
Tel. +84 8 3559 1220
Fax +84 8 3559 1221
info.ups.vn@socomec.com

IN MIDDLE EAST

UNITED ARAB EMIRATES
UPS / Power Control & Energy Efficiency / Solar
Tel.+971 4 29 98 441
Fax +971 4 29 98 449
info.ae@socomec.com

IN AMERICA

USA, CANADA & MEXICO
Power Control & Energy Efficiency
Tel. +1 617 245 0447
Fax +1 617 245 0437
info.us@socomec.com

OTHER COUNTRIES

NORTH AFRICA
Algeria / Morocco / Tunisia
info.naf@socomec.com

AFRICA
Other countries
info.africa@socomec.com

SOUTH EUROPE
Cyprus / Greece / Israel / Malta
info.se@socomec.com

SOUTH AMERICA
Tel. +34 93 540 75 75
info.es@socomec.com

MORE DETAILS
www.socomec.com/worldwide

HEAD OFFICE

SOCOMEC GROUP
S.A. SOCOMEC capital 10 816 800€
R.C.S. Strasbourg B 548 500 149
B.P. 60010 - 1, rue de Westhouse
F-67235 Benfeld Cedex - FRANCE
Tel. +33 3 88 57 41 41
Fax +33 3 88 74 08 00
info.scp.isd@socomec.com

YOUR DISTRIBUTOR

www.socomec.com

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