



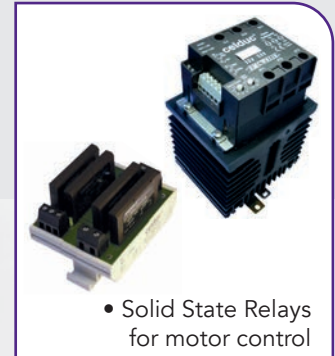
FOOD INDUSTRY by **celduc**[®] relais

www.celduc-relais.com

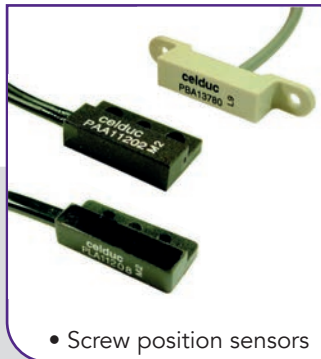
DESIGNER & MANUFACTURER OF
SOLID STATE RELAYS AND
MAGNETIC SENSORS USED IN
EQUIPMENT FOR FOOD &
BEVERAGE INDUSTRY

APPLICATIONS :
MOTION CONTROL,
HEATING CONTROL,
POWER CONTROL &
MACHINE SAFETY.





PRODUCTS MADE IN FRANCE
FOR MORE THAN 60 YEARS !



OUR STRENGTHS



MORE THAN 60 YEARS OF EXPERIENCE ON THE MARKET AND A HIGH QUALITY LEVEL OF PRODUCTION IN FRANCE.



CONTROL OF THE COMPLETE CHAIN
design, development, production, testing and marketing.



ANALYSIS OF CUSTOMERS' REQUIREMENTS
celduc® relais is the indisputable global expert and preferred choice of companies all over the world.



A WORLDWIDE PRESENCE IN MORE THAN 60 COUNTRIES for a better understanding of customer's needs and offering of solutions which fully meet their requirements.

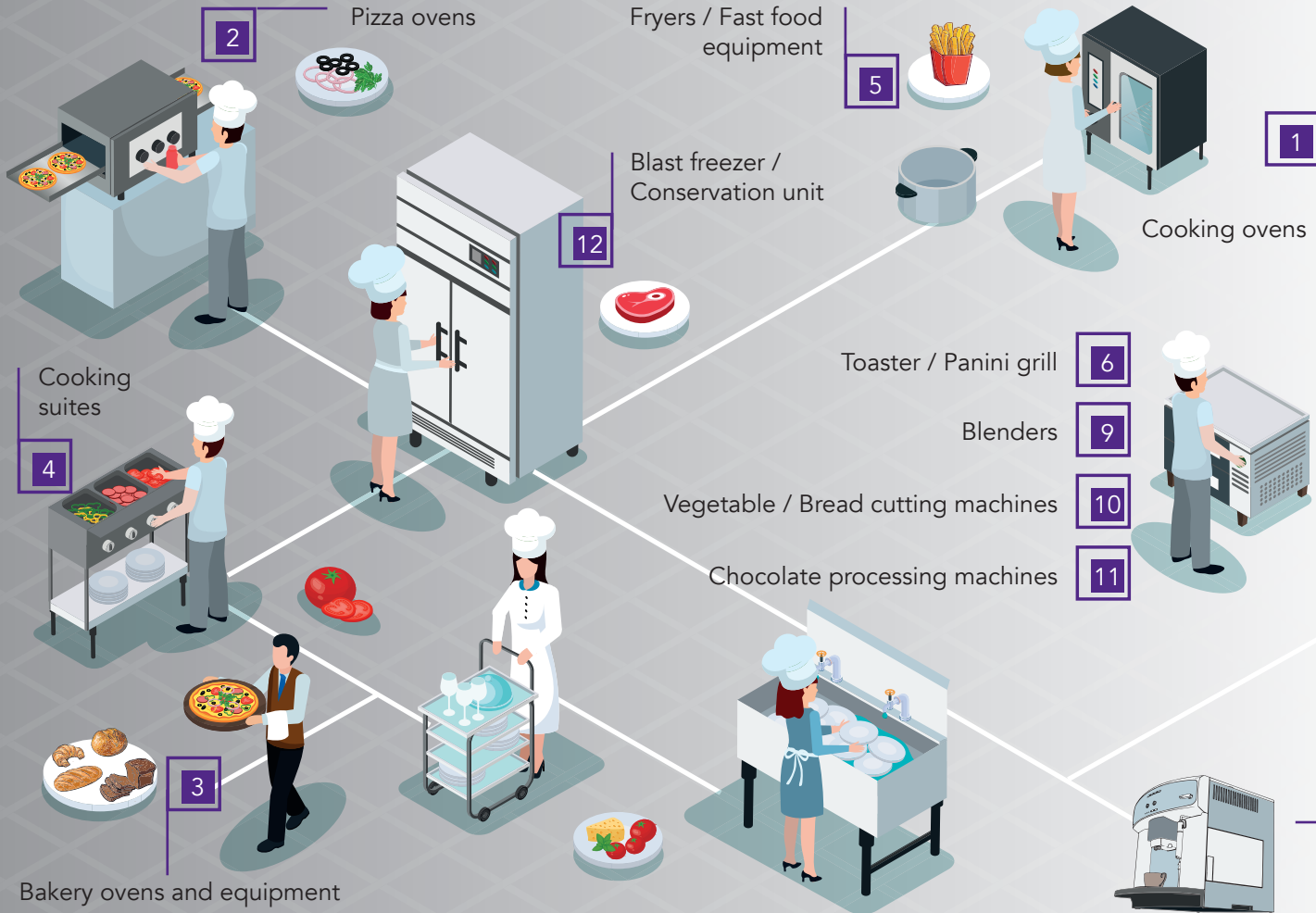


CONSTANT PRODUCT DEVELOPMENT
our experienced R & D engineers constantly work on developing 10 to 15% of new products each year.



IN COMPLIANCE WITH THE MAJOR INTERNATIONAL STANDARDS
our products are designed, tested and manufactured in accordance with the strictest international standards.





SSRS ■ AND MAGNETIC SENSORS FOR EACH EQUIPMENT

CONTENTS



7 Coffee machines

9 Coffee grinders

COOKING EQUIPMENT

4 - 7

1. Cooking ovens
2. Pizza ovens
3. Bakery ovens and equipment
4. Cooking suites

FAST FOOD EQUIPMENT

8 - 9

5. Fryers / Fast food equipment
6. Toaster / Panini grill

COFFEE / VENDING MACHINES

10 - 12

7. Coffee machines
8. Vending machines
9. Coffee grinders

CULINARY PREPARATION

13 - 14

9. Blenders
10. Vegetable / Bread cutting machines
11. Chocolate processing machines

REFRIGERATION

15

12. Blast freezer / Conservation unit

Our solutions - **SOLID STATE RELAYS**

16 - 29

Our solutions - **MAGNETIC SENSORS**

30 - 36



COOKING OVENS

- Heating resistance control
- Water heater control for vapour production in "combined" ovens with convection system
- Motor control of the hot air distribution fan
- Door position detection : open or closed (supervising the opening).

USE OUR DUAL SOLID STATE RELAYS
FOR SPACE SAVING IN YOUR
CONTROL PANELS !

4

5

KEY PRODUCTS

TWO-PHASE
SSR



SOB
pages 22-23

EMC OPTIMISED
SSR



SON and SCFL
pages 26-27

HIGH TEMPERATURE
MAGNETIC
SENSORS



PTA10490
page 32



ROTARY PIZZA OVENS

- Heating control
- Motor control of the rotating bedplate.

celduc® relais' SSR ARE THE RIGHT CHOICE FOR ACCURATE AND LONG LIFE TIME TEMPERATURE CONTROL

KEY PRODUCTS

**SINGLE PHASE
SSR**



**okpac®
pages 18-19**

**THREE-PHASE
SSR**



**cel3pac &
sightpac
pages 28-29**



BAKERY OVENS AND EQUIPMENT

- Pre-heating control
- Heating control.

SUPERIOR DESIGN, EASY TO INSTALL AND OPTIMUM LIFESPAN ARE DELIVERED WITH OUR NEW THREE-PHASE RANGE

6

7

KEY PRODUCTS

EMC OPTIMISED
SSR



SON and SCFL
pages 26-27

THREE-PHASE
SSR



cel3pac and
sightpac
pages 28-29



COOKING SUITES

MAGNETIC PROXIMITY SENSORS : WE ARE THE EXPERTS PROFIT FROM OUR 60 YEARS OF EXPERIENCE

- Temperature control
- Heating element control
- Pan position detection on the burners (to turn them "on" or switch from low to full flame).

KEY PRODUCTS

SINGLE PHASE SSR



celpac® + temperature controller
pages 18-19

HIGH TEMPERATURE MAGNETIC SENSORS



PTA10490
page 32



FRYERS / FAST FOOD EQUIPMENT

- Heating control.

COMPONENTS USED IN FAST-FOOD EQUIPMENT MUST BE RELIABLE AND MUST SUSTAIN HIGH FREQUENCY SWITCHING.

**celduc®'s SOLID STATE RELAYS
MEET THESE REQUIREMENTS**

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9

KEY PRODUCTS

SINGLE PHASE
SSR



celpac®
pages 18-19

THREE-PHASE
SSR



cel3pac & sightpac
pages 28-29



TOASTER / PANINI GRILL

- Heating control
- Machine safety for user protection.

INNOVATION AND QUALITY ARE THE DRIVERS OF OUR THINKING AND DOING

KEY PRODUCTS

SINGLE PHASE
SOLID STATE RELAYS



celpac®
pages 18-19

MAGNETIC
SENSORS



Faston Terminals
pages 20-21



Safety sensors
pages 34-35



COFFEE MACHINES

- Water heating control
- Motor control of grinders and pumps.

**celduc® relais, WORLD LEADER
IN SOLID-STATE POWER SWITCHING & CONTROL !**



Image courtesy of WMF Group GmbH

KEY PRODUCTS

SINGLE PHASE
SSR



okpac®
pages 18-19

TWO-PHASE
SSR



Faston terminals
pages 24-25

FOUR-LEG
SSR



SCQ range
page 25



Image courtesy of Nuova Simonelli

VENDING MACHINES

- Door position detection : open or closed (supervising the opening)
- Heating control for hot-drinks vending machines
- Product presence detection for the dispensing mechanism.

**celduc® relais, MORE THAN 50 YEARS MARKET EXPERIENCE
AND HIGH QUALITY PRODUCTION IN FRANCE**

KEY PRODUCTS

SINGLE PHASE
SSR



okpac®
pages 18-19

MAGNETIC
SENSORS



Screw sensors
pages 30-31



Image courtesy of SandenVendo Europe S.p.a.

COFFEE GRINDERS / BLENDERS

- Motor control
- Detection of coffee level as well as the presence of the drawer in the base before starting the motor
- Detection of the presence of the protective cover.

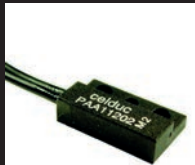
BENEFIT FROM OUR REED TECHNOLOGY FOR LEVEL AND POSITION DETECTION

12

13

KEY PRODUCTS

MAGNETIC PROXIMITY SENSORS



Screw sensors
pages 30-31



Tubular sensors
page 33



VEGETABLE / BREAD CUTTING MACHINES

- Detection of the lever hopper's position to automatically stop the machine when the lever hopper is lifted and to restart automatically when lowered
- Machine safety to protect the operator by stopping the machine in the case of misuse.

ENSURE THE SAFETY OF MACHINE OPERATORS
AND MACHINE OPERATING RELIABILITY

KEY PRODUCT

MAGNETIC
PROXIMITY
SENSORS



High power
switching sensors
pages 34-35

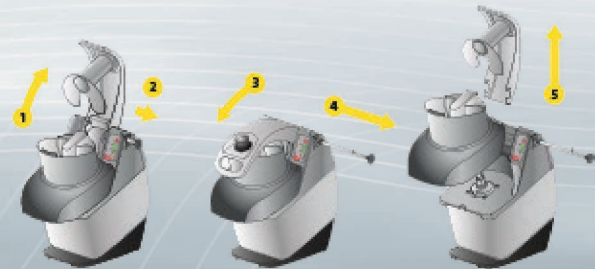


Image courtesy of DITO-SAMA and ELECTROLUX

CHOCOLATE PROCESSING MACHINES

- Heating control for pre-heating time process, tempering and molding of chocolate.

USE celduc[®]relais' SSRS FOR ACCURATE
AND LONG TIME TEMPERATURE CONTROL

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KEY PRODUCTS

SINGLE PHASE
SSR

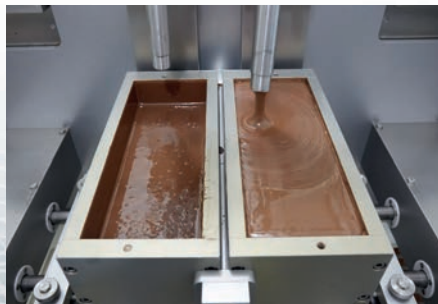


okpac[®]
pages 18-19

THREE-PHASE
SSR



cel3pac & sightpac
pages 28-29



BLAST FREEZER / CONSERVATION UNIT

- Door position detection : open or closed (supervising the opening).

WE CAN DESIGN SPECIFIC PRODUCTS
IN CLOSE COLLABORATION
WITH OUR CUSTOMERS

KEY PRODUCT

MAGNETIC
PROXIMITY
SENSORS



Tubular sensors
page 33



Image courtesy of CFI

SOLID STATE RELAYS

- AC switching up to 130A / 690VAC
- DC switching up to 50A / 1700Vp or 150A / 100Vp
- Diagnostic and protections available

celduc® Solid State Relays (SSRs) are widely used in the food industry as a replacement of electromechanical relays (EMR) because of their ability to work in harsh environments (dust, gas, shocks and vibrations) without operating problems. Fully electronic, there are no moving parts inside

the SSRs, so they have higher life-time expectancy. Furthermore, their semiconductor based design makes them environmentally safe to be used in most applications including : ovens, fast-food equipment, coffee machines, ...

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Single phase Solid State Relays p.18-19

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Single phase Solid State Relays with Faston terminals p.20-21



Two-phase Solid State Relays p. 22-23



Two-phase and 4-leg Solid State Relays with Faston terminals p.24-25



Solid State Relays EMC optimised (low electromagnetic emission – low RFI) p.26-27







Three-phase Solid State Relays & Contactors p.28-29

MAGNETIC PROXIMITY SENSORS

In the food industry, there are numerous applications for our **magnetic proximity sensors** : if you are looking for position, presence or level detection, we are able to offer a solution.
We are eager to offer the best products for your application, thanks to our 60-year experience in the key technologies that we use in our products :

- Reed switch, a dry contact in a sealed glass bulb providing insulation at the same time : a simple, reliable and low cost solution.
- Electronic cell, based on either magneto-resistance or Hall effect, necessary for higher performance, particularly in high frequency operation.

	Screw position magnetic sensors	p. 30-31
	High temperature magnetic sensor	p. 32
	Tubular positions magnetic sensors	p. 32-33
	Magnetic safety sensors without coding	p. 34-35

The solutions displayed in this brochure should not be considered as exhaustive, please visit www.celduc-relais.com

celpac[®] 2G
okpac[®]

TWO RANGES OF SINGLE PHASE SOLID STATE RELAYS TO COVER ALL YOUR NEEDS

OUR **OKPAC**[®] AND **CELPAC**[®] RANGES COMBINE INNOVATION, PERFORMANCES AND DESIGN

With our integrated back to back thyristors technology (direct copper bonded ceramic) offering a very high life expectancy, our SSRs are perfectly adapted to the requirements of food processing machines manufacturers. Our single phase range okpac[®] SO9 or celpac[®] SU9 are ideal solutions for heating resistance control.

We offer a wide range with thyristor ratings up to 130A / 690V as well as a wide AC-DC input range with regulated current models. Removable flaps for IP20 protection.



18

19

Zero-cross single phase Solid State Relays designed for resistive loads AC-51

celpac[®] 2G

Reference	Thyristor rating	Max. switching current at 25°C	Switching voltage	Peak voltage	Control voltage	I ² t	Specifications
SU942460	25A	depends on heatsink	12-280VAC	600V	3-32VDC	600A ² s	For mounting on heatsink
SUL963460	35A	30A	24-600VAC	1200V	3.5-32VDC	882A ²	22.5mm heatsink
SUL967460	75A	35A	24-600VAC	1200V	3.5-32VDC	7200A ² s	22.5mm heatsink

To add functions to your SSR, use our two modules directly pluggable on our SSR type SU and SUL >



ECOM
Temperature controller PID,
current monitor and
communication interface
in one unit



ESUC
Current monitoring,
Diagnostics module



okpac[®]

Reference	Thyristor rating	Switching voltage	Peak voltage	Control voltage	I ² t
SO945460	60A	12-280VAC	600V	3-32VDC	2800A ² s
SO963460	40A	24-600VAC	1200V	3.5-32VDC	1250A ² s
SO965460	60A	24-600VAC	1200V	3.5-32VDC	2800A ² s
SO967460	90A	24-600VAC	1200V	3.5-32VDC	7200A ² s



SO9

Other models available please visit our website www.celduc-relais.com

celduc®

USE OUR SOLID STATE RELAYS WITH "FASTON" TERMINALS FOR A QUICK CONNECTION

20

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SP7 / SP8 RANGE

PLASTIC CASED RELAYS THAT CAN SWITCH UP TO 12A AC51

Solid State Relays with « FASTON » terminals are appropriate for the food industry and for switching current < 20A.

celduc® relays offers a large range of single phase and two-phase SSRs with « FASTON » terminals.

SF5

Compact solution 21mm wide

The very small size of this range, UL and cUL approved, allows it to be placed as an interface in all configurations.

Reference	Thyristor rating	Switching voltage	Control voltage	Specifications
SF548340	30A	12-280VAC	3-32VDC	Zero-cross



SCF

To control resistive loads

Reference	Thyristor rating	Control voltage	Peak voltage	Control voltage	LED	I ² t	Protec.
SCF42160	25A	12-280VAC	600V	4-30VDC	oui	312A ² s	-
SCF42324	25A	12-280VAC	600V	12-30VDC	non	312A ² s	VDR
SCF62160	25A	24-600VAC	1200V	5-30VDC	oui	265A ² s	-

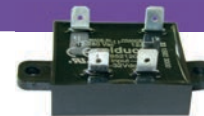


SP7/SP8

This range is well adapted to the food industry

These relays are appropriate for any type of load thanks to high immunity components and an integrated overvoltage protection combined with 800Vpeak power components.

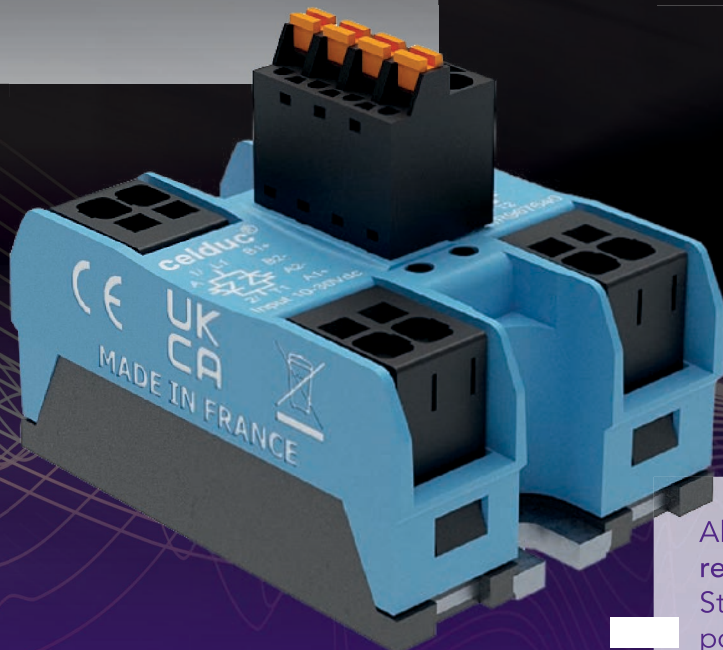
Reference	Thyristor rating	Switching voltage	Peak voltage	Control voltage	I ² t	Specifications
SP752120	25A	12-280VAC	800V	3-32VDC	340A ² s	Random
SP852120	25A	12-280VAC	800V	4-32VDC	340A ² s	Zero-cross



Other models available please visit our website www.celduc-relais.com

okpac[®]

■ USE DUAL RELAYS FOR SPACE SAVING !



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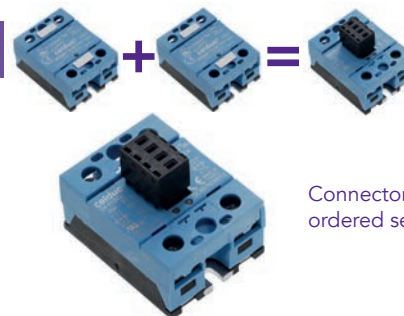
NEW

SOBR RANGE: **"PUSH-IN" SIMPLE CONNECTION**
WITH NO TOOLS REQUIRED

Always ahead in solid-state control innovation, celduc[®] relais has launched a new range of two phase Solid State Relays in okpac[®] housing with push-in spring power terminals.

okpac[®]

Two-phase Solid State Relays



Connectors to be ordered separately

Our two-phase range provides two solid state relays in a compact standard 45mm enclosure.

Advantages of using our two-phase SSRs :

- Cost reduction of the complete solution
- Simple wiring
- Compact standard 45mm housing.

Reference	Thyristor rating	Switching voltage	Peak voltage	Control voltage	I ² t	Specifications
SOB942660	2x25A	12-280VAC	600V	10-30VDC	600A ² s	2 controls
SOB943360	2x35A	12-280VAC	600V	10-30VDC	1250A ² s	1 control
SOB965660	2x50A	24-600VAC	1200V	10-30VDC	2500A ² s	2 controls
SOB967660	2x75A	24-600VAC	1200V	10-30VDC	7200A ² s	2 controls

New range of two phase Solid State Relays in okpac[®] housing with push-in spring power terminals.



Référence	Thyristor rating	Max. switching current at 40°C	Switching voltage	Control voltage	I ² t	Specifications
SOBR943640-HE	2x35A	2x35A	12-280VAC	10-30VDC	882A ² s	TVS
SOBR965640-HE	2x50A	2x41A	24-600VAC	10-30VDC	1680A ² s	TVS
SOBR967640	2x75A	2x41A	24-600VAC	10-30VDC	7200A ² s	TVS

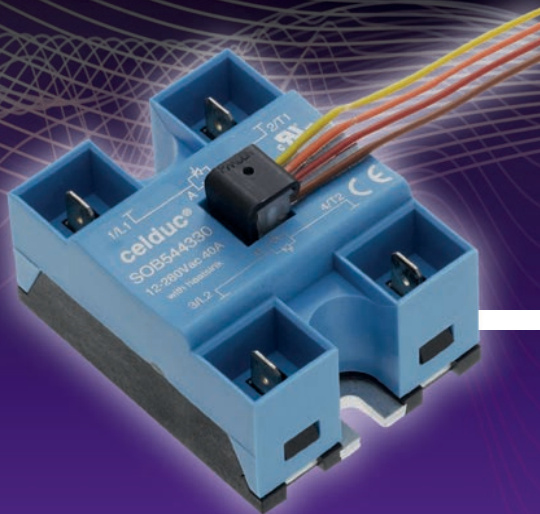
Other models available please visit our website www.celduc-relais.com

celduc®

■ USE OUR TWO-PHASE AND FOUR-LEG POWER SSR WITH FASTON TERMINALS FOR A QUICK CONNECTION AND SPACE SAVING !

NEW

SOB5 RANGE



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- > DOUBLE INPUT WITH CONNECTOR CE100F ITWPANCON TYPE OR SIMILAR.
- > POWER CONNECTION BY FASTON 6,3MM TERMINALS WITH IP20 PROTECTION.

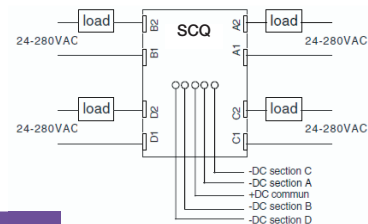
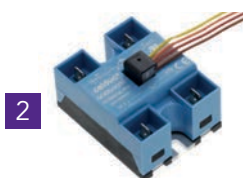
We have introduced pages 20-21 our single phase Solid State Relays with Faston terminals. celduc® relais offers also two-phase and four-leg power SSRs with Faston terminals.

SOB5

Dual okpac® range with Faston terminals

We offer you various possible connections with Faston terminals.

Fig.	Reference	Thyristor rating	Switching voltage	Peak voltage	Control voltage	I ² t	Specifications
1	SOB542460	2x25A	12-280VAC	600V	3-32VDC	265A ² s	Zero-cross / 2 controls
	SOB562460	2x25A	24-600VAC	1200V	3.5-32VDC	265A ² s	
2	SOB544330	2x40A	12-275VAC	600V	8-30VDC	882A ² s	
	SOB564330	2x40A	24-510VAC	1200V	8-30VDC	882A ² s	



SCQ

Four-Leg Solid State Relay

Fig.	Reference	Thyristor rating	Switching voltage	Peak voltage	Control voltage	I ² t	Specifications
3	SCQ842060	4x25A	12-280VAC	600V	3-32VDC	288A ² s	Led

Other models available please visit our website www.celduc-relais.com

celduc®

■ EMC OPTIMISED SOLID STATE RELAYS (LOW ELECTROMAGNETIC EMISSION LOW RFI)

NEW

SON RANGE:

THESE RELAYS ARE DESIGNED FOR USE IN APPLICATIONS WHERE
LOW ELECTROMAGNETIC EMISSION IS ESSENTIAL:
HOUSEHOLD AND ELECTRICAL APPLIANCES, INFORMATION
TECHNOLOGY AND MEDICAL EQUIPMENT.

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You can find standard "low noise" SSRs on the market but these are limited to a low switching current of 5A for domestic applications or to low inductive loads, while lots of pure resistive loads applications have high emission noise.

Our new EMC optimized SON range meets these requirements (Conducted emission noise level < 66dB μ V) and can control class B appliances on pure resistive loads.

According to the application, applicable European standards are different. For celduc®, the major EN standards for Low Electromagnetic Noise Emission are EN55022, EN55011 and EN55014 which represent the main categories for electrical appliances.

SON

Power and control connections with screws

Reference	Thyristor rating	Switching voltage	Peak voltage	Control voltage	I ² t	Specifications
SON845040	50A	40-260VAC	600V	6-32VDC	2800A ² s	EMC optimised (low electromagnetic emission – low RFI)
SON865040	50A	50-480VAC	1200V	6-32VDC	2800A ² s	
SON867040	75A	50-480VAC	1200V	6-32VDC	7200A ² s	



Our new EMC optimized SON can control class B appliances on pure resistive loads with switching current > 5A with conducted emission noise level < 66dB μ V. This is a great advantage compared to standard "low noise" SSRs currently available on the market.

Standard	Reference standard	Current limit
CEI 60947-1	CISPR 11, B class, 1st group	40A @ 220V
CEI 60947-4-3	CISPR 22, B class	27A @ 400V

SCFL

Power connection by FASTON terminals

Reference	Thyristor rating	Switching voltage	Peak voltage	Control voltage	I ² t	Specifications
SCFL42100	25A	12-280VAC	600V	4-30VDC	312A ² s	EMC optimised (low electromagnetic emission – low RFI)
SCFL62100	25A	24-440VAC	1200V	5-30VDC	312A ²	



Other models available please visit our website www.celduc-relais.com

cel3pac
sightpac

THREE-PHASE SOLID STATE RELAYS & CONTACTORS : NEW VISIONARY RANGES



SMT RANGE (45MM VERSION)
SGT RANGE (100MM VERSION)

NEW

Superior design, easy installation, optimum lifespan and price effectiveness are delivered with the new generation of three-phase Solid State Relays.

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cel3pac sightpac

Three-phase Solid State Relays & Contactors

- Maximum peak voltage up to 1600V,
- Thyristor rating up to 125A,
- AC or DC Input control available,
- Using TMS² technology thyristors and RVF process (RoHs Void Free Process) for a longer lifespan (+40%),
- IP20 protection on terminals with removable flaps,
- Protections available : RC snubber, VDR, TVS.

Reference	Thyristor rating	Switching current AC-51 (40°C)	Switching current AC-53 (40°C)	Switching voltage	Peak voltage	Control voltage	I ² t	Protections
cel3pac range								
SGT8678500	3x75A	3x54A	3x16A	24-520VAC	1600V	24-255VAC/DC	7 200A ² s	RC – VDR
SGT8690500	3x125A	3x64A	3x32A	24-520VAC	1600V	4-30VDC	22 000A ² s	RC – VDR
SGT8850200	3x50A	3x42A	3x12A	24-640VAC	1600V	4-30VDC	2800A ² s	VDR
SGT8858200	3x50A	3x42A	3x12A	24-640VAC	1600V	24-255VAC/DC	2 800A ² s	VDR
SGT9834300	3x35A	3x30A	-	24-660VAC	1600V	4-30VDC	1250A ² s	TVS
SGT9854300	3x50A	3x42A	-	24-660VAC	1600V	4-30VDC	2800A ² s	TVS
SGT9874300	3x75A	3x54A	-	24-660VAC	1600V	4-30VDC	7200A ² s	TVS
sightpac range								
SMT8620520	3x25A	3x20A	3x5A	24-520VAC	1200V	4-30VDC	380A ² s	RC – VDR
SMT8628520	3x25A	3x20A	3x5A	24-520VAC	1200V	24-255VAC/DC	380A ² s	RC - VDR

Other models available please visit our website www.celduc-relais.com

POSITION SENSORS

LOOKING FOR POSITION DETECTION, DOOR OPENING DETECTION OR THE PRESENCE OF A PROTECTIVE COVER...

CONSULT OUR RANGE OF MAGNETIC PROXIMITY SENSORS USING REED SWITCHES, A DRY CONTACT IN A SEALED GLASS BULB.

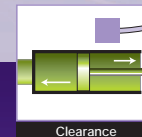
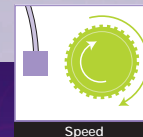
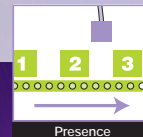
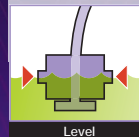
30

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Possible contact type:

- NO / A Form ▶ Normally Open
- NF / B Form ▶ Normally Closed
- BISTABLE NO / L Form
- CHANGE-OVER / C Form



SCREW POSITION SENSORS



Range	PAA	PAB	PLA	PLB	PLC	PB367	PB390 / PBA
Contact status	NO	NC	NO	NC	Change-over	NC	NO
Max. switching power	12VA	3VA	12VA	12VA	NC : 3VA NO : 8VA	NC	NO
Max. switching voltage	100VDC	100VDC	100VDC or 250VDC	250VDC	100VDC	250VDC	250VDC
Max. switching current	0.4A	0.25A	0.4A	0.4A	0.25A	0.5A	0.5A
Activation distance	Between 10 & 18mm with P6250000 (depends on model)		Between 10 & 19mm with P6250000 (depends on model)	$4 \leq D \leq 12$ mm (magnet provided)	Between 10 & 14mm with P6250000 (depends on model)	6mm with P4159000	13mm with P4160000
Working temperature	-40 to +100°C						
Dimensions (mm)	23x14x6		32x15x6,8			51x8,5x11,5	
Fixing screws distance	14mm		17,5mm			40mm	

UL approved products on request

Other sensitivities, cable lengths or connection types are possible. Consult us !

www.celduc-relais.com

celduc[®]

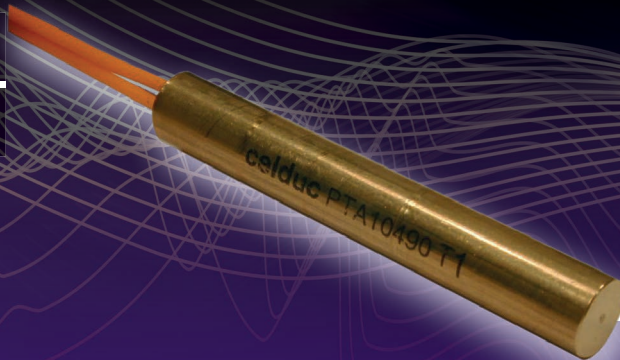
HIGH TEMPERATURE MAGNETIC PROXIMITY SENSORS

PTA10490

THIS RAW BRASS SENSOR CAN BE USED AT WORKING TEMPERATURES UP TO +120°C

- > Contact status : NO
- > Max. switching power : 10VA
- > Max. switching voltage : 100VDC
- > Max. switching current : 0,4A
- > Activation distance with magnet P6250000 : 16mm
- > Working temperature : -40 to +120°C

In cooking ovens, magnetic proximity sensors are used to supervise the opening and closing of doors.



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TUBULAR POSITION SENSORS



Range	PTA	PTB	PTC	PTPA0230	PTPB0010	PTI4	PTI5	PTI6	PTI7
Contact status	NO	NC	Change-over	NO	NC	NO	NC	NO	NC
Max. switching power	12VA	3VA	NC : 3VA NO : 8VA	12VA	12VA	12VA	5W	12VA	5W
Max. switching voltage	100VDC	100VDC	100VDC	100VDC	100VDC	200VDC	175VDC	200VDC	175VDC
Max. switching current	0,4A	0,25A	0,25A	0,5A	0,5A	0,5A	0,25A	0,5A	0,25A
Activation distance	PTA : between 7 and 18mm PTB : 14mm ; PTC : 7mm (with P6250000)			PTPA : 30mm PTPB : 10mm (magnet provided)		PTI4 : 12mm PTI5 : 7mm (with PT505000)		12mm with PT505100	7mm with PT505100
Working temperature	-40 to +85°C								
Dimensions (mm)	Ø6x30 Plastic			Ø23x27 Plastic	Ø23x28 Plastic	M8x1 – Lg31 Plastic		M8x1 – Lg40 Stainless Steel	M8x1 – Lg40 Stainless Steel

Other sensitivities, cable lengths or connection types are possible. Consult us! www.celduc-relais.com

celduc®

■ HIGH POWER SWITCHING SENSORS

ASSUREZ-VOUS DE LA SECURITE DES VOS
Ensure the safety of machine operators
and machine operating reliability !

PSA60010 / PSA60020

THESE SENSORS ARE MANUFACTURED IN COMPLIANCE
WITH THE EUROPEAN DIRECTIVE 2006/42/CE

- > PLc according to ISO13849-1
- > SIL1 according to IEC62061
- > Category 1
- > High MTTFd
- > UL approved product



The PSA60010 and PSA60020 are magnetic power proximity sensors with a wide working voltage range, protected from transient voltage phenomena and using reliable components.

These sensors allow load control up to 3A.



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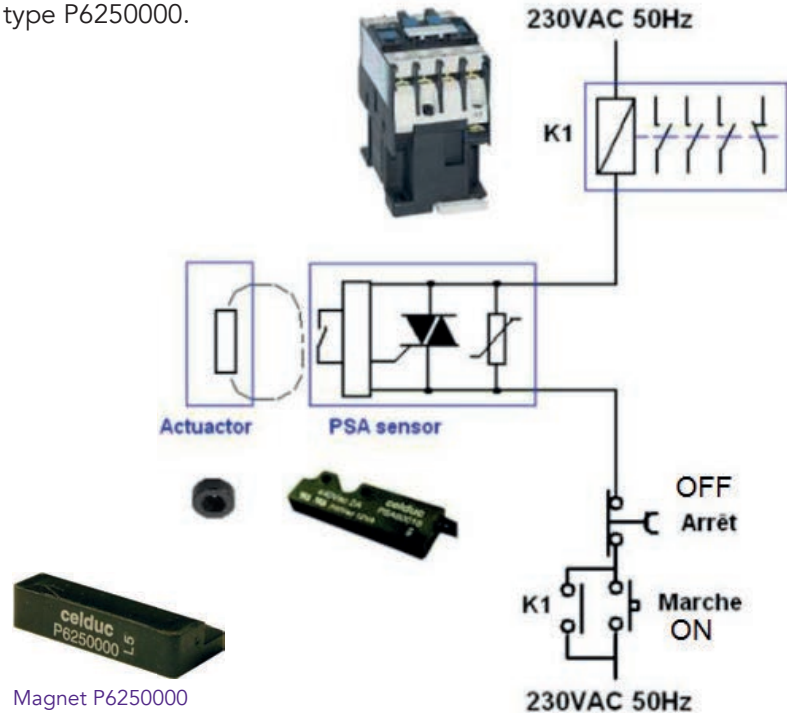
PSA

Magnetic safety sensors without coding

These magnetic safety sensors without coding have been designed to meet the security requirements for machines presenting "low danger" to operators. The actuator is a base magnet or a molded magnet type P6250000.



Range	PSA60010	PSA60020
Contact status	NO	NO
Max. switching power	500VA	500VA
Max. switching voltage	24-440VAC	6-440VAC
Max. switching current	3A	3A
Cable length	2 wires 350mm	2 wires 3m
Activation distance	12mm with P6250000	12mm with P6250000
Working temperature	-40 to +85°C	-40 to +85°C
Dimensions (mm)	51x16x7	
Fixing screws distance	16mm	



Magnet P6250000 to be ordered separately

celduc® relais ALSO PRODUCE

MAGNETIC SAFETY SENSORS

to ensure the safety of machine operators.

celduc® relais is offering coded magnetic Safety sensors with REED technology.



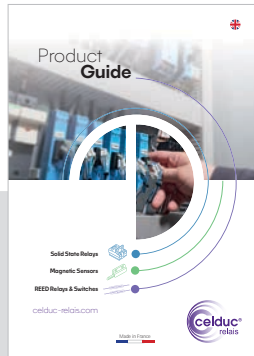
REED RELAYS & SWITCHES

For detection of clearance, position and level in extreme environments with no mechanical link between moving parts. These magnetically actuated maintenance free Reed switches can meet the toughest challenges that industry can throw at them.

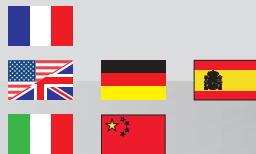


MORE INFORMATION NEEDED ? www.celduc-relais.com

Catalogues and leaflets available on request



Product Guide



Single Phase SSRs &
Contactors celpac range



Three-Phase SSRs
& Contactors cel3pac
& sightpac ranges



celduc® relais

worldwide presence in more than 60 countries

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ARGENTINA	MEXICO
AUSTRALIA	MOROCCO
AUSTRIA	THE NETHERLANDS
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All technical characteristics are subject to change without previous notice // March 2026 – CATA-FOOD-UK