



# Newsletter September 2015

## Flatpac range - Low profile h=16,3mm



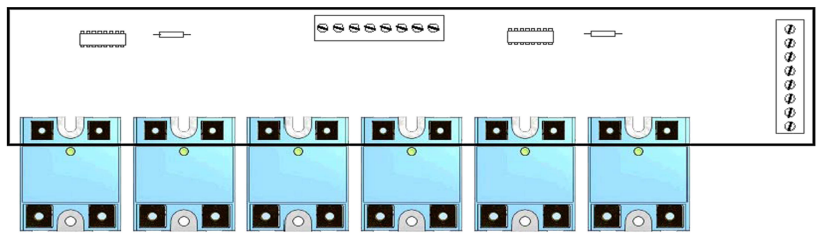
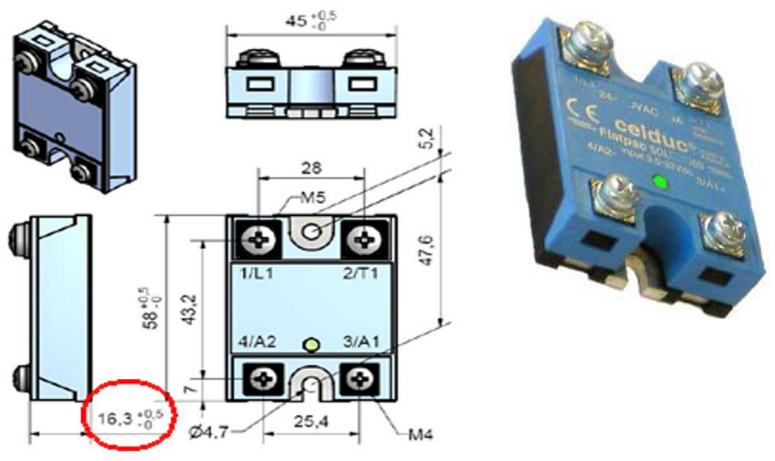
Our Flatpac® range of Solid State Relays has only 16,3mm high!

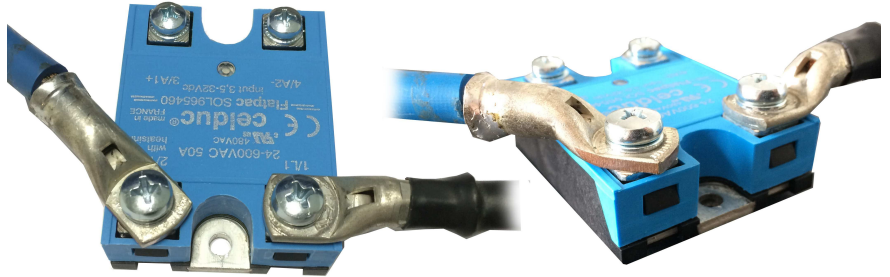
Flatpac® SSRs are mainly designed for applications where a PCB is used on the input, possibly on the output side. In fact the small size of this relay makes it easy when room is missing. Wiring will be facilitated as this relay also allows input or output cables to go any direction

References now available :

- [SOL942460](#) - 25A - 12-280VAC - Ctrl 3-32VDC
- [SOL942960](#) - 25A - 12-280VAC - Ctrl 185-265VAC/DC
- [SOL965460](#) - 50A - 24-600VAC - Ctrl 3,5-32VDC

Other power rating and / or control are available on request.





## UL SCCR approval

For UL508A standard SCCR means Short Circuit Current Rating.

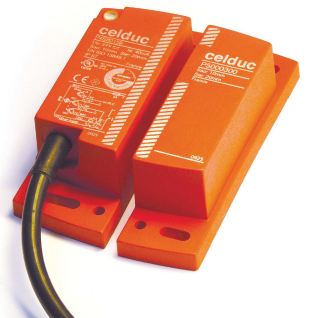
From the 1st of April 2015 our power Solid State Relays have passed with success the **100kA UL SCCR** test.

In fact some customers require SCCR > 5KA with reference to UL508 sup SB standard.



## P3S and P4S range Autonomous safety sensors with coded magnetic technology & safety module integrated !

Magnetic  
Sensors



For an appropriate safety !

With these new products, celduc relais completes its range of safety sensors now made of 2 product lines :

- PSS/PXS range which should be connected to suitable safety module,
- P3S/P4S range with safety module integrated.

These products are designed for monitoring the doors, covers and guards of industrial machines with imprecise guiding and low inertia. They protect the operator by immediately stopping any dangerous movement as soon as the distance between the switch and its magnet is greater than 5 or 8mm.

#### **Benefits of our new P3S/P4S range:**

- Easy to integrate inside the cabinets,
- Entirely electronic with high coding level (inviolability),
- High resistance to shocks and vibrations,
- Self-protected static outputs (short-circuit of the load and temperature).
- Virtually unlimited life time (very high MTTFd).

#### **Main technical characteristics:**

- Cable outputs (standard 2, 5 or 10 meters) or M12 connectors with high resistance to external attacks (cutting oils, ...),
- Protection level : Very solid IP67 plastic housing and high-pressure washing resistance (IP69K),
- Safety level : Standard EN 13849-1 Performance level PL:e (EN 954-1) Category 3 and 4. Standard EN 62061 (in accordance IEC 61508) SIL3

**-P3S version** with redundancy and internal monitoring for using in category 3 according EN 13849-1. It is possible to connect up to 32 sensors in series.

**-P4S version** with redundancy, internal and external monitoring of external contactors with EDM (External Devices Monitoring) feedback loop for using in category 4 according EN 13849-1. Status output informing any defect of the system.

#### **Main applications:**

-For our P3S and P4S range  
Industrial machines with gates having imprecise guidance and or subject to frequent washing, packaging machines, food processing machines, machines for the production of micro-components.

-For our PSS and PXS range  
Light industrial machines, handling, textile machines, robotics, machines tools.

[Technical data-sheet P3S - P4S](#)

[Our complete range of safety sensors](#)

## **celduc® solutions for smoke ventilation systems**

celduc® relais offers for these smoke ventilation systems its PSC range of magnetic proximity sensors with change-over contact.

Two sensors are necessary : one for each position of the frame (open and closed). The sensor used for the opening position should guarantee a certain opening angle.

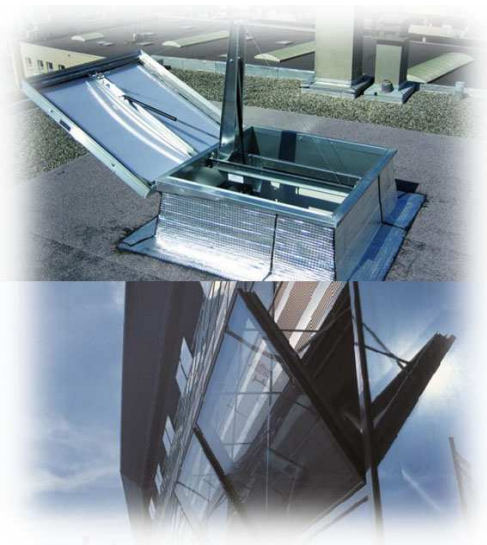
References available :

- [PSC41000](#)
- [PSC42000](#)

Main applications :

- Smoke venting opening systems
- Facade windows





## Exhibitions - October 2015

We are pleased to inform you that celduc products will be presented at the following exhibition :



### **-ELOSYS 2015 - Trenčín - SLOVAKIA**

From the 13th to 16th of October 2015

Exhibitor : Elmart s.r.o.

[Website](#)



### **-HOST 2015 - Milan - ITALIE**

From the 23rd to 27th of October 2015

Exhibitor : celduc relais / Mechtex

Stand R22 & S21 Pavillon 24

[Website](#)

celduc relais  
5 rue Ampère - BP30004  
42290 SORBIERS France

Tel. Standard : +33 (0) 4 77 53 90 00  
Tel. Sales department for France : +33 (0) 4 77 53 90 20  
Tel. Sales department for Europe : +33 (0) 4 77 53 90 21  
Tel. Sales department for Asia : + 33 (0) 4 77 53 90 19  
Tel. Sales department for America : + 33 (0) 4 77 53 90 21  
Tel. Purchasing department : +33 (0) 4 77 53 90 18  
Tel. Financial and administrative : + 33 (0) 4 77 53 90 05  
Fax : +33 (0) 4 77 53 85 51

E-mail : [celduc-relais@celduc.com](mailto:celduc-relais@celduc.com)

Website : [www.celduc-relais.com](http://www.celduc-relais.com)



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