

SGT 1G vs SGT 2G

Three-phase SSR 2nd generation **vs**
Three-phase SSR 1st generation



In 2017 **celduc relais** has launched its new range of three-phase SSRs. Superior design, easy to install and optimum lifespan are delivered with this new generation (2G) of three-phase Solid state Relays. With this note you will better understand the differences between 1st generation and 2nd generation : **don't wait any longer to move to 2G version !**

celduc relais has several ranges of solid-state relays for three-phase applications. Various models are available with ratings up to 125A max. per phase, with either AC or DC input and with instant (asynchronous) or zero cross (synchronous) switching.

EASY AND FAST CONNECTIONS

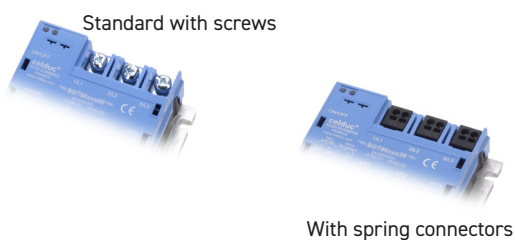
cel3pac®

- Version with 100 mm installation width,
- Small footprint: 34.7 mm height,
- Improved connections to increase switching current limits,
- Increase in the size of terminals on the power side: up to 50 mm²

sightpac®

- Compact 45 mm version,
- Same fixing distance as our okpac® and celpac® ranges,
- An innovative and scalable range (optional future modules).

Connection
on the
POWER SIDE



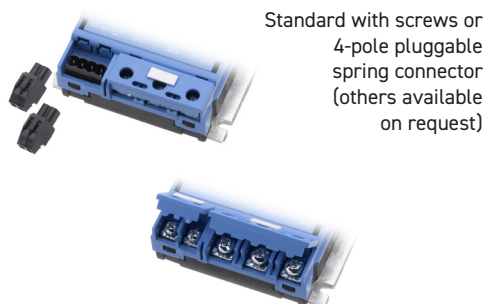
Standard
with screws



With spring
connectors



Connection
on the
CONTROL SIDE



Standard with screws or
4-pole pluggable
spring connector
(others available
on request)



With pluggable
connector

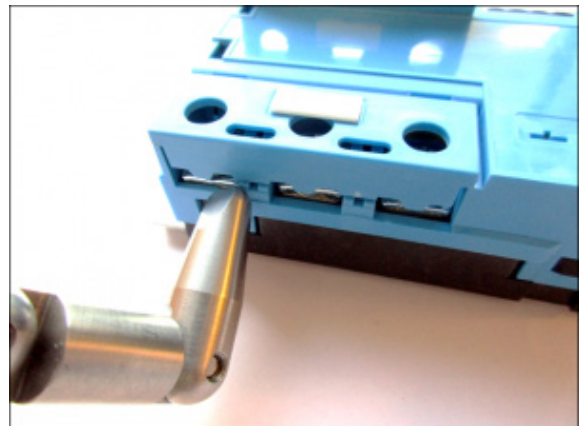
cel3pac® SGT 1G vs SGT 2G

REMINDER

SGB7 / SGT7	Random or instant switching
SGB8 / SGT8	Zero cross for most types of loads
SGB9 / SGT9	Zero cross for resistive loads AC-51

1- IP20 protection

IP20 protection is in standard for our new three-phase range cel3pac, thanks to their removable flaps.



2- Higher size power connections

With our new range of 3-phase SSRs, celduc is offering larger power connections : up to 50mm (AWG1).



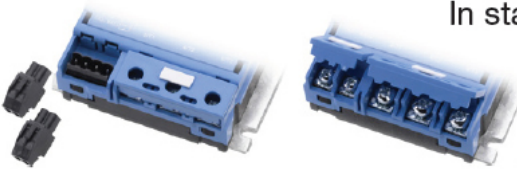


3- New connection type

Spring connectors for easy and fast connections

With this new cel3pac range, celduc relais offers different types of connections :

cel3pac®

POWER WIRING	 With screws connection	 With spring terminals
CONTROL WIRING	 In standard with screws connection or with 4 pins pluggable spring connector (others on request)	

What are the advantages of the “Push-In” Connection ?

- Simple connection without physical constraint and without tools
- Fast wiring, even in tight spaces

Wiring 100% secure, 70% faster : Time saving

4- Improved connections to increase switching current limits

Thermal current limit : 3x64A AC-51 / 3x32A AC-53

In comparison to our previous generation limited at 50A

5- Low profile

Height 34.5mm instead of 40mm

To summarize

Three-phase SSR 1st generation (1G)



SVT 1G range with 40mm housing



SGT 1G range with 47,6mm housing



SVT 1G range with 40mm housing



SGT 1G range with 47,6mm housing

Three-phase SSR 2nd generation (2G)



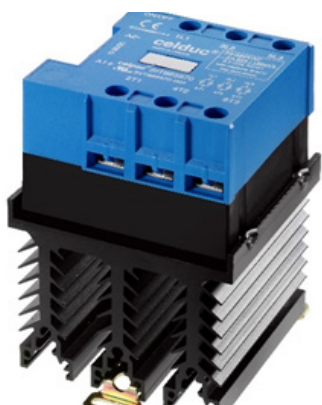
SGT 2G

- + IP20 protection
- + Higher size power connections
- + New connection type
- + Improved connections
- + Low profile

New



Ready to use



SIT and SWT ranges

SGT 2G mounted on heatsink

sightpac®

Discover also our compact 45mm three-phase range

celduc relais offers also a compact 45mm version with standard screws connection or spring connectors. "Ready to use" version mounted on heatsinks are also available.



Thanks for reading



www.celduc-relais.com