

# ANALOGUE CONTROL RELAYS

## SG4

→ Single phase angle controllers

This relay is designed to proportionally vary the switching point on a sinusoidal mains supply via an isolated analogue control signal thereby varying the RMS voltage at the terminals of the load. Applications : light dimmer, heating regulation, single phase variable speed control (vibrating feeders,etc). Model with LED and RC and VDR network.

Product reference	Thyristor rating	Switching voltage	Control voltage	I <sup>2</sup> t	External power supply required ?
SG444020	40A	115-265VAC	0-10VDC	1 500A <sup>2</sup> s	no
SG464020	40A	200-460VAC	0-10VDC	1 500A <sup>2</sup> s	
SG468020	70A	200-460VAC	0-10VDC	5 000A <sup>2</sup> s	
SG469020	110A	200-460VAC	0-10VDC	20 000A <sup>2</sup> s	
SG444120	40A	115-265VAC	Potentiometer	1 500A <sup>2</sup> s	
SG464120	40A	200-460VAC	Potentiometer	1 500A <sup>2</sup> s	
SG469120	110A	200-460VAC	Potentiometer	20 000A <sup>2</sup> s	
SG444420	40A	115-265VAC	4-20mA	1 500A <sup>2</sup> s	
SG464420	40A	200-460VAC	4-20mA	1 500A <sup>2</sup> s	
SG468420	70A	200-460VAC	4-20mA	5 000A <sup>2</sup> s	
SG469420	110A	200-460VAC	4-20mA	20 000A <sup>2</sup> s	

These products should be mounted on heatsinks in order to reach nominal current.



• Dim. 100 x 73,5 x 39,5 mm

## SO4

→ Single phase angle controllers

The SO4 are our phase angle controllers in okpac® housing (to mount on heatsinks). The microcontroller controlling these controllers can adapt the function to your application. This range is primarily suited to resistive loads.

Product reference	Thyristor rating	Switching voltage	Control voltage	External power supply required ?	Fig.
SO445020	50A	100-280VAC	0-10V	yes	1
SO465020	50A	200-480VAC	0-10V	yes	1
SO468020	95A	200-480VAC	0-10V	yes	1
SO469020	125A	200-480VAC	0-10V	yes	1
SO468120	95A	200-480VAC	0-5V	yes	1
SO467501	75A	160-450VAC	1-5V	no	3
SO445320	50A	100-280VAC	Potentiometer	yes	1
SO465320	50A	200-480VAC	Potentiometer	yes	1
SO445420	50A	90-265VAC	4-20mA	no	2
SO465420	50A	200-480VAC	4-20mA	no	2
SO467420	75A	200-480VAC	4-20mA	no	2
SO468420	95A	200-480VAC	4-20mA	no	2
SO469420	125A	200-480VAC	4-20mA	no	2
SO465620	50A	200-480VAC	PWM	yes	1



• Dim. 45 x 58,2 x 27 mm



Other functions possible : phase angle control, full wave pulse control, fast burst control Soft-Starter, timers and flashing relay, ... - please consult us.