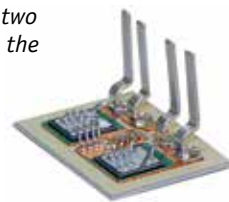


Single Phase Solid State Relays

All our solid state relays fitted with back to back thyristors (power products : single phase, two phase, three phase) now use TMS² technology with a very high life expectancy compared to the majority of products on the market (application note on request).



okpac[®] Innovation Performances and Design !

- Versatile, easy and quick connections
- Removable IP20
- Same screwdriver for outputs and inputs
- Tightening on metal baseplate not on plastic
- Removable control terminals
- SSR, mains and load status.
- Output voltage from 24 to 690 VAC (600V-1200V-1600V peak)
- Very low zero-crossing level
- Large and regulated AC and DC input voltage
- Control status LED
- EMC compatible for industrial environment
- UL/cUL, VDE (EN60950), IEC/EN60947-4-3, CE marking
- I_{tsm} up to 2 000A and I²t > 20 000A²s
- Protection against circuit breaker.

Versatile, easy and quick connections

POWER WIRING



Direct connection by wire or tip
 2 x 6 mm² (AWG10)
 fine strand i.e. 32A
 2 x 10 mm² (AWG8)
 solid i.e. 50A



With tips with contained palm

Up to 25mm² (AWG4) i.e. 85A
 Up to 50mm² (AWG1)
 with or without special adaptations i.e. 150A



Screw with brake washers
 Better behaviour with shocks and vibrations

CONTROL WIRING



Screws connection
 (S07 / S08 / S09 / S0L)



Removable spring terminals
 (SOR)

S07

Typical applications : Motors (AC-53), inductive loads and phase angle control applications.

- Random or instant switching
- Voltage protection on input (transil) and output (RC and VDR).

Product reference	Thyristor rating	Switching voltage	Peak voltage	Control voltage	I ² t	Dimensions mm
SO745090	50A	12-275VAC	600V	3-32VDC	2 800A ² s	45 x 58,5 x 30
SO763090	35A	24-510VAC	1200V	3,5-32VDC	1 250A ² s	
SO765090	50A	24-510VAC	1200V	3,5-32VDC	2 800A ² s	
SO767090	75A	24-510VAC	1200V	3,5-32VDC	7 200A ² s	
SO768090	95A	24-510VAC	1200V	3,5-32VDC	16 200A ² s	
SO769090	125A	24-510VAC	1200V	3,5-32VDC	24000A ² s	
SO785060	50A	24-690VAC	1600V	3,5-32VDC	2 800A ² s	
SO789060	125A	24-690VAC	1600V	3,5-32VDC	22 000A ² s	



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



Single Phase Solid State Relays

okpac®

S08

Designed for most types of loads

- Zero cross with low zero-crossing level (<12V)
- Voltage protection on input (transil) with very high immunity according to IEC/EN61000-4-4
- IP20 protection
- Control current < 13mA for all the voltage range at any operating temperature
- Control status LED

Product reference	Thyristor rating	Switching voltage	Peak voltage	Control voltage	I ² t	Dimensions mm
SO842074	25A	12-275VAC	600V	3-32VDC	600A ² s	45 x 58,5 x 30
SO842974	25A	12-275VAC	600V	20-265VAC/DC	600A ² s	
SO843070	35A	12-275VAC	600V	3-32VDC	1 250A ² s	
SO843970	35A	12-275VAC	600V	20-265VAC/DC	1 250A ² s	
SO845070	50A	12-275VAC	600V	3-32VDC	2 800A ² s	
SO845970	50A	12-275VAC	600V	20-265VAC/DC	2 800A ² s	
SO848070	95A	12-275VAC	600V	3-32VDC	16 200A ² s	
SO849070	125A	12-275VAC	600V	3-32VDC	22 000A ² s	
SO863070	35A	24-510VAC	1200V	3,5-32VDC	1 250A ² s	
SO863970	35A	24-510VAC	1200V	20-265VAC/DC	1 250A ² s	
SO865070	50A	24-510VAC	1200V	3,5-32VDC	2 800A ² s	
SO865970	50A	24-510VAC	1200V	20-265VAC/DC	2 800A ² s	
SO867070	75A	24-510VAC	1200V	3,5-32VDC	7 200A ² s	
SO867970	75A	24-510VAC	1200V	20-265VAC/DC	7 200A ² s	
SO868070	95A	24-510VAC	1200V	3,5-32VDC	16 200A ² s	
SO868970	95A	24-510VAC	1200V	20-265VAC/DC	16 200A ² s	
SO869070	125A	24-510VAC	1200V	3,5-32VDC	22 000A ² s	
SO869970	125A	24-510VAC	1200V	20-265VAC/DC	22 000A ² s	
SO885060	50A	24-690VAC	1600V	3,5-32VDC	2 800A ² s	
SO885960	50A	24-690VAC	1600V	20-265VAC/DC	2 800A ² s	
SO887060	75A	24-690VAC	1600V	3,5-32VDC	7 200A ² s	
SO888060	95A	24-690VAC	1600V	3,5-32VDC	16 200A ² s	
SO889060	125A	24-690VAC	1600V	3,5-32VDC	22 000A ² s	



HIGH VOLTAGE
RELAY

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

S09

Typical applications : Resistive loads (AC-51)

- Zero cross
- Control status LED
- IP20 protection

S09 range with regulated control current – control current <13mA

Product reference	Thyristor rating	Switching voltage	Peak voltage	Control voltage	I ² t	Dimensions mm
SO941460	12A	12-280VAC	600V	3-32VDC	128A ² s	45 x 58,5 x 30
SO942460	25A	12-280VAC	600V	3-32VDC	600A ² s	
SO943460	40A	12-280VAC	600V	3-32VDC	1 250A ² s	
SO945460	50A	12-280VAC	600V	3-32VDC	2 800A ² s	
SO963460	40A	24-600VAC	1200V	3,5-32VDC	1 250A ² s	
SO965460	60A	24-600VAC	1200V	3,5-32VDC	2 800A ² s	
SO967460	90A	24-600VAC	1200V	3,5-32VDC	7 200A ² s	
SO96846T	95A	24-600VAC	1200V	3,5-32VDC	11 250A ² s	

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

S09 range with simplified input

Product reference	Thyristor rating	Switching voltage	Peak voltage	Control voltage	I ² t	Dimensions mm
SO942860	25A	12-280VAC	600V	15-32VAC/10-30VDC	600A ² s	45 x 58,5 x 30
SO942960	25A	12-280VAC	600V	185-265VAC/DC	600A ² s	

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

