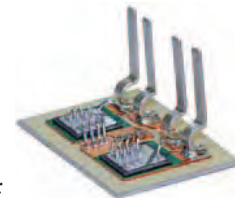


Power Relays



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, Performance and Design !

Innovations :

- Screw connection up to 50mm²
- Removable control terminals
- Removable IP20
- Versatile, easy and quick connections
- Same screwdriver for outputs and inputs
- Tightening on metal baseplate not on plastic
- SSR, mains and load status
- Less potting resin : environmentally friendly
- 25 to 30% lighter than the SC range.

Performances :

- Designed for all types of loads Current from 12 to 125A
- TMS² technology 4th generation with very long life time expectancy
- 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
- Very high immunity according IEC/EN61000-4-4 (bursts) and IEC/EN61000-4-5 (spikes) : 4KV with no change of state
- EMC compatible for industrial environment
- UL/cUL, VDE (EN60950), IEC/EN60947-4-3, CE marking
- I_{tsm} up to 2000A and I²t > 20 000A²s
- Protection against circuit breaker.

S07 range

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	Switching current	Switching voltage	Peak voltage	Control voltage	Control current	I ² t	Dimensions mm
SO745090	50A	12-275VAC	600V	3-32VDC	I _c <13mA	2500A ² s	45x58,5x30
SO747090	75A	12-275VAC	600V	3-32VDC	I _c <13mA	7200A ² s	
SO763090	35A	24-510VAC	1200V	3,5-32VDC	I _c <13mA	1250A ² s	
SO765090	50A	24-510VAC	1200V	3,5-32VDC	I _c <13mA	2500A ² s	
SO767090	75A	24-510VAC	1200V	3,5-32VDC	I _c <13mA	7200A ² s	
SO768090	95A	24-510VAC	1200V	3,5-32VDC	I _c <13mA	14400A ² s	
SO769090	125A	24-510VAC	1200V	3,5-32VDC	I _c <13mA	24000A ² s	
SO789060	125A	24-690VAC	1600V	3,5-32VDC	I _c <13mA	24000A ² s	

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

S08 range

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	Switching current	Switching voltage	Peak voltage	Control voltage	Control current	I ² t	Dimensions mm
SO842074	25A	12-275VAC	600V	3-32VDC	I _c <13mA	600A ² s	45x58,5x30
SO842974	25A	12-275VAC	600V	20-265VAC/DC	I _c <10mA	600A ² s	
SO843070	35A	12-275VAC	600V	3-32VDC	I _c <13mA	1250A ² s	
SO843970	35A	12-275VAC	600V	20-265VAC/DC	I _c <10mA	1250A ² s	
SO845070	50A	12-275VAC	600V	3-32VDC	I _c <13mA	2500A ² s	
SO847070	75A	12-275VAC	600V	3-32VDC	I _c <13mA	7200A ² s	
SO848070	95A	12-275VAC	600V	3-32VDC	I _c <13mA	14400A ² s	
SO849070	125A	12-275VAC	600V	3-32VDC	I _c <13mA	24000A ² s	
SO863070	35A	24-510VAC	1200V	3,5-32VDC	I _c <13mA	1250A ² s	
SO863970	35A	24-510VAC	1200V	20-265VAC/DC	I _c <10mA	1250A ² s	
SO865070	50A	24-510VAC	1200V	3,5-32VDC	I _c <13mA	2500A ² s	
SO865970	50A	24-510VAC	1200V	20-265VAC/DC	I _c <10mA	2500A ² s	
SO867070	75A	24-510VAC	1200V	3,5-32VDC	I _c <13mA	7200A ² s	
SO867970	75A	24-510VAC	1200V	20-265VAC/DC	I _c <10mA	7200A ² s	
SO868070	95A	24-510VAC	1200V	3,5-32VDC	I _c <13mA	14400A ² s	
SO868970	95A	24-510VAC	1200V	20-265VAC/DC	I _c <10mA	14400A ² s	
SO869070	125A	24-510VAC	1200V	3,5-32VDC	I _c <13mA	24000A ² s	
SO869970	125A	24-510VAC	1200V	20-265VAC/DC	I _c <10mA	24000A ² s	
SO885060	50A	24-690VAC	1600V	3,5-32VDC	I _c <12mA	2500A ² s	
SO885960	50A	24-690VAC	1600V	20-265VAC/DC	I _c <12mA	2500A ² s	
SO887060	75A	24-690VAC	1600V	3,5-32VDC	I _c <12mA	7200A ² s	
SO888060	95A	24-690VAC	1600V	3,5-32VDC	I _c <12mA	14400A ² s	
SO889060	125A	24-690VAC	1600V	3,5-32VDC	I _c <12mA	24000A ² s	

HIGH VOLTAGE RELAY

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

SO9 range

Typical applications : Resistive loads (AC-51)

- Zero cross
- Control status LED
- IP20 protection



SO9 range with regulated control current

Product reference	Switching current	Switching voltage	Peak voltage	Control voltage	Control current	I ² t	Dimensions mm
SO941460	12A	12-280VAC	600V	3-32VDC	I _c <13mA	128A ² s	45x58,5x30
SO942460	25A	12-280VAC	600V	3-32VDC	I _c <13mA	600A ² s	
SO943460	35A	12-280VAC	600V	3-32VDC	I _c <13mA	1250A ² s	
SO945460	50A	12-280VAC	600V	3-32VDC	I _c <13mA	2500A ² s	
SO963460	35A	24-600VAC	1200V	3,5-32VDC	I _c <13mA	1250A ² s	
SO965460	50A	24-600VAC	1200V	3,5-32VDC	I _c <13mA	2500A ² s	
SO967460	75A	24-600VAC	1200V	3,5-32VDC	I _c <13mA	7200A ² s	

SO9 range with simplified input

Product reference	Switching current	Switching voltage	Peak voltage	Control voltage	Control current	I ² t	Dimensions mm
SO942560	25A	12-280VAC	600V	7-30VDC	I _c <30mA	600A ² s	45x58,5x30
SO942860	25A	12-280VAC	600V	15-32VAC/10-30VDC	I _c <33mA	600A ² s	
SO942960	25A	12-280VAC	600V	185-265VAC/DC	I _c <10mA	600A ² s	
SO963560	35A	24-600VAC	1200V	8-30VDC	I _c <30mA	1250A ² s	
SO965560	50A	24-600VAC	1200V	8-30VDC	I _c <30mA	2500A ² s	
SO967560	75A	24-600VAC	1200V	8-30VDC	I _c <30mA	7200A ² s	

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

SOL flatpac® range

low profile (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 to use when room is restricted. Wiring will be facilitated as this relay also allows input or output cables to go any direction.



Product reference	Switching current	Switching voltage	Peak voltage	Control voltage	Control current	I ² t	Specifications	Dimensions mm
SOL745060	50A	12-280VAC	600V	3-32VDC	I _c <13mA	1680A ² s	Random	45x58,5x16,3
SOL942460	25A	12-280VAC	600V	3-32VDC	I _c <13mA	600A ² s	Zero-cross	
SOL942960	25A	12-280VAC	600V	185-265VAC/DC	I _c <10mA	600A ² s	Zero-cross	
SOL965460	50A	24-600VAC	1200V	3,5-32VDC	I _c <13mA	1680A ² s	Zero-cross	

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

SOR range

With removable input connector - Spring terminals :

- Designed for most types of loads.
- Zero cross with low zero-crossing level (<12V)
- Voltage protection on input (transil) and output (VDR) with very high immunity according to IEC/EN61000-4-4 and IEC/EN61000-4-5
- IP20 protection
- Control current <13mA for all the voltage range at any operating temperature
- Control status LED
- Double inputs



Product reference	Switching current	Switching voltage	Peak voltage	Control voltage	Control current	I ² t	Dimensions mm
SOR842074	25A	12-275VAC	600V	3-32VDC	I _c <13mA	600A ² s	45x58,5x30
SOR863070	35A	24-510VAC	1200V	3,5-32VDC	I _c <13mA	1250A ² s	
SOR865070	50A	24-510VAC	1200V	3,5-32VDC	I _c <13mA	2500A ² s	
SOR867070	75A	24-510VAC	1200V	3,5-32VDC	I _c <13mA	7200A ² s	

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