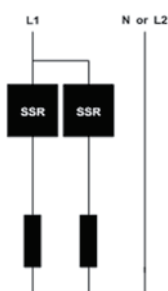


Two-phase Solid State Relays

Our two-phase range provides two solid state relays in a compact standard 45 mm enclosure. They are perfectly adapted to three phase applications with breaking of two phases only.



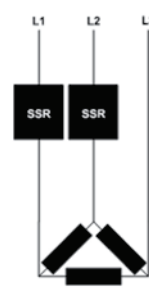
wiring examples



2 load control wiring
Single phase



Two-phase SSR SOB to control heaters
connected in star
(for balanced low voltage loads without
neutral connection)



Two-phase SSR SOB to control heaters
connected in delta
(for high voltage, balanced or
unbalanced loads)

SCB5 / SOB5

→ with "FASTON" terminals

We offer various kinds of two-phase SSRs with Faston terminals.

Product reference	Thyristor rating	Switching voltage	Peak voltage	Control voltage	I ² t	Specifications	Dimensions mm	Fig n°
SCB564310	2x40A	24-510VAC	1200V	5-30VDC	610A²s	zero-cross / 2 controls	44,8 x 58,5 x 27	1
SOB542460	2x25A	12-280VAC	600V	3-32VDC	265A²s	zero-cross / 2 controls	45 x 58,5 x 27	2
SOB562460	2x25A	24-600VAC	1200V	3,5-32VDC	265A²s	zero-cross / 2 controls		2
SOB544330	2x40A	12-275VAC	600V	8-30VDC	882A²s	zero-cross / 2 controls	45 x 58,5 x 27	3
SOB564330	2x40A	24-510VAC	1200V	8-30VDC	882A²s	zero-cross / 2 controls		3

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



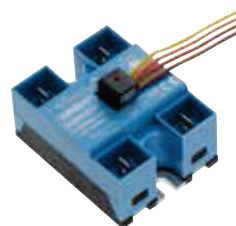
1

- Power connection by FASTON terminals
- Control connection by connector.



2

- Power and control connections by FASTON terminals



3

- Double input with connector CE100F ITWPANCON type or similar.
- Power connection by FASTON 6,3mm terminals with IP20 protection.



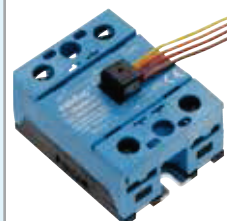
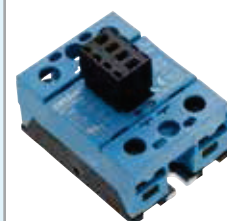
Two-phase Solid State Relays

SOB

Two-phase relays in okpac® IP20 housing.
Removable connector for control allowing many wiring possibilities eg. springs, screw and so on (please consult us).

- SOB6 : zero-cross - double input with connector CE100F ITWPANCON type or similar
- SOB7 : random
- SOB8 : zero-cross - designed for most types of loads
- SOB9 : zero-cross - resistive loads AC-51

Product reference	Thyristor rating	Switching voltage	Peak voltage	Control voltage	I ² t	Specifications	Dimensions mm
SOB665300	2x50A	24-600VAC	1200V	10-30VDC	1680A ² s	2 controls	45 x 58,5 x 27
SOB763670	2x35A	24-510VAC	1200V	8-30VDC	1250A ² s	2 controls	
SOB765670	2x50A	24-510VAC	1200V	8-30VDC	2500A ² s	2 controls	
SOB767670	2x75A	24-510VAC	1200V	8-30VDC	7200A ² s	2 controls	
SOB863860	2x35A	24-600VAC	1200V	17-30VAC/DC	882A ² s	2 controls	
SOB865660	2x50A	24-600VAC	1200V	8-30VDC	2500A ² s	2 controls	
SOB867640	2x75A	24-510VAC	1200V	8-30VDC	7200A ² s	2 controls / transil	
SOB942360	2x25A	24-280VAC	600V	10-30VDC	600A ² s	1 control	
SOB942660	2x25A	24-280VAC	600V	10-30VDC	600A ² s	2 controls	
SOB943360	2x35A	24-280VAC	600V	10-30VDC	1 250A ² s	1 control	
SOB945360	2x50A	24-280VAC	600V	10-30VDC	2 800A ² s	1 control	
SOB963660	2x35A	24-600VAC	1200V	10-30VDC	1250A ² s	2 controls	
SOB965160	2x50A	24-600VAC	1200V	6-16VDC	1 680A ² s	1 control	
SOB965660	2x50A	24-600VAC	1200V	10-30VDC	2500A ² s	2 controls	
SOB967660	2x75A	24-600VAC	1200V	10-30VDC	7200A ² s	2 controls	



On request : 1600V peak version, 75A version, overvoltage protection option available.
For SOB6 range : other rating on request, TVS (Transient Voltage Suppression) protection possible.

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

- Connectors to be ordered separately.

SCB

- SCB6 : zero-cross - control connections with pins
- SCB8 : zero-cross - designed for most types of loads
- SCB9 : zero-cross - resistive loads AC-51

Product reference	Thyristor rating	Switching voltage	Peak voltage	Control voltage	I ² t	Specifications	Dimensions mm
SCB665300	2x50A	24-600VAC	1200V	8-35VDC	1500A ² s	1 control	44,8 x 58,5 x 27
SCB865300	2x50A	24-600VAC	1200V	10-30VDC	1500A ² s	1 control	
SCB865600	2x50A	24-600VAC	1200V	10-30VDC	1500A ² s	2 controls	
SCB941300	2x12A	12-280VAC	600V	8-30VDC	72A ² s	1 control	
SCB942600	2x25A	12-280VAC	600V	8-30VDC	288A ² s	2 controls	
SCB962600	2x25A	24-600VAC	1200V	8-30VDC	265A ² s	2 controls	
SCB965600	2x50A	24-600VAC	1200V	8-30VDC	1500A ² s	2 controls	



Protection cover : see accessories (1K470000).

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