

POWER SSRs WITH DIAGNOSTICS

DIAGNOSTIC RELAY

Our range of diagnosis relay comes in celpac housing (ready to use) with our SILD and okpac® range (to mount on heatsinks) with our SOD and SOI.

These relays inform the user of the load status (resistive load), the output of the relay and the network through an NC (Normally Closed) diagnostic contact. The diagnostic function does not require an external power supply (celduc® patent) The contacts of various relays

can be placed in a series. It is possible to use these relays for a diagnosis in a three-phase system, star wiring without neutral.

Our SOI range includes a current transformer (CT) as well as a contact for signalling and therefore enables the switching of the load current by giving only the information of the presence of the output current which must then be interpreted by the user or the system.

SILD

The SILD range of diagnosis relay is in celpac housing (ready to use).

Product reference	Thyristor rating	Max. switching current at 25°C	Switching voltage	Peak voltage	Switching current	I ² t
SILD845160	50A	32A	70-280VAC	600V	3-32VDC	1 500A²s
SILD865170	50A	32A	150-510VAC	1 200V	3.5-32VDC	1 500A²s
SILD867170	75A	35A	150-510VAC	1 200V	3.5-32VDC	5 000A²s



• Dim. 22.5 x 80 x 116 mm

SOD

Product reference	Thyristor rating	Switching voltage	Peak voltage	Switching current	I ² t
SOD843180	35A	50-265VAC	600V	7-30VDC	1 250A²s
SOD845180	50A	50-265VAC	600V	7-30VDC	2 800A²s
SOD849180	125A	50-265VAC	600V	7-30VDC	22 000A²s
SOD865180	50A	150-510VAC	1 200V	7-30VDC	2 800A²s
SOD867180	75A	150-510VAC	600V	7-30VDC	7 200A²s

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



• Dim. 45 x 58.5 x 33.6 mm

SOI

NEW

OPERATION: By applying or removing a voltage on the control input, the SOI relay switches or interrupts the current in the load. If the value of the load current is greater than the threshold that was preset in the factory, the current transformer included in the SOI will close the contact for signalling. It therefore indicates that a current is flowing into the load and leaves the user or the system to interpret this status.

ADVANTAGES

- Reduction of quantity, cost and time of wiring
- Elimination of the need to pass the power cables through a current transformer
- Elimination of costly analogue inputs on the PLC



Product reference	Thyristor rating	Switching voltage	Peak voltage	Switching current	I ² t
SOI885070	50A	24-625VAC	1 600V	3.5-32VDC	2 800A²s

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