Newsletter March 2018

SOP range - Transformer starting

celduc relais has just launched a new range of peak switching SSR for transformer control

Driving a saturable inductive load often generates high peaks of voltage which may damage semiconductors used in SSRs (which cause premature aging of relays) and in the transformer primary circuit.

A peak starting relay allows the starting current of the transformer to be reduced.

So our new SOP range is designed for the start-up of transformer primary circuits and all satured inductance coil loads preventing magnetising current peaks.

Our SOP69070, featuring a peak control mode, can drive up to 32A transfromers and is a very efficient control solution for small to medium size transformers.

New

References available :

-SOP65070 : 9A-AC56a

-SOP69070 : 32A-AC56a

Application Note : Transformer Control

Using celduc relais SSR instead of contactor can improve considerably the switching operation but the right SSR switching mode should be chosen.

We can assist you in your product selection and a technical note is now available and gives technical information to better understand our advices :

Tips and tricks to make a good control of transformer primary using celduc relais ' solutions - Click here

What's New ?

celduc products will be presented at the following exhibition :

CHINAPLAS 2018
Shanghai - CHINA
April 24th to 27th 2018
Exhibitor : celduc relais
Stand 2S41

IPACK-IMA 2018
Milan - Italy
May 29th to June 1st 2018
Exhibitor : celduc relais

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celduc will be closed week 19 (from May 7th to 11th included)

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La FRENCH FAB

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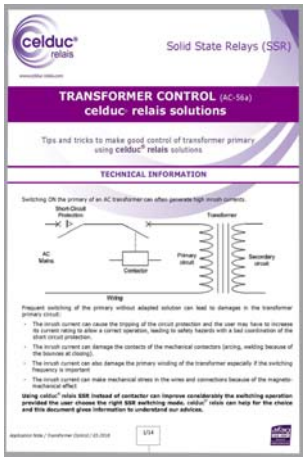

Contents :

- *Technical information*
- *Different cases analysis*
- *Switching with standard solid state relays*
- *Peak switching solid state relays and their advantages*
- *Case study with a 3kVA 230V transformer*
- *Other solution : Softstarters*
- *Other solution : Thyristor Power Controllers and Zero-Cross Transformer cobtrol (ZCT)*

e-catalogue celduc relais

Ultra-Compact SCR
Detects Partial Load Failure

The latest SCR controller is ultra-compact and designed to anticipate partial load failures BEFORE significant downtime.

- Partial load failure alarm is a standard (not optional) feature.
- Enter resistance manually or use the innovative “Teach Option.”
- The “Teach Option” auto-ramps and intelligently saves different resistance values at different set points in your process eliminating guess work.
- The partial load failure alarm doesn’t stop your operation – just warns of a significant load resistance change.

MicroFUSION comes with the following features or benefits:

- Any configuration you’d like: single-phase, three-phase 4-SCR, or three-phase 6-SCR
- Wide range of input voltages: Auto-Ranging Input Voltage (24-600 VAC, 45-65 Hz, CE: 24-690 VAC)
- Selectable Firing Modes Including Phase-Angle, Zero-Cross Transformer Mode & Zero-Cross
- Current Range of 8 amp to 400 amp
- Intuitive set-up and diagnostic software FREE with every controller
- As tight as 1% accuracy true RMS power
- Easily connect multiple units using a wide variety of languages including using an optional fieldbus interface: Ethernet/IP, EtherCat, PROFINET, PROFIBUS, Modbus TCP, Modbus RTU

Click here to view MicroFusion range