



Sensors



Switches



Controls

Application notes



Application Note : July 2021

Market involved : All

Product : RSGT Series

Customer : OEMs and System integrators

Subject : Improved process efficiency and minimized equipment downtime

CUSTOMER ISSUE :

In various industrial processes OEMs are looking for solutions to improve efficiency and minimise equipment downtime.

The first step to implement the above strategy is monitoring critical process data that can help the users to make informed and timely decisions.

Motors are amongst the main energy consumers within any industrial process. So, it is logical to monitor the condition of motors and loads in real-time to identify areas where energy can be saved.

One of the challenges that system integrators and OEMs face today is that soft starters equipped with a communication interface are too advanced for their needs.

This brings two disadvantages: product cost and large dimensions.

OUR SOLUTION :

With the launch of the RSGT it is our intention to position ourselves in a new category whereby we offer a compact soft starter with advanced performance.

The advanced performance comes from the control on all the 3 phases and the availability of a communication interface (Modbus RTU).

The RSGT can exchange different sets of data with a PLC in real-time that can then be monitored by the supervisory equipment for the required process control functions.

The data from the RSGT includes: all the main energy variables, number of starts, fault information, soft starter status and much more. In addition to this, the RSGT also retains data of the last 24 starts performed. Such data can be very useful during maintenance and troubleshooting activities.

BENEFITS :

- Cost-effective solution that enables real-time monitoring
- Advanced functionality without the increased configuration complexity
- Substantial panel space savings compared to existing soft starters
- Minimises troubleshooting time with a historic file of the last 24 starts