



**Sensors**



**Switches**



**Controls**

## Application notes



**Application Note : July 2022**

**Market involved : All**

**Product : RSGD**

**Customer : OEMs**

**Subject : Readiness for IE3 motors**

### CUSTOMER ISSUE :

The new EU eco-design measures for electric motors and variable speed drives enter into force on 1 July 2021, and are aimed at improving the energy efficiency of these products across the EU.

Under this new regulation motors placed on the EU market need to reach IE3 efficiency levels.

IE3 motors, although being more efficient at nominal speed, require almost twice the starting current of IE2 (less efficient) motors.

OEMs that are using motors in their machines will need solutions that reduce this starting current to acceptable levels to avoid the over-sizing of cables and/or protection devices.

### OUR SOLUTION :

The RSGD is a high performing soft starter within a very compact frame.

In addition the RSGD comes with a native Modbus interface (optional on the RSGD 45 mm models) that enables our customers to implement more advanced monitoring of real time conditions.

All of these functionalities are offered in a very user-friendly interface that, also, thanks to the self-learning algorithm, takes away the setup complexity and actually enables continuous adaptation of the soft starter to the load requirements – at every single start!

### BENEFITS :

- Compatible with IE3 motors
- Considerable time saving during initial setup
- Less total system costs – no oversizing of cables and/or protection devices required
- Increased panel space savings with integrated diagnostics and protection functions
- Easy to use – soft starter configuration only requires 3 adjustments
- High performance within a cost effective platform