



Sensors

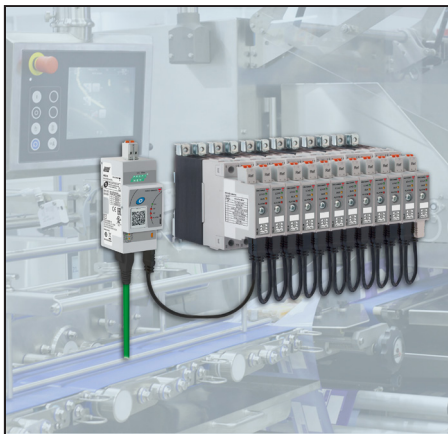


Switches



Controls

Application notes



Application Note : July 2020

Market involved : Packaging and Wrapping

Product : NRG-C-PN, RGC1A60CM25KEN

Customer : OEMs

Subject : Sealing of contact lens packaging

CUSTOMER ISSUE :

Customer needs a solution where switching, monitoring and diagnostics can be achieved via the communication system.

Heaters are switched to control the temperature of welding contacts which seal the contact lens packaging foil to the capsule.

The customer needs to monitor the load resistance in order to predict load failures.

The customer utilises Schneider PLCs in their machines which have the PROFINET protocol integrated.

OUR SOLUTION :

The RGC1A60CM25KEN together with the NRG-C-PN can achieve switching, monitoring and diagnostics via the communication system

The Burst switching mode is used to have full control on the utilised timebase.

Using the load deviation alarm activated via a TEACH command, the OEM can easily monitor the load for any deviations in resistance.

The NRG system is easily integrated in the Schneider PLC with the use of the GSD file.

BENEFITS :

- **Labour-time savings** with switching, monitoring and diagnostics available via the communication network
- **Stock reduction** with an all-in-one solution
- **Easy to integrate and configure** via the PLC engineering tool
- **Prediction of load failures** maximizes machine operability