

The DLR system to combat space debris

Finding a solution together with Delta Elektronika



Equipment used from the portfolio of Schulz-Electronic:

- 6 x SM70-90-p069 (80V/80A)
- 6 x Modification SE5029X S132-15 SM6000 RSD AN FRONT
- 6 x Modification SE5996X S418 Output On Status Signal (TTL)

The Challenge

Our customer, the German Aerospace Center (DLR), does not want to tolerate space debris, and plans to “shoot at it” in future using a new system that consists of six high-performance Dilas diodes. The accustomed high quality of the Delta Elektronika power supplies for the diodes was very important to the DLR. The intention was to base the system on a safety chain that would quickly show which outputs were activated and which were switched off.

The Solution

Schulz-Electronic was able to make an important contribution here: in order to guarantee the safety chain, a key switch was built in which can deactivate the output, and also receives a TTL signal that enables the customer to detect whether the DC output is activated. Together with Delta Elektronika a solution was quickly found, including, among other components, laser modules (85 A / 80 V) and CW lasers (2 kW, 969 nm).



At www.schulz-electronic.de you can find out more about our projects. And of course you're welcome to get in touch with us any time you need a (special) solution – we will always be pleased to listen to your requirements!