

## TR-Electronic supports standardized Database

Safety-related values of components according to VDMA 66413 for TR-Products available.

Planners of safety-related machinery and installations have to calculate the risk of failure and the SIL resp. PL of safety functions according the Standards EN ISO 13849-1 and EN 62061, harmonized by machine directive 2006/42/EG.

Different calculation tools are available on the market to help them with this task. Until now, tool manufacturers required the user to follow their data structures. Component manufacturers themselves provided Data for their Products in different ways – it was up to the planner, to match the different data models to do his calculations.

By initiative of German VDMA (association of German machinery and plant engineering companies), a XML-based Data Format was developed, that can be read by the safety-calculation tools (or will be read in one of their next releases).

TR-Electronic provides from now on safety-related values of components for their Safety-Products in database format according to VDMA 66413 Standard. Values for non-safety products will follow in next future.

With a common and standardized Data Structure, misunderstandings according calculation procedures and meaning of specific characteristics are eliminated. With this step, TR-Electronic is among the first manufacturers of rotary and linear Encoders, that support this Data Structure and provide the characteristics of their products in a Database File available for Download.

German VDMA as well established regular Experience Exchange between the manufacturers of calculation tools, component providers and users.

The Standard „VDMA-Einheitsblatt 66413“ can be obtained via German Beuth-Verlag..

VDMA provides a current List of all companies, that already provide Database Files with safety-related values of components according VDMA 66413:

<http://ea.vdma.org/article/-/articleview/5543661>

Most recent version of safety-related values of components according VDMA 66413 for TR-Products are here:

<http://www.tr-electronic.com/service/downloads/vdma66413>