



innotec

Certificate
(FL161209, 2017-01-06)

By the use of failure statistics the company innotec GmbH has calculated the lifetime for the following products of the company GESTRA AG:

ZK-Valves

The following variants have been taken into account:
ZK29/ ZK210/ ZK213/ ZK313/ ZK610/ ZK613/ ZK19/ ZK39

The MTTF_D-Value amounts to 710 years

The products accord to the requirements of SIL 2 (IEC 61508) or PL-d (ISO 13849) by the use of a single channel architecture.

If 2 products will be used in combination with an appropriate electrical or electronical dual channel architecture the requirements for SIL 3 (IEC 61508) or PL-e (ISO 13849) can be achieved.

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2017-01-09

Stamp, Date and Signature