

Kempen, 27.01.2011

SIL

Declaration by the Manufacturer

Functional Safety according to IEC 61508

We declare, that the devices

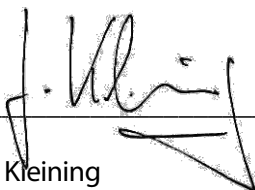
NK, NKS, NKL

are suitable for use in a safety related application, if the safety instructions and the following parameters are observed:

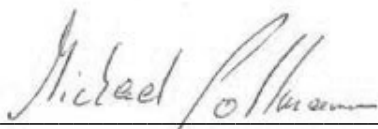
Device Type:	A
Proof Test Interval:	≤ 1 year
HFT:	0 (single channel usage)
λ_{SU}:	231 FIT
λ_{SD}:	26 FIT
λ_{DU}:	195 FIT
λ_{DD}:	62 FIT
SFF:	62,1 %
PFD_{Avg}:	$8,54 \cdot 10^{-4}$ (for $T_{Proof} = 1$ year)
MTBF:	222 years

Safety Integrity Level: SIL 2

The specified values are valid only for the valve. Accessories such as an actuator, solenoid valves, limit switches etc. are not included.



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