

Kempen, 27.01.2011

SIL

Declaration by the Manufacturer

Functional Safety according to IEC 61508

We declare, that the devices

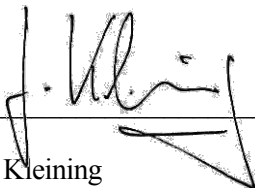
KN, KNR, KNA, KNAR, KNP, KNRP, KNAP, KNARP

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

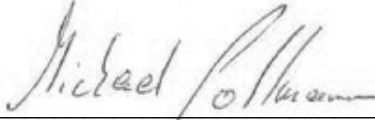
Device Type:	A
Proof Test Interval:	≤ 1 year
HFT:	0 (single channel usage)
λ_{SU} :	129 FIT
λ_{SD} :	14 FIT
λ_{DU} :	108 FIT
λ_{DD} :	36 FIT
SFF:	62,5 %
PFDAvg:	4,73 10⁻⁴ (for T_{Proof} = 1 year)
MTBF:	398 years

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.



Gregor Kleining
Dir. Research & Development



Michael Pohlmann
Quality Manager