



Certificate of compliance Product



Holder FlowVision GmbH, Germany

Compliant Items FC50...DIA, FC50-EX...DIA, FC50-dbEX...DIA
FC50-CA...DIA, FC50-EX-CA...DIA, FC50-dbEX-CA...DIA

Basis of Certification IEC 61508:2010

Certification Includes

- ☒ Management of functional safety
- ☒ Safety requirements specification
- ☒ Hardware
- ☒ Hardware reliability
- ☒ Software
- ☒ Basic safety
- ☒ User documentation

Functional Safety Data

Safety function: See report
Mode: Low demand, high demand
Type: B
HFT: 0
Hardware route: 2_H
Systematic route: 2_S
Systematic capability: SC3
Failure rates (FIT): SD=16.9, SU=0, DD=101.5, DU=65.7
Diagnostic coverage: 60.7%
Fit for use up to: HFT=0: Low demand SIL 2, high demand SIL 1
HFT=1: Low demand SIL 3, high demand SIL 2 and 3

Certification Results Risknowlogy certifies that the above Compliant Item meets the requirements of the Basis of Certification for the selected assessment(s). The Risknowlogy report 5512.613.4 is an integral part of this certificate.

Certificate Number 5512.613.5-1

Initial Certification 2024-10-14

This Certificate 2024-10-14

Expiry Date 2029-10-14

Certifier Dr Michel Houtermans



Risknowlogy GmbH, Zug, Switzerland