



Certificate of compliance Product



Holder Klay Instruments B.V., Netherlands.

Compliant Item Series 2000, Series 2000-SAN, Series 2000-SAN-Cable, Serie CER-2000, Series 2000 Hydrobar-Cable and Series Hydrobar-l

Basis of Certification IEC 61508:2010
IEC 61511:2016

Certification Include(s) Safety requirements specification
 Hardware requirements
 Reliability requirements
 Software requirements
 Basic safety
 User documentation

Functional Safety Data

Safety function: See report
Mode: Low demand
Type: B
HFT: 0
Hardware compliance route: 1_H
Systematic compliance route: 2_s
Failure rates (FIT): SD=0, SU=137.4, DD=2.35, DU=45.4
Safe failure fraction: 75.5%
Diagnostic coverage: 4.9%
Fit for use up to: IEC 61508: HFT=0 SIL 1, HFT=1 SIL 2
IEC 61511: HFT=0 SIL 2, HFT=1 SIL 3

Fit for use up to: STL 5

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 639.496.4 is an integral part of this certificate.

Certificate Number 639.496.5-2

Initial Certification 2013-09-19

This Certificate 2020-10-07

Expiry Date After modification of Compliant Item



Certifier

Digitally signed by
Michel Houtermans
Date: 2020.10.19
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