Certificate of compliance
Subsystem

★★★★★

Holder	Emerson, Buenos Aires, Argentina
Compliant Item(s)	Final Element 3311457-ISV-SL-002
Basis of Certification	IEC 61508:2010
Certification Include(s)	☑ Safety requirements specification ☑ Hardware requirements ☑ Reliability requirements

Functional Safety Data

Safety function:	See report
Functional safety parameters:	See next page
Certification Results	Risknowlogy certifies that the above Compliant Item(s) meets the requirements of the Basis of Certification for the selected assessment(s). The Risknowlogy report 5115.553.7 is an integral part of this certificate.
Certificate Number	5115.553.8-0
Initial Certification	2023-01-27
This Certificate	2023-01-27
Expiry Date	2028-01-27
Certifier	Dr Michel Houtermans

Risknowlogy GmbH, Switzerland

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Subsystem

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Subsystem	Type	SD[1]	SU[1]	DD[1]	DU[1]	SFF	HFT=0[2]
3311457-ISV-SL-002	A	0	1470	0	1940	43%	SIL 1

[1]) Values are in FIT, 1 FIT = 1e-9 failures per hour
[3]) HFT takes into account 2oo2 redundancy of the solenoids

Risknowlogy GmbH, Switzerland