



Certificate of compliance Subsystem



Holder BHDT, Kapfenberg, Austria

Compliant Item(s) 02HV-5101(HPV-5101)
02LV-2101(LPV-2101)
02LV-2102(LVP-2102)
02XV-2102(XVP-2102) - <5s
02XV-2102(XVP-2102) - >20s and <30s
02XV-2104(XVP-2104)
02XV-5101(XVP-5101)

Basis of Certification IEC 61508:2010
IEC 61511:2016

Certification Include(s) ☒ Management of functional safety
☒ Safety requirements specification
☒ Hardware requirements
☒ Reliability requirements
☒ Basic safety
☒ User documentation

Functional Safety Data

Safety function: Upon demand close valve
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 2628.523.21 are an integral part of this certificate.

Certificate Number 2628.523.22-0

Initial Certification 2022-04-05

This Certificate 2022-04-05

Expiry Date 2027-04-05

Certifier Dr. Michel Houtermans





Certificate of compliance Subsystem



Subsystem	Type	SD	SU	DD	DU	SFF	HFT=0	HFT=1
02HV-5101 (HPV-5101)	A	0	491	0	250	66.3%	SIL 2	SIL 2
02LV-2101 (LPV-2101)	A	0	665	0	263	71.7%	SIL 2	SIL 2
02LV-2102 (LVP-2102)	A	0	502	0	245	67.2%	SIL 2	SIL 2
02XV-2102 (XVP-2102) - <5s	A	0	482	0	279	63.3%	SIL 2	SIL 2
02XV-2102 (XVP-2102)- 20-30s	A	0	482	0	413	59.9%	SIL 1	SIL 2
02XV-2104 (XVP-2104)	A	0	390	0	1020	27.7%	SIL 1	SIL 2
02XV-5101 (XVP-5101)	A	0	390	0	1020	27.7%	SIL 1	SIL 2

