



Certificate of compliance Product



Holder Siemens AG

Compliant Item SIPART PS2

Basis of Certification IEC 61508:2010
IEC 61511:2016

Certification Include(s) ☒ Functional safety management
☒ Hardware requirements
☒ Reliability requirements
☒ User documentation

Functional Safety Data

Safety function: See report
Mode: Low demand
Type: A
HFT: 0
Hardware compliance route: 2_H
Systematic compliance route: 2_S
Systematic capability: SC3
Failure rates (FIT): SD=0, SU=1030, DD=2, DU=136 (4-20mA/HART)
SD=0, SU=1043, DD=14, DU=157 (PA/FF)
Safe failure fraction: 88% (4-20mA/HART)
87% (PA/FF)
Diagnostic coverage: 1.5% (4-20mA/HART)
8% (PA/FF)
Fit for use up to: SIL 2
Fit for use up to: STL 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 100.151.1 is an integral part of this certificate.

Certificate Number 100.151.3-0

Initial Certification 2019-09-17

This Certificate 2023-07-03

Expiry Date 2028-07-03



Certifier Dr. Michel Houtermans

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