



# Certificate of compliance Product



**Holder** Siemens AG, Karlsruhe, Germany

**Compliant Item** CALOMAT 6 Series

**Basis of Certification** IEC 61508:2010  
IEC 61511:2016

**Certification Include(s)**

- Functional safety management
- 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: 2<sub>H</sub>  
Systematic compliance route: 2<sub>S</sub>  
Failure rates (FIT): SD=30, SU=83, DD=676, DU=277  
Diagnostic coverage: 70.9%  
Fit for use up to: SIL 2  
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 100.540.6 is an integral part of this certificate.

**Certificate Number** 100.540.7-0

**Initial Certification** 2022-08-05

**This Certificate** 2022-08-05

**Expiry Date** 2027-08-05

**Certifier** Dr Michel Houtermans

