



# Certificate of compliance Product



**Holder** Pyro Electric, Mapusa Goa, India

**Compliant Item** 300 Series TC and RTD

**Basis of Certification** IEC 61508:2010

**Certification Include(s)**

- ☒ Management of functional safety
- ☒ Safety requirements specification
- ☒ Hardware
- ☒ Hardware reliability
- ☒ Basic safety
- ☒ User documentation

## Functional Safety Data

Safety function: See report  
Mode: Low demand  
Type: A  
HFT: 0  
Hardware route: 2<sub>H</sub>  
Systematic route: 2<sub>s</sub>  
Systematic capability: SC3  
Failure rates (FIT): TC: SD=0, SU=10.5, DD=0, DU=286  
RTD: SD=0, SU=64.8, DD=0, DU=10.5  
Fit for use up to: SIL 2 (HFT=0), SIL 3 (HFT=1)  
Fit for use up to: STL 5 (TC), STL 5 (RTD)

**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 5670.638.9 is an integral part of this certificate.

**Certificate Number** 5670.638.12-1

**Initial Certification** 2025-12-22

**This Certificate** 2025-12-22

**Expiry Date** 2030-12-22

**Certifier** Dr Michel Houtermans

