



Certificate of compliance Product



Holder Pyro Electric, Mapusa Goa, India

Compliant Item 500 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_H
Systematic route: 2_s
Systematic capability: SC3
Failure rates (FIT): TC: SD=0, SU=403, DD=0, DU=1010
RTD: SD=0, SU=184, DD=0, DU=403
Fit for use up to: SIL 2 (HFT=0), SIL 3 (HFT=1)
Fit for use up to: STL 5 (TC), STL 6 (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 5670.638.14-1

Initial Certification 2025-12-22

This Certificate 2025-12-22

Expiry Date 2030-12-22

Certifier Dr Michel Houtermans



Risknowlogy GmbH, Zug, Switzerland