



# Certificate of compliance Product



**Holder** Ashcroft Instruments GmbH, Germany

**Compliant Item** BRONZE SERIES PB55, BRONZE SERIES CB55, BRONZE SERIES PB55-Cable, BRONZE SERIES CB55-Cable

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

**Certification Include(s)** ☒ Hardware requirements  
☒ Reliability requirements  
☒ Basic safety  
☒ User documentation

## Functional Safety Data

Safety function: See report  
Mode: Low demand  
Type: A  
HFT: 0  
Hardware compliance route: 2<sub>H</sub>  
Systematic compliance route: 2<sub>S</sub>  
Failure rates (FIT): SD=0, SU=104, DD=0, DU=36.4  
Safe failure fraction: 74%  
Diagnostic coverage: 0%  
Fit for use up to: IEC 61508: HFT=0 SIL 2, HFT=1 SIL 3  
IEC 61511: HFT=0 SIL 2, HFT=1 SIL 3  
Fit for use up to: STL 4

**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 5073.500.11 is an integral part of this certificate.

**Certificate Number** 5073.500.12-0

**Initial Certification** 2020-11-09

**This Certificate** 2020-11-09

**Expiry Date** After modification of Compliant Item



**Certifier**



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