

CERTIFICATE OF COMPLIANCE

Product

Holder: Bloomfoss Pte Ltd, Singapore

Compliant Item: BP Actuator Series, Single and Double Acting

Basis of Certification: IEC 61508:2010

Certification Include(s):

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

Functional Safety Data:

Safety functions: Three safety functions, see report

Mode: Low demand

Type: A

HFT: 0

Hardware compliance route: 1_H

Systematic compliance route: 1_s

Systematic capability: SC3

Failure rates (FIT) Single Acting: Safety function 1: SD=0, SU=315, DD=0, DU=22.5

Failure rates (FIT) Double Acting: Safety function 1: SD=0, SU=698, DD=0, DU=22.5
Safety function 2: SD=0, SU=743, DD=0, DU=67.5

Fit for use in Safety Integrity Level: SIL 3

Fit for use in Spurious Trip Level: STL 5

Certification Results:

Risknowlogy certifies that the above Compliant Item meets the requirements of the Basis of Testing for the selected assessment(s). The Risknowlogy report 2966.361.17 and the safety manual are an integral part of this certificate.

Certificate Number: 2966.361.18

Issue Date: 2018-03-21

Expiry Date: After modification of Compliant Item

Certifier: 
dr.ir. Michel Houtermans

