



# Certificate of compliance Product



**Holder** BD Sensors, Germany

**Compliant Item** LMP 331  
LMP 331 EX

**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): DU = 85 FIT  
Fit for use up to: SIL 2 (HFT=0) SIL 3 (HFT=1)

**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 49.532.6 is an integral part of this certificate.

**Certificate Number** 49.532.17-0

**Initial Certification** 2007-02-15

**This Certificate** 2022-08-18

**Expiry Date** 2027-08-18

**Certifier** Dr. Michel Houtermans

