FUNCTIONAL SAFETY DATA SHEET

Manufacturer
BD SENSORS s.r.o.
Hradistka 817
Buchlovice 687 08
Czech Republic

Products
XMP i, XMD, x|act i,

According to the standard
IEC 61508:2010 as the system related to the safety integrity level SIL 2

Inspection Certificate
TÜV SÜD Czech file No.: 11.412.422 rev.1

Inspection Report
TÜV SÜD Czech file No.: 11.359.989 rev.1

Functional safety data

Type of device
A

Hardware Fault Tolerance
N = 0

Safe Failure Fraction
99 %

Diagnostic Coverage
99 %

Dangerous Failure Rate
1,52E-6 h⁻¹

Dangerous Detected Failure Rate
1,51E-6 h⁻¹

Dangerous Undetected Failure Rate
1,18E-8 h⁻¹

Mean Time between Failure
6,25E5 h

Mean Time to Repair (estimated)
8 h

Mean Time to Restore (every 2 years)
8760 h

PFH
1,18 E-8

PFD
1,03E-4

Fit for use in Safety Integrity Level
2

24. 5. 2018

Date

Ing. Martin Šimoník