



FUNCTIONAL SAFETY DATA SHEET

Manufacturer

BD SENSORS s.r.o.
Hradistska 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	$1,52E-6 \text{ h}^{-1}$
Dangerous Detected Failure Rate	$1,51E-6 \text{ h}^{-1}$
Dangerous Undetected Failure Rate	$1,18E-8 \text{ h}^{-1}$
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

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Date


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Ing. Martin Šimoník