



Safety and Reliability Information

Acceleration sensor series AS-02x

Safety and reliability related values according to DIN EN ISO 13849-1

Safety and reliability related values MTTF, PL and Category according to DIN EN ISO 13849-1 have been evaluated for the acceleration sensor series AS-02x (AS-020 and AS-022).

The following table summarizes the results of the evaluation:

Parameter	Value	
	at 30 °C	at 100 °C
MTTF	1.343 E+07 h ~ 1533 years	1.121 E+06 h ~ 128 years
PL	C	
Category	1	

Abbreviation:

- MTTF Mean Time To Failure
- PL Performance Level
From PL "a" (highest failure probability) to PL "e" (lowest failure probability)
- Category Category (CAT)
Classification of the safety related parts of a control system in relation to their resistance to faults and their subsequent behaviour in the event of a fault, which is achieved by the structural arrangement of the parts, fault detection and/or by their reliability

Note:

More detailed information about safety and reliability values can be provided on request from Brüel & Kjær Vibro (info@bkvibro.com).