



Data Sheet

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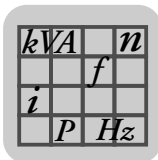
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Functional Safety Characteristic Safety Values of MOVIAxis[®] MXA82A



1 Data Sheet



INFORMATION

This data sheet does not replace the following applicable publications¹⁾:

- "MOVIAXIS® MX Multi-Axis Servo Inverter" operating instructions
- "MOVIAXIS® Multi-Axis Servo Inverter Functional Safety" manual

1) We reserve the right to make technical changes.

1.1 Characteristic safety values of MOVIAXIS® MXA82A

Characteristic safety values	
Safety class / standard	<ul style="list-style-type: none"> • SIL 3 according to IEC 61800-5-2 • Category 4 according to EN 954-1 • Performance level e according to EN ISO 13849-1
Probability of dangerous failure per hour (PFH value)	$< 8.6 \times 10^{-10}$ 1/h
Service life or proof test interval according to EN 61508	20 years or 500000 switching cycles after which the component must be replaced with a new one.
Safe condition	Safe torque off (STO)
Safety function	STO, SS1 ¹⁾ according to IEC 61800-5-2

1) with suitable external control