



# Data Sheet

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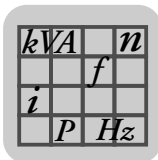
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## Functional Safety Characteristic Safety Values of MOVIAxis<sup>®</sup> MXA81A



## 1 Data Sheet



### INFORMATION

This data sheet does not replace the following applicable publications<sup>1)</sup>:

- "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® MXA81A

Characteristic safety values	
Safety class / standard	<ul style="list-style-type: none"> <li>• Category 3 according to EN 954-1</li> <li>• Performance level d according to EN ISO 13849-1</li> </ul>
Probability of dangerous failure per hour (PFH value)	$1.7 \times 10^{-9}$ 1/h
Service life	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 <sup>1)</sup> according to IEC 61800-5-2

1) with suitable external control