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## Data Sheet



Functional Safety

**Characteristic Safety Values of MOVISAFE® DCS32B**

## 1 Data sheet

### INFORMATION



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

- "MOVIDRIVE<sup>®</sup> MDX60B/61B" operating instructions
- "MOVIDRIVE<sup>®</sup> MDX61B Safety Module Option MOVISAFE<sup>®</sup> DCS21B/22B/31B/32B" manual

1) We reserve the right to make technical changes.

### 1.1 Characteristic safety values for MOVISAFE<sup>®</sup> DCS32B

	Characteristic values according to	
	EN 62061/IEC 61508	EN ISO 13849-1
Safety class/underlying standards	SIL 3 according to IEC 61508	PL e
System structure	1oo2D	2 channels (corresponds to category 4)
Type of operating mode	"High demand" according to IEC 61508	
Probability of dangerous failure per hour (PFHd value)	2.24 × 10 <sup>-9</sup> 1/h	
Mission time/service life	20 years	
Proof test interval	20 years	–
Safe condition	Value "0" for all safety-related F-DO process values (output disabled)	
Safety function	<ul style="list-style-type: none"> <li>• STO, SS1, SS2, SOS, SLA, SLS, SSR, SDI, SSM according to IEC 61800-5-2</li> <li>• Safe digital inputs/outputs</li> <li>• Safe logic processing</li> </ul>	