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Data Sheet



Functional Safety

Safety Characteristic Values DFS21B Fieldbus Interface

PROFINET IO with PROFIsafe

1 Data sheet**INFORMATION**

This data sheet does not replace the following applicable publications:

- "MOVIDRIVE® MDX60B/61B" operating instructions
- "MOVITRAC® B" operating instructions
- "PROFINET IO with PROFIsafe DFS21B Fieldbus Interface" manual

1.1 Safety characteristic values DFS21B fieldbus interface

	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-channel with diagnostics
Operating mode selection	"High demand" according to IEC 61508	
Probability of dangerous failure per hour (PFHd value)	$< 1 \times 10^{-9}$ 1/h	
Mission time/service life	10 years, after which the component must be replaced with a new one.	
Repair time (MTTR)	100 hours	
Safe condition	Value "0" for all safety-related F-DO process values (output disabled)	
Safety function	• Safe digital outputs • PROFIsafe communication	