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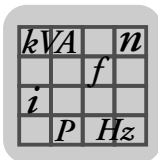
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Data Sheet



Functional Safety Characteristic Safety Values of DFS11B PROFIBUS DP-V1 Fieldbus Interface with PROFI-safe



1 Data Sheet



INFORMATION

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

- "MOVIDRIVE® MDX60B/61B" operating instructions
- "MOVITRAC® B" operating instructions
- "DFS11B PROFIBUS DP-V1 Fieldbus Interface with PROFIsafe" manual

1) We reserve the right to make technical changes.

1.1 Characteristic safety values of the DFS11B fieldbus interface

Characteristic safety values	
Safety class / standard	• SIL 3 according to IEC 61508 • SIL 3 according to IEC 62061 • Category 4 according to EN 954-1 • Performance level e according to EN ISO 13849-1
System structure	2 channels with diagnostics (1oo2D)
Type of operating mode	"High demand" according to IEC 61508 (high demand rate)
Probability of dangerous failure per hour (PFH value)	$< 1 \times 10^{-9}$ 1/h
Service life or proof test interval according to EN 61508	20 years, after which the component must be replaced with a new one.
Repair time	100 hours
Safe condition	Value "0" for all safety-oriented F-DO process values (output disabled)
Safety function	• Safe digital outputs • PROFIsafe communication