

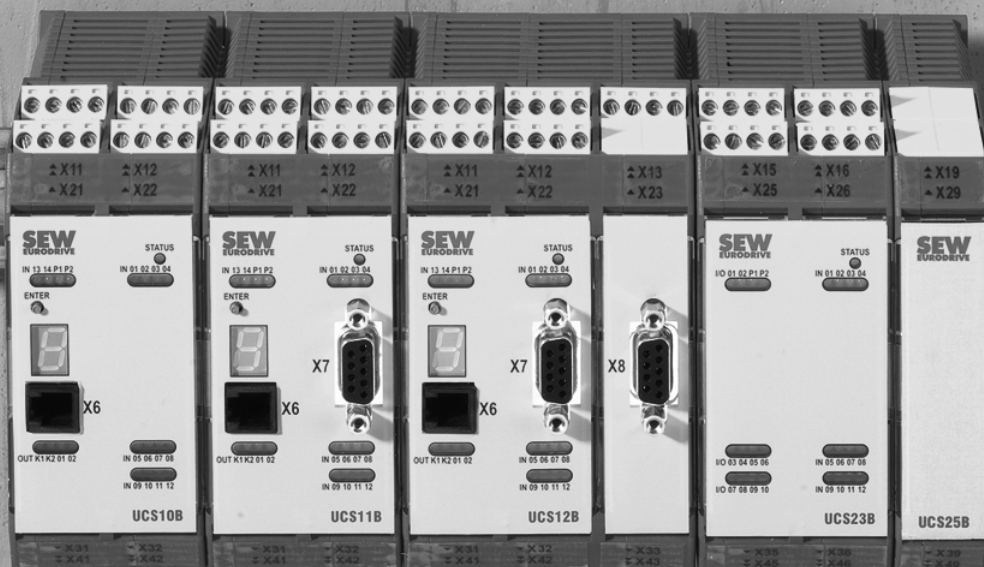


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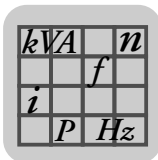
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Data Sheet



Functional Safety

Characteristic Safety Values of MOVISAFE® UCS23B



1 Data Sheet



INFORMATION

This data sheet does not replace the following applicable publication¹⁾:

- "MOVISAFE® UCS..B Safety Modules" operating instructions

1) We reserve the right to make technical changes.

1.1 Characteristic safety values of MOVISAFE® UCS23B

Characteristic safety values	
Safety class / standard	• SIL 3 according to IEC 61508 • 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)	$< 1.4 \times 10^{-8}$ 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.
Safe condition	Value "0" for all safety-oriented F-DO process values (output disabled)
Safety function	Safe digital inputs/outputs