

Control units

Single-axis BASIC SERCOS



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With SERCOS 2 can you benefit from all the advantages of digital intelligent drive technology. One distinguishing feature of SERCOS 2 is its extremely short cycle time with which all target and actual values are transferred between the control system and control units. In conjunction with the exact synchronization of all drives, SERCOS 2 guarantees maximum dynamics and precision. Signal transfer via fiber optics guarantees secure data exchange with minimal wiring.

The correct interface for connecting the IndraDyn motors or other standardized encoders, such as Hiperface

®

, is already integrated. With the IndraWorks engineering framework, one convenient start-up option is via the SERCOS service channel and the other is via the RS232 interface.

Technical data

IndraDrive control units		
Master communication		
sercos II		●
Configurations		
Option 1	Encoder interface	●
Safety option		●
Encoder interfaces		
IndraDyn motors MSK, MKE, MAD and MAF, Hiperface®, 1 Vpp and 5 V TTL		●
Safety options compliant with EN 13849-1 und EN 62061		
Safe Torque Off (Cat. 3 PL e/SIL 3)		○
Control panel		
Standard		●
Cycle times		
Current control	[μ s]	125
Velocity control	[μ s]	250
Position control	[μ s]	500
PWM frequency		
4 kHz		●
Inputs/outputs		
Digital inputs		5
Digital inputs utilizable for touch probes		1
Digital inputs/outputs (any adjustments)		3

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Relay outputs		1
Interfaces		
RS232		●
Control voltage data		
Control voltage		24 V DC
Power consumption without options	[W]	7.5

- Basic configuration
- Optional

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The data specified above only serve to describe the product. As our products are constantly being further developed, no statements concerning a certain condition or suitability for a certain application can be derived from our information. The information given does not release the user from the obligation of own judgment and verification.

It must be remembered that our products are subject to a natural process of wear and aging.