

Control units

Single-axis BASIC SERCOS



Control units

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With the SERCOS 2 can you benefit from all the advantages of digital intelligent drive technology. One distinguishing feature of SERCOS 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, the SERCOS 2 guarantees maximum dynamics and precision. Signal transfer via fiber optics guarantees the secure exchange of real-time data with minimal wiring. The correct interface for connecting the IndraDyn motors or other standardized encoders, such as Hiperface®, is already integrated. With the engineering framework, IndraWorks, 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 2		●
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)		
Operation 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 (user-defined settings)		3

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

- Basic configuration
- Option

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