

Control units

# Single-axis BASIC ANALOG



Control units

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This control component allows you to enjoy the many benefits of digital drive technology on controls with the conventional  $\pm 10$  V analog interface. In addition, it gives you the added option of expanding your control equipment at any time to include other communication interfaces by exchanging the control component while retaining the control cabinet setup.

The default speed is set via the analog input. Signals, such as “Control enable” or “Drive stop”, are exchanged by the control system and control unit via digital inputs and outputs. The encoder emulation inside the drive systematizes the actual positions for the control system. There is a choice between the straight-forward incremental encoder signal or SSI format.

The correct interface for connecting the IndraDyn motors or other standardized encoders, such as Hiperface®, is already integrated.

**Technical data**

IndraDrive control units		
<b>Master communication</b>		
Analog interface		●
<b>Configurations</b>		
Option 1	Geberschnittstelle	●
Safety option		●
<b>Encoder interfaces</b>		
IndraDyn motors MSK, MKE, MAD and MAF, Hiperface®, 1 Vpp and 5 V TTL		●
<b>Safety options compliant with EN 13849-1 und EN 62061</b>		
Safe Torque Off (Cat. 3 PL e/SIL 3)		○
<b>Expansions</b>		
Encoder emulation		●
<b>Operation panel</b>		
Standard		●
<b>Cycle times</b>		
Current control	[ $\mu$ s]	125
Velocity control	[ $\mu$ s]	250
Position control	[ $\mu$ s]	500
<b>PWM frequency</b>		
4 kHz		●
<b>Inputs/outputs</b>		

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Digital inputs		5
Digital inputs/outputs (user-defined settings)		4
Analog inputs		2
Relay outputs		1
<b>Interfaces</b>		
RS232		●
<b>Control voltage data</b>		
Control Voltage		24 VDC
Power consumption without options	[W]	8

- Basic configuration
- Option

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The data specified above only serve to describe the product.

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