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 ±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 prepares the actual positions for the control system. There is a choice between the straight-forward incremental encoder signal and the 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		
Master communication		
Analog interface		●
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)		○
Extensions		
Encoder emulation		●
Control panel		
Standard		●
Cycle times		
Current control	[µs]	125
Velocity control	[µs]	250
Position control	[µs]	500
PWM frequency		
4 kHz		●
Inputs/outputs		

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Digital inputs		5
Digital inputs/outputs (any adjustments)		4
Analog inputs		2
Relay outputs		1
Interfaces		
RS232		●
Control voltage data		
Control voltage		24 V DC
Power consumption without options	[W]	8

● 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.