

Control units

Single-axis BASIC UNIVERSAL



Control units

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Regardless of your preferred type of control communication, BASIC UNIVERSAL offers you a wide range of industry-standard interfaces. As a result, this control unit is well suited for a variety of applications – including those in your industry. The correct interface for connecting the IndraDyn motors or other standardized encoders, such as Hiperface®, is already integrated. In addition, this control unit has an empty slot for the connection of another encoder, connection of the analog I/O extension or for the emission of emulated encoder signals.

An additional plug-in MultiMediaCard gives you the option of simple transmission or duplication of your drive parameters. This card can also be used to expand the memory for the motion logic integrated in the drive (firmware option). For an easy start-up use a PC with the Rexroth IndraWorks engineering framework.

Technical data

IndraDrive control units		
Master communication		
Parallel interface		<input type="radio"/>
PROFIBUS		<input type="radio"/>
SERCOS2		<input type="radio"/>
SERCOS III		<input type="radio"/>
Multi-Ethernet		<input type="radio"/>
CANopen		<input type="radio"/>
DeviceNet		<input type="radio"/>
Configurations		
Option 1	Geberschnittstelle	<input checked="" type="radio"/>
Option 2	Zusatzschnittstelle 1	<input checked="" type="radio"/>
Safety option		<input checked="" type="radio"/>
Slot for MultiMediaCard		<input checked="" type="radio"/>
Encoder interfaces		
IndraDyn motors MSK, MKE, MAD and MAF, Hiperface®, 1 Vpp and 5 V TTL		<input checked="" type="radio"/>
MHD and MKD motors		<input type="radio"/>
EnDat 2.1, 1 Vpp and 5 V TTL		<input type="radio"/>
Safety options compliant with EN 13849-1 und EN 62061		
Safe Torque Off (Cat. 3 PL e/SIL 3)		<input type="radio"/>
Expansions		
Encoder emulation		<input type="radio"/>

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Analog in-/outputs (extension)		○
Software module		
MultiMediaCard		○
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
Analog inputs		1
Analog outputs		2
Relay outputs		1
Interfaces		
RS232		●
Control voltage data		
Control Voltage		24 VDC
Power consumption without options	[W]	6.5

- Basic configuration
- Option

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The data specified above only serve to describe the product.

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