

Control units

# Single-axis BASIC UNIVERSAL



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Regardless of your preferred type of control communication, BASIC UNIVERSAL offers you a wide range of internationally 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 output of emulated encoder signals.

An additional plug-in MultiMediaCard gives you the option of simple transmission or duplication of your axis-related 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		
<b>Master communication</b>		
Parallel interface		<input type="radio"/>
PROFIBUS		<input type="radio"/>
sercos II		<input type="radio"/>
sercos III		<input type="radio"/>
Multi-Ethernet		<input type="radio"/>
CANopen		<input type="radio"/>
DeviceNet		<input type="radio"/>
<b>Configurations</b>		
Option 1	Encoder interface	<input checked="" type="radio"/>
Option 2	Additional Interface 1	<input checked="" type="radio"/>
Safety option		<input checked="" type="radio"/>
Slot for MultiMediaCard		<input checked="" type="radio"/>
<b>Encoder interfaces</b>		
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"/>
<b>Safety options compliant with EN 13849-1 und EN 62061</b>		
Safe Torque Off (Cat. 3 PL e/SIL 3)		<input type="radio"/>
<b>Extensions</b>		

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Encoder emulation		○
Analog in-/outputs (extension)		○
<b>Software module</b>		
MultiMediaCard		○
<b>Control 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>		
Digital inputs		5
Digital inputs utilizable for touch probes		1
Digital inputs/outputs (any adjustments)		3
Analog inputs		1
Analog outputs		2
Relay outputs		1
<b>Interfaces</b>		
RS232		●
<b>Control voltage data</b>		
Control voltage		24 V DC
Power consumption without options	[W]	6.5

- Basic configuration
- Optional

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