

Control units

Single-axis ADVANCED



Control units

Single-axis ■ ADVANCED

ADVANCED control units meet the highest demands in performance and dynamics. In addition to top performance, they support a wide and diverse range of control communication and encoder interfaces. Digital and analog inputs and outputs are already permanently integrated for communication with higher level control systems. These can also be expanded by digital or analog I/O extensions or by encoder emulation outputs. This high-performance control unit can be optionally equipped with safety technology certified as conforming to EN 13849-1 Cat. 3 PL d and EN 62061 SIL 2. The ADVANCED control unit is the ideal platform for the drive-integrated PLC, IndraMotion MLD. All that is required to start up the drive is a PC and the engineering framework IndraWorks from Rexroth.

Technical data

IndraDrive control units		
Master communication		
Analog interface		
Parallel interface		
PROFIBUS		
SERCOS 2		
SERCOS III		
Multi-Ethernet		
CANopen		
DeviceNet		
Configurations		
Option 1	Encoder interface	●
Option 2	Additional Interface 1	●
Option 3	Additional Interface 2	●
Safety option		●
Slot for MultiMediaCard		●
Encoder interfaces		
IndraDyn motors MSK, MKE, MAD and MAF, Hiperface®, 1 Vpp and 5 V TTL		
MHD and MKD motors		
EnDat 2.1, 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)		
Safe Motion (Cat. 3 PL d/SIL 2)		

Control units

Single-axis ■ ADVANCED

Expansions		
Encoder emulation		
Analog in-/outputs (extension)		
Digital in-/outputs (extension)		
Digital in-/outputs with SSI interface (extensions)		
Cross-Communication		
Software module		
MultiMediaCard		
Operation panel		
Standard		●
Cycle times		
Current control	[μ s]	62.5
Velocity control	[μ s]	125
Position control	[μ s]	250
PWM frequency		
4 kHz		●
8 kHz		●
12 kHz		●
16 kHz		●
Inputs/outputs		
Digital inputs		7
Digital inputs utilizable for touch probes		2
Digital inputs/outputs (user-defined settings)		4
Analog inputs		1
Analog outputs		2
Relay outputs		1
Interfaces		
RS232		●
Control voltage data		
Control Voltage		24 VDC
Power consumption without options	[W]	6

- Basic configuration
- Option

Representante oficial de:

Rexroth
Bosch Group

[Argentina]



Calle 49 N° 5764 - Villa Ballester (B1653AOX) - Prov. de Buenos Aires - ARGENTINA
Tel: (+54 11) 4768-4242 / Fax: (+54 11) 4849-1212
Mail: ventas@nakase.com.ar / Web: www.nakase.com.ar

