

Rexroth IndraDrive Cs



Servo drives
Compact drives
IndraDrive Cs



Highly versatile, extremely compact drives

- Power range 100 W to 9 kW
- Multi-protocol-enabled, Ethernet-based communication
- Innovative multi-encoder interface
- Optional integrated safety technology

CYRUS

With the newly developed multi-protocol-enabled communication hardware, IndraDrive Cs fulfills the increased demands for openness and consistency.

SERCOS III, PROFINET IO, EtherNet/IP and EtherCat are available. These Ethernet-based interfaces are connected via a universal communication hardware, which can be configured easily using software. Alternatively, IndraDrive Cs can also be equipped with a conventional communication interface such as PROFIBUS. With this solution, Rexroth is offering users a high level of flexibility in communication with minimal engineering effort.

In conjunction with the new multi-encoder interface for evaluating all common encoder types and an additional optional slot, very special drive tasks can also be carried out safely. IEC-compliant motion logic and industry-specific technology modules make IndraDrive Cs the perfect choice for a wide range of uses.

Technical data

		HCS01.1E- W0003-A-02	HCS01.1E- W0006-A-02	HCS01.1E- W0009-A-02	HCS01.1E- W0013-A-02	HCS01.1E- W0018-A-02
Performance data						
Continuous current	[A]	1,4	2,4	3	4,4	7
Maximum current	[A]	3,3	6	9	13	18
Mains voltage	1 AC	1 x AC 110...230 V ¹⁾				
	3 AC	3 x AC 110...230 V				
Tolerance	[%]	± 10 %				
Frequency		50...60 Hz				
Frequency tolerance	[Hz]	± 2 Hz				
Mains input ontinuous current	[A]	0,6	1,2	2,3	4,5	9,6
Dependency of output on mains voltage	ULN < 400 V	1% power reduction per 4 V				
	ULN > 400 V	No power increase				
Intermediate circuit						
Continuous output without throttle	[kW]	0,15	0,25	0,46	0,8	1,8
Max. output without throttle	[kW]	0,45	0,75	1,38	2,4	4,8
Switching frequency/ max. output frequency	4 kHz	0...400 Hz				
	8 kHz	0...800 Hz				
	12 kHz	0...1200 Hz				
	16 kHz	0...1600 Hz				
Output voltage	[V]	3 x AC 0...230 V				
Intermediate circuit capacity	[mF]	0,44		0,78		1,2
Intermediate circuit voltage	[V] DC	Mains connection voltage x 1.41				
Brake chopper/resistor						
Braking energy consumption	[kW _s]	0,4				3
Continuous braking output	[kW]	0,02		0,03		0,15
Maximum braking output	[kW]	1,68			25,8	2,24
Control voltage						
Control voltage	External	24V ± 5 %				

Technical data

		HCS01.1E- W0003-A-02	HCS01.1E- W0006-A-02	HCS01.1E- W0009-A-02	HCS01.1E- W0013-A-02	HCS01.1E- W0018-A-02
Power consumption without control section and motor brake	[W]	27		28		34
Protection						
Protection category - overall		IP20				
Degree of pollution		2				
Cooling type		Not ventilated			Air cooling	
Weight						
Mass	[kg]	0,72	0,72	0,72	0,72	1,7

		HCS01.1E- W0005-A-03	HCS01.1E- W0008-A-03	HCS01.1E- W0018-A-03	HCS01.1E- W0028-A-03	HCS01.1E- W0054-A-03
Performance data						
Continuous current	[A]	2	2,7	7,6	11,52	21
Maximum current	[A]	5	8	18	28	54
Mains voltage	3 AC	3 x AC 200...500 V				
Tolerance	[%]	± 10 %				
Frequency		50...60 Hz				
Frequency tolerance	[Hz]	± 2 Hz				
Mains input continuous current	[A]	1,5	2,5	5	10	28
Dependency of output on mains voltage	ULN < 400 V	1% power reduction per 4 V				
	ULN > 400 V	No power increase				
Intermediate circuit						
Continuous output with throttle	[kW]	-			4	14
Max. output with throttle	[kW]	-			9,7	19
Continuous output without throttle	[kW]	0,46	0,86	1,7	2,6	9
Max. output without throttle	[kW]	1,38	2,58	5,1	6,2	14
Switching frequency/ max. output frequency	4 kHz	0...400 Hz				
	8 kHz	0...800 Hz				
	12 kHz	0...1200 Hz				
	16 kHz	0...1600 Hz				
Output voltage	[V]	3 x AC 0...230 V				

Technical data

		HCS01.1E- W0005-A-03	HCS01.1E- W0008-A-03	HCS01.1E- W0018-A-03	HCS01.1E- W0028-A-03	HCS01.1E- W0054-A-03
Intermediate circuit capacity	[mF]	0,11		0,39		0,78
Intermediate circuit voltage	[V] DC	Mains connection voltage x 1.41				
Brake chopper/resistor						
Braking energy consumption	[kWs]	0,8		2,25	3	13
Continuous braking output	[kW]	0,02	0,03	0,05	0,15	0,5
Maximum braking output	[kW]	0,4		7,2	10,6	25,8
Control voltage						
Control voltage	External	24V ± 5 %				
Power consumption without control section and motor brake	[W]	27	28	34		45
Protection						
Protection category - overall		IP20				
Degree of pollution		2				
Cooling type		Air cooling				
Weight						
Mass	[kg]	0,72	0,72	1,7	1,7	4,22

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