



The maxi-talent
with the mini-footprint



KeDrive D2
The compact drive with
Ethernet-based communications

With the new, compact D2 product series, KEBA has supplemented its KeDrive family in the 100 W to 3.5 kW lower power segment and thus meets stringent demands with regard to openness and continuity.

In addition to space-saving design and outstanding performance data, the KeDrive D2 disposes over standard, real-time Ethernet communication interfaces.

In connection with the multi-encoder interface and optional extensions, these interfaces offer the realization of all drive solutions.

Communicative hardware for every application

The new communications interface with multi-protocol capacity, permits the universal operation of the KeDrive D2 with standard SERCOS III and EtherCAT real-time Ethernet protocols without any hardware changes. Linkage of this interface takes place via universal communications hardware, which is easily configured by means of software.

High compatibility for maximum freedom

The KeDrive D2 supports the most widely used types of encoder by means of its multi-encoder interface. As a result, machine manufacturers can select from the complete range of sensor and motor systems.

Safety on board for reduced expense

Safety functions in line with Category 3 of the EN 13849-1 standard are integrated into the drives.* This means that complicated accreditation is not needed and development periods are shorter. The integration of safety functions into the drive ensures minimum response times, making machines both faster and safer. The on-board safety functions render external monitoring components and their installation superfluous, which cuts both installation expenditure and costs.

* available 2011

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Universal, intelligent, communicative and economic

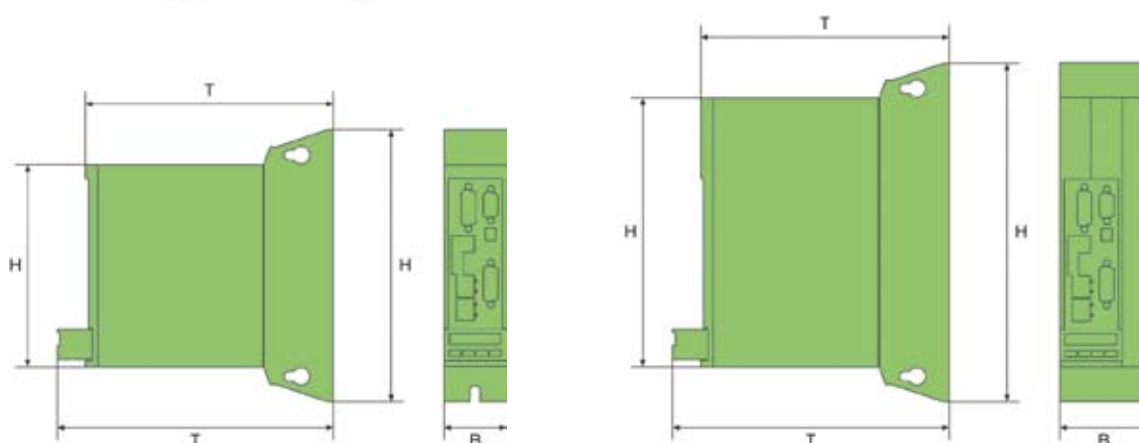


Technical features

- 2 series for direct connection to 110-230 VAC or 200-500 VAC line
- Suitable for motors with continuous outputs of 100 W to 3.5 kW
- Complete range of scalable drives
- Compatible with the KeDrive family
- Digital I/Os und analog input
- Intelligent operating panel with parameterizing function
- Integrated safety technology
- Support for the real-time Ethernet protocols SERCOS III and EtherCAT

Supported encoder types

- EnDat 2.1 absolute encoders
- Hiperface® absolute encoders
- Absolute encoders from MSM Motors
- 1 Vss incremental signals
- 5 V TTL incremental signals
- Resolver



Converter	Size 1						Size 2	
	HCS01.1E-W0003	HCS01.1E-W0006	HCS01.1E-W0009	HCS01.1E-W0013	HCS01.1E-W0005	HCS01.1E-W0008	HCS01.1E-W0018	HCS01.1E-W0028

Performance data									
Mains voltage	V	3 AC 110 ... 230 V				3 AC 200 ... 500 V ¹⁾			
Continuous current	A _{eff}	1,4 ¹⁾	2,3 ¹⁾	3 ¹⁾	4,4 ¹⁾	2	2,7	7,6	11,5
Maximum current	A _{eff}	3,3	6	9	13	5	8	18	28
Continuous mechanical output	W	100	200	400	750	400	750	1.500	3.500 ²⁾
Mechanical data									
Width W	mm	50						70	
Height H ²⁾	mm	160/215						213/268	
Depth D ³⁾	mm	196/220							
Mass	kg	1,1						1,6	

¹⁾ Single-phase operation with derating ²⁾ operation with mains choke

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