

COMBIVERT



GB Additional Manual

Special Design **COMBIVERT H6**
Housing size C

Mat.No.	Rev.
00H6NEZ-C000	1B





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1. Safety

1.1 About this instruction manual

Prior to performing any work on the unit the user must familiarize himself with the unit. This includes especially the knowledge and observance of the **safety and warning directions**. The pictographs used in this instruction manual have following meaning:



Danger Refers to danger of life by electric current.



Warning Refers to possible danger of injury or life.



Note Refers to tips and additional information.

1.2 Validity

The information contained in the technical documentation, as well as any user-specific advice in spoken and written and through tests, are made to best of our knowledge and information about the application. However, they are considered for information only without responsibility. This also applies to any violation of industrial property rights of a third-party.

Inspection of our units in view of their suitability for the intended use must be done generally by the user. Inspections are particularly necessary, if changes are executed, which serve for the further development or adaptation of our products to the applications (hardware, software or download lists). Inspections must be repeated completely, even if only parts of hardware, software or download lists are modified.



Controlling by the user

Application and use of our units in the target products is outside of our control and therefore exclusively in the area of responsibility of the user.



Use under special conditions

The used semiconductors and components of KEB are developed and dimensioned for the use in industrial products. If the KEB COM-BIVERT is used in machines, which work under exceptional conditions or if essential functions, life-supporting measures or an extraordinary safety step must be fulfilled, the necessary reliability and security must be ensured by the machine builder.

1.3 Qualification

All work from the transport, to installation and start-up as well as maintenance may only be done by qualified personnel (IEC 364 and/or CENELEC HD 384 and IEC-Report 664 and note national safety regulations). According to this manual qualified staff means those who are able to recognise and judge the possible dangers based on their technical training and experience and those with knowledge of the relevant standards and who are familiar with the field of power transmission (VDE 0100, VDE 0160 (EN 50178), VDE 0113 (EN 60204) as well as the appropriate regulations for your area).



Danger by high voltage

KEB electronics components contain dangerous voltages which can cause death or serious injury. In operation, drive converters, depending on their degree of protection, may have live, uninsulated, and possibly also moving and hot surfaces.

In case of inadmissible removal of the required covers, of improper use, wrong installation or maloperation, there is the danger of serious personal injury and damage to property.

1.4 Specified application

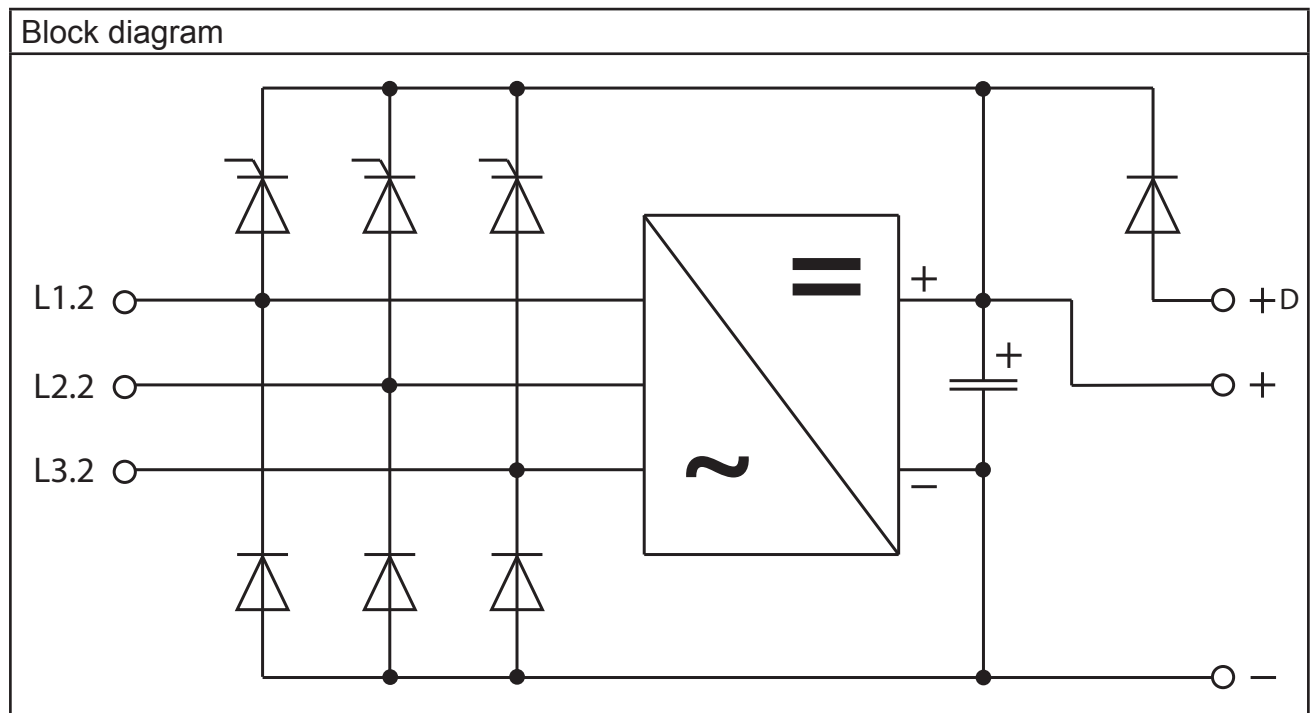
This manual describes a special design of the H6 housing size C. The units comply with the following identification:

19H6CAC-2100


This manual is only valid in connection with the enclosed power unit manual.

1.5 Product description

This manual describes the COMBIVERT H6 units with changed input terminals. The DC link-plus is designed as DC voltage input via decoupling diode. The terminal is marked with „+D“. The + and - terminals are directly connected to the DC link and can be used as an input or output.



2. Description of terminal block

Housing C				
	Terminal	Function	Cross-section	Tightening torque
X1A	L12, L22, L32	Connection of the mains supply by mains choke	10-25 mm ² AWG 8-2	4 Nm 36 lb inch
X1B	+	Connection + DC link	0.5-16 mm ² AWG 20-4	2 18 lb inch
	-	Connection - DC link		
	+D	Connection to decoupling diode (anode)		
	PE, ⊕	Connection for protective earth	Screw M4 for ring thimble	1.3 Nm 11 lb inch
			Screw M5 for ring thimble	2.7 Nm 24 lb inch



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