USING THE QUICK GUIDE	INSTALLATION / ELECTRICAL CONNECTION	ON	WIRING
Serves for safe handling with the KEB drive inverter.	A DANGER Voltage at the terminals and	in the device!	
Provides information on handling, assembly and installation.	Danger to life by electric she		
Remains for later use at the drive inverter.		on the open device or touch exposed parts.	
Does not replace the electronically provided instructions for use. For any work on the unit switch off the supply voltage and secure it			
This instruction manual is determined exclusively for electrical personnel. Electrical personnel for the purpose of this instruction manual must have the following qualifications:	against switching on.		
Knowledge and understanding of the safety instructions.	be generated.	pped in order that no regenerative energy can	
Skills for installation and assembly.		citors are discharged (5 minutes). Verify by	
 Understanding of the function in the used machine. 	measuring the DC voltage		
 Detection of hazards and risks of the electrical drive technology. 		quired, install suitable protective devices for	
 Knowledge of IEC 60364-5-54. 	drive inverters.	tective devices (also not for test purposes).	
 Knowledge of national safety regulations. 		th conductor properly to drive inverter and	
	motor.		
SAFETY INSTRUCTIONS	• •	in 3,5 mA: The minimum cross-section of the	Nr. Desc
A DANCER		must comply with local safety regulations for	1 Vehic
A DANGER Interventions by unauthorized personne!		s for equipment with high leakage current. Ind protective devices for operation.	2 Ener
Danger to life by electric shock and malfunction!		luct can cause a DC current in the protective	3 MCC
Modification or repair is only permitted by KEB authorized personnel.		esidual current device (RCD) or a residual cur-	insul
		I for the protection of direct or indirect contact,	4 Prec
	supply side.	e B is permitted for this product on the power	5 Fuse
NOTICE Getting more documentation	For a trouble-free and safe operation, please	nav attention to the following instructions:	6 HV-D
	 Check for reliable fit of the device connect 		7 KEB
Hazards and risks through ignorance.	and avoid sparking.		
► Open the KEB homepage at <i>www.keb.de</i> .	► Within systems or machines the person in		
► By entering the material number in the search field, you will get the cor-	 existing or new wired safe ELV circuits the For drive inverters that are not isolated from 	EN requirement for safe insulation is still met!	
responding parts of the instructions for use.		ed in other protective measures (e.g. double	
 Read the instructions for use carefully ! Observe the safety and warning instructions ! 	insulation or shielded, earthed and insulat		
 If you have any questions, please contact service@keb.de! 	 Installations with additional safety or prote 		
	-	ing drive inverters, to be in accordance with the	
TRANSPORT	given applications notes or recommendati	on when using these.	
The transport must be carried out by instructed persons, observing the following instructions.			
A CAUTION Maximum design edges and high weight!	COOLING AND COOLANT CONNECTION		
Contusions and bruises!			
 Never stand under suspended loads. 	NOTICE Deformation of the heat sin	k by pressure peaks.	
► Wear safety shoes.	Maximum test pressure 4 b	ar.	
Secure drive inverter accordingly when using lifting gear.		ay not be exceeded briefly by pressure peaks!	Nr. Desc
	Observe Directive 2014/68	B/EU for pressure equipment!	1 KEB
	Observe coolant flow rate!		2 Moto
NOTICE Behaviour in case of transport damage	Fall below => no sufficient cooling.		3 Moto
When receiving goods, check the device for transport damage such as	Exceeding => heat sink is washed out.		4 Doub
 deformations or loose parts. ► In case of damage, contact the carrier immediately. 	Coolant connection		5 Three
 Do not operate the device in case of transport damage! 	Coolant	Water-glycol (45:55)	6 Temp
	Amount of coolant in the device	The amount of coolant is depending on the	¹⁾ A low
		system length	conn
STORAGE	Minimum coolant	0.1251	
Do not store drive inverters	Maximum coolant	0.4101	
 in the environment of aggressive and/or conductive liquids or gases. 	Coolant inlet temperature		
at places with direct sunlight.	constant, minimum	30°C	
 outside the specified environmental conditions. 	constant, maximum	65°C	
UNPACKING AND CHECKING	Minimum volume flow	5l/min	OUT
 Make sure that no components are bent and/or isolation distances are changed. 	Maximum volume flow	15 l/min	
	Rated volume flow	10 l/min	
 The device must not be put into operation in case of mechanical defects. There is no compliance with applicable safety standards any more. 	Max. operating pressure in the cooling system		IN -
	Pressure drop	see instructions for use	
The electrolytic capacitors of the DC link must be reformed if the drive inverter			
was stored or out of operation for more than one year. See www.keb.de/nc/	Materials in the cooling circuit Avoid contact corrosion and pitting		i.
search with search term "electrolytic capacitors".		, .	2
INSTALLATION	For the screw connections and also for the m in contact with the coolant (electrolyte) a mat		
INSTALLATION	voltage difference to the heat sink.		Na
Drive inverters contain electrostatic sensitive components.	An aluminum fitting or ZnNi coated steel fittin	•	Nr.
	checked before use. The specific case of app		
 Avoid contact. Wear ESD-protective clothing. Avoid contact. Wear ESD-protective clothing. A liability for occuring damages by wrongly used materials and from this resulting corros 			3
			4
• Do not allow moisture or mist to penetrate the unit. Mount the drive inverter according to	cannot be taken over!		X1A
the required degree of protection.			
 Maximum surrounding temperature 70°C 	MOUNTING		X2A
			X3A X1B1
• Maximum pressure for liquid-cooled drive inverters 2 bar (29 psi) at -30+70°C.	Poquirod motorial		
NOTICE Mounting	Required material	Anzugsdrehmoment	
NOTICE Mounting ► Clamping against the housing cover is not permitted.	Screw DIN EN ISO 4762 - M8 - Stainless	22 Nm ± 1.1 Nm	X1B6
NOTICE Mounting	•		



Must be locked with spreading rivet!

COMBIVERT T6

QUICK START GUIDE

Translation of the original manual T6 Serie System A-F Document 20177420 ENG 04

KEB









SYSTEM LENGTH D

796 754

e e e e e



www.kep.de

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SYSTEM LENGTH A

HOUSING DIMENSIONS

SYSTEM LENGTH B



SYSTEM LENGTH C





SYSTEM LENGTH E

С

104,5





SYSTEM LENGTH F



		www.keb.de/nc/search	
BG	Други налични езици.		
CN	其他语言可用。		
CZ	Jiné jazyky k dispozici.		
DK	Andre sprog til rådighed.		
DE	Weiteren Sprachen verfügbar.		
EN	Other languages available.		
EE	Muud keeled on saadaval.		
ES	Otros idiomas disponibles.		
FI	Muut kielet saatavilla.		
FR	Autres langues disponibles.		
GR	Άλλες διαθέσιμες γλώσσες.		
IE	Teangacha eile ar fáil.		
IT	Altre lingue disponibili.		
JP	他の言語も利用できます。		
KR	다른 언어도 사용할 수 있습니다.		

	www.keb.de/nc/search
HR	Ostali dostupni jezici.
HU	Más elérhető nyelvek.
LV	Citas pieejamās valodas.
LT	Kitos kalbos.
MT	Lingwi oħra disponibbli.
NL	Andere talen beschikbaar.
PL	Inne dostępne języki.
PT	Outros idiomas disponíveis.
RO	Alte limbi disponibile.
RU	Доступны другие языки.
SE	Andra språk finns tillgängliga.
SK	Iné jazyky sú k dispozícii.
SI	Drugi jeziki so na voljo.
TR	Mevcut diğer diller.