USING THE QUICK GUIDE	MOUNTING DI	MENSION 0712Z2F04	4-1003						CONNECTION		
Provides information on handling, assembly and installation.		Minimum distan	ices		Dimension	Dimensi	on in mm	Distance in inches			Con
Remains for later use at the product.				_	A	_	50	6	Mat. No.	Туре	U,
Does not replace the electronically provided instructions for use.		t			В	1:	50	6	07Z2F04-1003		
This manual is intended exclusively for persons who are familiar with the logistics and installation. The person must have the following qualifications:		A E	~		С	1	50	6	09Z2F04-1003		
 Knowledge and understanding of the safety instructions. 			-1		D	1:	50	6	10Z2F04-1003		
Skills for installation and assembly.		<mark>→D→</mark>		C 🚬	E	(0	0	12Z2F04-1003 13Z2F04-1003		-
Knowledge of EMC conform wiring.					F ¹⁾	1	50	6	14Z2F04-1003	Terminal	
Detection of hazards and risks of the electrical drive technology.		F			¹⁾ Distance to f	front operatir	na element	ts in the control cabinet	15Z2F04-1003		RK
 Knowledge of DIN IEC 60364-5-54. 		⊮ B				iront oporadi	door.		16Z2F04-1003		
 Knowledge of national safety regulations (e.g. DGUV Regulation 3). 		Y							17Z2F04-1003		RK
SAFETY INSTRUCTIONS	MOUNTING DI	MENSION 1330Z2F04	4-1003		• 				18Z2F04-1003 19Z2F04-1003		RK
A DANGER Interventions by unauthorised personnel!		Minimum distan	ICAS		Dimension	Dimensi	on in mm	Distance in inches	20Z2F04-1003		
				_	A		00	4	21Z2F04-1003		
Danger to life through electric shock and malfunctions!		<u>†</u>			В		0	0	22Z2F04-1003 23Z2F04-1003		1
 Modification or repair is only permitted by KEB authorised personnel. 		A_E/	*		С		00	4	24Z2F04-1003		
			\square		D		00	4	25Z2F04-1003		
NOTICE Getting more documentation				C,	E	_	00	4	26Z2F04-1003	Bolt	
Hazards and risks through ignorance					F ¹⁾	-	00	4	27Z2F04-1003	DOIL	
 Open the KEB homepage at www.keb.de. 		F			1) Distance to f			ts in the control cabinet	28Z2F04-1003		
 By entering the material number in the search field, you will get the corresponding parts of the 		✓ B			"Distance to i	ironi operatir	door.	is in the control cabinet	29Z2F04-1003 30Z2F04-1003		1
instructions for use.		*		_					31Z2F04-1003		
Read the instructions for use carefully!	WIRING				1				32Z2F04-1003		
Observe the safety and warning instructions!	WIKING								33Z2F04-1003		
If you have any questions, please contact service@keb.de!			Schema	atic diagra	m with motor cl	hoke			NOTICE	Destruction	of th
TRANSPORT			0							 Mechan 	nically
The transport must be carried out by instructed persons, observing the following instructions.		1	2		3		4		-	ance.	
CAUTION Maximum design edges and high weight!									START-UP AND	OPERATIO	N
Contusions and bruises!		T1 T2	T1 T2					\sim \parallel \mid		Triggering	of ov
Never stand under suspended loads.					~ . . .	/				Risk of fire	
► Wear safety shoes.			J1.1	<u>U1.2</u>					^	 Triggeri 	
Secure devices accordingly when using lifting gear.		<u> </u>	/1.1	V1.2			М З~			a RCD	
						ŶV	3~			In order	r to re
NOTICE Behaviour in case of transport damage	İ	T ↓ ↓ w¦ ↓ ↓	W1.1	W1.2	<u> </u>					should	be ch
When receiving goods, check the device for transport damage such as deformations or loose parts.					\ <u>+</u> ' \ <u>+</u> '		∖ ⊕		-		
 In case of damage, contact the carrier immediately. 										ligh temper	
► Do not operate the device in case of transport damage!			\cap		I I					Surning of t	
	Ĺ.	ŧŧĹ_		. 			!			 Cover ho 	
STORAGE	PE -	'		+			-'	•PF		 If necess Check et 	
Do not store the devices				<u></u>				. =	<u> (</u> ")	 Check si Let the d 	
 in the environment of aggressive and/or conductive liquids or gases. 		e controller		Shielded m	lotor cable			temperature monitoring			
at places with direct sunlight.	2 Moto	or choke		Motor			Output drive	e controller	MAINTENANCE		
outside the specified environmental conditions.	++, DC I	ink connection	U1.1, V1.1,	Input moto	r choke	U1.2, V1.2, C	Output moto	or choke	The following ma	intenance w	vork h
UNPACKING AND CHECKING	, 201		W1.1	•		W1.2	-		personnel.	- dual f	
 Make sure that no components are bent and/or isolation distances are changed. 		nection protective			potential equalisat	tion via metal	housing on	galvanised mounting	 Clean the property of management 		
The device must not be put into operation in case of mechanical defects. There is no compliance with applicable safety	PE / © earti	1		plate					 In case of ma 		
standards any more.	NOTICE	Measurement disto	ortions and s	sooting of	contacts!				In case of fail		
INSTALLATION		 For devices with 	n PT100/ KT)	Y or analog	signal evaluatio				INSTALLATION	/ ELECTRIC	AL C
 If available, use the lifting eyebolts provided for installation. 		 in the detection of A different protection 								/oltage at th	he ter
 Do not stand under suspended equipment during installation. 						a tomp				Danger to lif	fe by (
 Mount the product according to the required degree of protection. 										 Never w 	vork u
 Make sure that no small parts fall into the device during assembly and wiring (drilling chips, screws etc.). This also applies to mechanical components, which can lose small parts during operation. 									<u>/7</u>	For anyWait un	

- The devices are intended for the use in a pollution degree 2 environment.
- Maximum ambient temperature 45°C
- UL/CSA: Ensure UL-compliant connection of all power connections according to the requirements given in the data sheet.

	Cross-section-	Tightenir	With tempera-		
PE	in mm ² / AWG	U, V, W	PE	ture switch	
-Lock	0.26 / 2410	_	_		
M6	0.210 / 228	2 / 17.7	4.5 / 39.8		
	2.516 / 106	4 / 35.4		_	
M8	2.535 / 122	5 / 44.3	10 / 88 5		
		20 / 177			
	_				
M10		40 / 354	20 / 177	1	
	-Lock	al area in mm² / AWG -Lock 0.26 / 2410 M6 0.210 / 228 M8 2.516 / 106 2.535 / 122	al area in mm² / AWG U, V, W -Lock 0.26 / 2410 — M6 0.210 / 228 2 / 17.7 M8 2.516 / 106 4 / 35.4 2.535 / 122 5 / 44.3 M10 —	al area in mm² / AWG U, V, W PE -Lock 0.26 / 2410 - - M6 0.210 / 228 2 / 17.7 4.5 / 39.8 M8 2.516 / 106 4 / 35.4	

he motor filter!

r interception of connection cables at a distance of 100 mm to ensure vibration resist-

vercurrent protection devices

electric shock!

f an overcurrent protection device will be a hint for an overload or short circuit. Triggering be caused by a leakage current.

reduce the risk of fire or electric shock, live parts and other components of the device hecked and replaced in case of damage.

es on the device

kin!

rfaces so that they are safe to touch.

- attach warning signs to the system.
- e before touching.

e cool down before any work is carried out.

has to be carried out when required, but at least once a year by authorised and trained

nd dust deposits.

al noises or smells inform a person in charge!

act the machine manufacturer.

ONNECTION

rminals and the device!

electric shock!

generated.

DISPOSAL

under voltage on the device or touch exposed parts.

k on the unit switch off the supply voltage and secure it against switching on.

- Wait until the mechanical drive system has stopped in order that no regenerative energy can be
- Never bridge upstream protective devices (also not for test purposes).
- Connect the protective earth conductor properly.

Install all required covers and protective devices for operation.

For a trouble-free and safe operation, please pay attention to the following note:
Check for reliable fit of the device connections in order to avoid contact resistance and sparking.

► For professional disposal, follow the instructions in the instructions for use

COMBILINE Z2 MOTOR CHOKES

QUICK GUIDE

	Mat. No.	в
Translation of the original manual	20Z2F04-1003	
Z2 series filters Document 20237846 EN 01	21Z2F04-1003	290
Mat.No. 0FZ2N1M-0000	22Z2F04-1003	
	All dimensions in	mm; a







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ABA Water Steele State S





Mounting direction

	1	I									
	Т	T1	Н	H1	a1	a2	Α	S	Е	Weight	
		285	331	389						32	
	170	285	343	401	144	120	M10			32.8	
	170	285	355	413	144	120				35	
		315	366	424	1					41	
		330	388	446	- 150				M12	M10	45
	180	325	407	465		160	M12			58.5	
	100	350	421	479						62	
		360	360 463 521						72		
nts	nts in kg										



B1

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Installation COMBILINE Z2 Ausgangsfilter www.keb.de/fileadmin/media/Manuals/dr/ma_dr_z2-output-filter-inst_20184032_de.pdf

	KR	다른 언어도 사용할 수 있습니다.
зици.	HR	Ostali dostupni jezici.
	HU	Más elérhető nyelvek.
ozici.	LV	Citas pieejamās valodas.
dighed.	LT	Kitos kalbos.
en verfügbar.	MT	Lingwi oħra disponibbli.
available.	NL	Andere talen beschikbaar.
saadaval.	PL	Inne dostępne języki.
ponibles.	PT	Outros idiomas disponíveis.
villa.	RO	Alte limbi disponibile.
sponibles.	RU	Доступны другие языки.
γλώσσες.	SE	Andra språk finns tillgängliga.
r fáil.	SK	Iné jazyky sú k dispozícii.
nibili.	SI	Drugi jeziki so na voljo.
ぎきます 。	TR	Mevcut diğer diller.