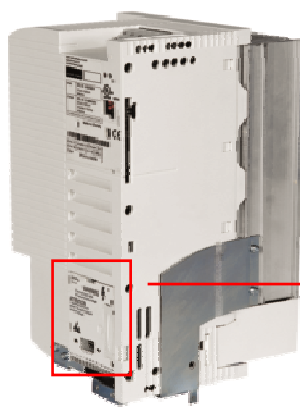


Lieferumfang Scope of delivery

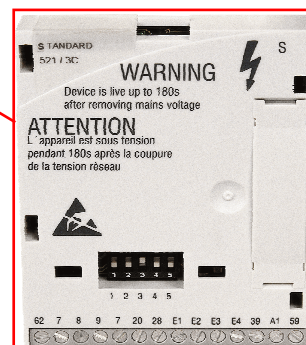
Im Lieferumfang der Geräte (2FC) von Gardner Denver Deutschland GmbH war immer das Steuerklemmen-Modul 2FX4502-0NE00 enthalten. Es war vormontiert und die DIP-Schalter waren auf 0 - 5 V voreingestellt.

Im Lieferumfang der Original Geräte (E82EV) von Lenze ist das Steuerklemmen-Modul E82ZAFS nicht enthalten. Es muss separat bestellt werden. Einstellung und Montage müssen durch den Inbetriebnehmer erfolgen.



Schaltschrank FU IP20
mit montiertem Modul
Stand-alone unit IP20
with module fitted

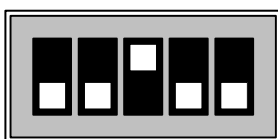
Steuerklemmen-Modul
Connection module
2FX4501-0NE00
(Original E82ZAFS)



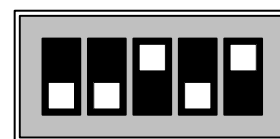
Scope of delivery of Gardner Denver Deutschland GmbH was always a Stand-alone unit IP20 (2FC) including the connection module 2FX4501-0NE00. It was already fitted and DIP switches were pre-configured to 0 - 5 V.

Scope of delivery of the original Lenze units (E82EV) does not include this module E82ZAFS. It must be ordered separately. It has to be fitted and to be configured within commissioning.

DIP Schalter / DIP switches



Gardner Denver
0 ... 5 V



Lenze
0 ... 10 V

**Produktliste /
Product catalogue**

Bitte bestellen Sie bei: / Please order at:

Lenze Service GmbH
Breslauer Straße 3
D-32699 Extertal
GERMANY

FON +49 5154 82-3000
FAX +49 5154 82-1112

Email: service.de@lenze.com

<http://www.lenze.com/ueber-lenze/lenze-in-deutschland/unternehmensportraet/standorte-und-adressen/>

Hier finden Sie die Dokumentation zu den aufgelisteten Komponenten: /
Please follow this link to download full documentation of listed parts:

DEUTSCH: <http://www.lenze.com/download/technische-dokumentation/einstieg-suche/>

ENGLISCH: <http://www.lenze.com/en/download/technical-documentation/step-into-search/>

Material		Gardner Denver Deutschland GmbH		Lenze Service GmbH
		Bestellnummer <i>Order number</i>	Materialnummer <i>Material number</i>	Bestellnummer <i>Order number</i>
Schaltschrank-FU IP20 <i>Stand-alone unit IP20</i> 200 V	0.37 kW	2FC1371-2NE00	519.00043.01	E82EV371K2C
	0.55 kW	2FC2551-2NE00	519.00034.03	E82EV551K2C
	0.75 kW	2FC2751-2NE00	519.00034.04	E82EV751K2C
	1.5 kW	2FC2152-2NE00	519.00035.03	E82EV152K2C
	2.2 kW	2FC2222-2NE00	519.00035.04	E82EV222K2C
	3 kW	2FC3302-2NE00	519.00036.04	E82EV302K2C
	4 kW	2FC3402-2NE00	519.00036.05	E82EV402K2C
	5.5 kW	2FC3552-2NE00	519.00036.06	E82EV552K2C
	7.5 kW	2FC3752-2NE00	519.00037.03	E82EV752K2C
Schaltschrank-Frequenzrichter IP20 <i>Stand-alone unit IP20</i> 400 V	0.55 kW	2FC4551-2NE00	519.00034.01	E82EV551K4C
	0.75 kW	2FC4751-2NE00	519.00034.02	E82EV751K4C
	1.5 kW	2FC4152-2NE00	519.00035.01	E82EV152K4C
	2.2 kW	2FC4222-2NE00	519.00035.02	E82EV222K4C
	3 kW	2FC4302-2NE00	519.00036.01	E82EV302K4C
	4 kW	2FC4402-2NE00	519.00036.02	E82EV402K4C
	5.5 kW	2FC4552-2NE00	519.00036.03	E82EV552K4C
	7.5 kW	2FC4752-2NE00	519.00037.01	E82EV752K4C
	11 kW	2FC4113-2NE00	519.00037.02	E82EV113K4C
	15 kW	2FC4153-2NE00	519.00038.01	E82EV153K4C
	22 kW	2FC4223-2NE00	519.00038.02	E82EV223K4C
	30 kW	2FC4303-2NE00	519.00038.03	E82EV303K4C
	45 kW	2FC4453-2NE00	519.00039.01	E82EV453K4C

Bitte immer das Steuerklemmen-Modul E82ZAFSC mitbestellen!
Please always order connection module E82ZAFSC additionally!

Material	Gardner Denver Deutschland GmbH		Lenze Service GmbH
	Bestellnummer <i>Order number</i>	Materialnummer <i>Material number</i>	Bestellnummer <i>Order number</i>
Steuerklemmen-Modul <i>connection module</i>	2FX4501-0NE00	519.00045.01	E82ZAFSC
Applikations-Modul <i>Application module</i>	2FX4502-0NE00	519.00045.02	E82ZAFAC
Schalter-Poti-Einheit <i>Switch potentiometer</i>	2FX4503-0LE00	519.00045.03	E82ZBU
Keypad	2FX4505-0NE00	519.00045.05	E82ZBC
Keypad-Handheld	2FX4506-0NE00	519.00045.06	E82ZBB
Profibus-Modul <i>Profibus module</i>	2FX4507-0NE00	519.00045.07	E82ZAFPC
CAN-Modul <i>CAN module</i>	2FX4508-0LE00	519.00045.08	E82ZAFCC001
DeviceNet-Modul <i>DeviceNet module</i>	2FX4509-0LE00	519.00045.09	E82ZAFVC001
PC-Adapter <i>PC adaptor</i>	2FX4510-0LE00	519.00045.10	E82ZBL
Systemkabel 2,5 m <i>Cable 2.5 m</i>	2FX4511-0LE00	519.00045.11	E82ZWL025
Systemkabel 5 m <i>Cable 5 m</i>	2FX4512-0LE00	519.00045.12	E82ZWL050
RS-232 Leitung <i>RS-232 cable</i>	2FX4513-0LE00	519.00045.13	EWL0048
Lüftermodul <i>Additional fan</i>	2FX4514-0LE00	519.00045.14	E82ZMV
Bus-I/O BF1	2FX4516-0LE00	519.00045.16	E82ZAFBC001
Bus-I/O BF2	2FX4517-0LE00	519.00045.17	E82ZAFBC201

Material	Gardner Denver Deutschland GmbH		Lenze Service GmbH
	Bestellnummer <i>Order number</i>	Materialnummer <i>Material number</i>	Bestellnummer <i>Order number</i>
Netzdrosseln <i>Mains choke</i>	2FX4601-0NE00	519.00046.01	ELN1-0900H005
	2FX4602-0NE00	519.00046.02	ELN1-0500H009
	2FX4603-1NE00	519.00046.03	ELN1-0250H018
	2FX4604-0NE00	519.00046.04	E82ZL75132B
	2FX4605-0NE00	519.00046.05	E82ZL22232B
	2FX4606-0NE00	519.00046.06	ELN3-0120H017
	2FX4607-0NE00	519.00046.07	ELN3-0120H025
	2FX4608-1NE00	519.00046.08	ELN3-0088H035
	2FX4609-0NE00	519.00046.09	EZN3A1500H003
	2FX4610-0NE00	519.00046.10	E82ZL 22234B
	2FX4611-0NE00	519.00046.11	EZN3A0500H007
	2FX4612-0NE00	519.00046.12	EZN3A0300H013
	2FX4613-1NE00	519.00046.13	ELN3-0150H024
Netzfilter <i>Mains filter</i>	2FX4614-1NE00	519.00046.14	E82ZN22334B230
	2FX4615-1NE00	519.00046.15	E82ZN30334B230
	2FX4616-1NE00	519.00046.16	E82ZN45334B230

**Vergleich der Parametereinstellungen
Comparison of Parameter settings**

Code	Sub Code	Bezeichnung	Gardner Denver			Lenze
C0010		Minimale Ausgangsfrequenz / <i>Minimum output frequency</i>	10 Hz			0
C0011**		Maximale Ausgangsfrequenz / <i>Maximum output frequency</i>	86 Hz			50 Hz
C0012*		Hochlaufzeit Hauptsollwert * / <i>Acceleration time main setpoint</i>	10 s	25 s	30 s	5 s
C0013*		Ablaufzeit Hauptsollwert * / <i>Deceleration time main setpoint</i>	10 s	20 s	25 s	5 s
C0015**		U/f-Nennfrequenz / <i>V/f rated frequency</i>	90,9 Hz			
C0037		JOG 1	34 Hz			20 Hz
C0038		JOG 2	67 Hz			30 Hz
C0039		JOG 3	50 Hz			40 Hz
C0094		Passwort / <i>User password</i>	1572			
C0119		Konfiguration PTC-Eingang / Erdschlusserkennung / <i>Configuration of motor temperature monitoring (PTC input) / earth fault detection</i>	1			0
C0142		Startbedingung / <i>Start condition</i>	3			1
C0170		Konfiguration TRIP-Reset / <i>Configuration TRIP reset</i>	2			0
C0239		Untere Frequenzbegrenzung / <i>Lowest frequency limit</i>	0			-480
C0311****		Sonderfunktion (u.a. Stromschwelle Fangschaltung) / <i>Functions for special applications 2</i>	5			1
C0409***		Relay2-K2 / <i>Configuration relay output K2</i>	16			255
C0410	1	Freie Konfiguration dig. Eingangss. / Jog 1/3 / <i>Free configuration of digital input signals / NSET1-JOG1/3</i>	3			1
	2	Freie Konfiguration dig. Eingangss. / Jog 2/3 / <i>Free configuration of digital input signals / NSET1-JOG2/3</i>	4			2
	3	Freie Konfiguration dig. Eingangss. / CW / CCW / <i>Free configuration of digital input signals / DCTRL1-CW/CCW</i>	255			4
	11	Freie Konfiguration dig. Eingangss. / TRIP-Set / <i>Free configuration of digital input signals / DCTRL1-TRIP-SET</i>	2			255
	12	Freie Konfiguration dig. Eingangss. / TRIP-Reset / <i>Free configuration of digital input signals / DCTRL1-TRIP-RESET</i>	1			255
	15	Freie Konfiguration dig. Eingangss. / DCB / <i>Free configuration of digital input signals / MCTRL1-DCB</i>	255			3
C0411		Pegelinvertierung digitale Eingänge (E2) / <i>Level inversion of digital inputs</i>	2			0
C0415	2	Freie Konfiguration dig. Signale / TRIP-Reset / <i>Free configuration of digital outputs / Digital output X3/A1 (DIGOUT1)</i>	2			16
C0517	1	User – Menü / user menu	Speicher 1 / Memory 1		140	50
	2		Speicher 2 / Memory 2		50	34
	3		Speicher 3 / Memory 3		52	7
	4		Speicher 4 / Memory 4		54	10
	5		Speicher 5 / Memory 5		10	11
	6		Speicher 6 / Memory 6		11	12
	7		Speicher 7 / Memory 7		12	13
	8		Speicher 8 / Memory 8		13	15
	9		Speicher 9 / Memory 9		15	16
	10		Speicher 10 / Memory 10		16	2
C0608*****		Lüfter-Überwachung / <i>Monitoring of external fan</i>	2			0

* Die drei Werte für C0012 und C0013 gelten leistungsabhängig: 1.Wert =< 5,5kW, 2.Wert = 7,5-15kW; 3.Wert => 22kW
Settings of C0012 and C0013 depend on nominal power: 1st value =< 5.5kW, 2nd value = 7.5 - 15kW; 3rd value => 22kW

** Nur integrierte FU / only integrated FC

*** Nur für 2FC4..3-2NE00 (15 - 45 kW) / only for 2FC4..3-2NE00 (15 - 45 kW)

**** Ab Firmware 3.5 / from firmware 3.5

***** Nur integrierte FU 3 - 7,5 kW / only integrated FC 3 - 7.5 kW