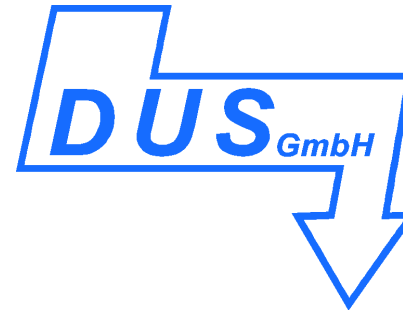




DUS Daten- und Steuerungstechnik GmbH
Waldstraße 17 • D-57250 Netphen-Deuz
E-Mail: info@smartplanning.de
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Electromechanical Division Europe

Street: Robert-Bosch-Strasse 22

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<http://www.parker.com/eme>

Project: Makros_2012_03

Project description: Macros for Eplan Electric P8

Inverter: Compax3S

Status: 03-2012

CAE: Eplan Electric P8 2.1.6.5473

Created on 25.11.2011

Edit date 11.06.2012

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Macros for Eplan Electric P8

LEGAL NOTICE AND EXCLUSION OF LIABILITY

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Parker Hannifin Manufacturing Germany GmbH & Co KG
Electromechanical Division Europe
Robert-Bosch-Strasse 22
77656 Offenburg (Germany)
All statements are made with the best intentions and the best of our knowledge and belief.
For the correctness and completeness of the specification no adhesion is taken over.
No responsibility is accepted for the using of the product data with the CAE system Eplan Electric P8.

Project structure

This project is a macro project and contains CAE data for Eplan Electric P8.

CAE data:

Type	File name	Version	File type
Macros	Makros_Compax3S_	03_2012	.zw5
Parts data	Parts_Makros_Compax3S_	03_2012	.zw6
Parts data import file	Parts_Makros_Compax3S_	03_2012	.xml

Data directories:

..\EPLAN\Electric P8\...\ PARKER\Inverter\Compax3S\

Parts data:

For all macros parts data have been created.
They apply to the internal part selection.
For the data exchange between parts data and project / project and parts data the Eplan Electric P8 functions for synchronize parts data will be use.

Eigenschaften (Schaltzeichen): Platzhalterobjekt

Platzhalterobjekt

Anzeige

Symbol- / Funktionsdaten

Name:

X11

Zuordnung

Werte

Variable	Analog	Encoder	SSI
X11_1	+24V (output)	+24V (output)	+24V (output)
X11_2	Ain1 -	Ain1 -	Ain1 -
X11_3	D/A monitor cha...	D/A monitor cha...	D/A monitor ...
X11_4	D/A monitor cha...	D/A monitor cha...	D/A monitor ...
X11_5	+5V (output)	+5V (output)	+5V (output)
X11_6	- Input: steps RS4...	A/	CLOCK-
X11_7	+ Input: steps RS...	A	CLOCK+
X11_8	+ Input: directio...	B	
X11_9	Ain0 +	Ain0 +	Ain0 +
X11_10	Ain1 +	Ain1 +	Ain1 +
X11_11	Ain0 -	Ain0 -	Ain0 -
X11_12	- Input: direction...	B/	
X11_13	res.	N/	DATA-
X11_14	res.	N	DATA+
X11_15	GND	GND	GND

Vorschau

OK

Abbrechen

Übernehmen

Eigenschaften (Schaltzeichen): Platzhalterobjekt

Platzhalterobjekt

Anzeige

Symbol- / Funktionsdaten

Name:

X10

Zuordnung

Werte

Variable	RS232	RS485 2-wire	RS485 4-wire
X10_1	(Enable) 0V	Enable (+5V)	Enable (+5V)
X10_2	RxD	res.	RxD
X10_3	TxD	TxD_RxD/	TxD/
X10_4	DTR	res.	res.
X10_5	GND	GND	GND
X10_6	DSR	res.	res.
X10_7	RTS	TxD_RxD	TxD
X10_8	CTS	res.	RxD/
X10_9	+5V	+5V	+5V

Vorschau

OK

Abbrechen

Übernehmen

Eigenschaften (Schaltzeichen): Platzhalterobjekt

Platzhalterobjekt

Anzeige

Symbol- / Funktionsdaten

Name:

X13

Zuordnung

Werte

Variable	Resolver	SinCos	EnDat 2.1	Direct Drives
X13_1	res.	res.	Sense -	Sense -
X13_2	res.	res.	Sense +	Sense +
X13_3	GND	GND	res.	Hall1 (digital)
X13_4	REF- Resolver+	Vcc (+8V)	Vcc (+5V)	Vcc (+5V)
X13_5	+5V	+5V	+5V	+5V
X13_6	res.	res.	CLKfbk	Hall2 (digital)
X13_7	SIN-	SIN-	SIN-/A-	SIN-/A-
X13_8	SIN+	SIN+	SIN+/A+	SIN+/A+
X13_9	res.	res.	CLKfbk/	Hall3 (digital)
X13_10	Tmot	Tmot	Tmot	Tmot
X13_11	COS-	COS-	COS-/B-	COS-/B-
X13_12	COS+	COS+	COS+/B+	COS+/B+
X13_13	res.	DATAfbk	DATAfbk	N+
X13_14	res.	DATAfbk/	DATAfbk/	N-
X13_15	REF- Resolver-	GND (Vcc)	GND (Vcc)	GND (Vcc)

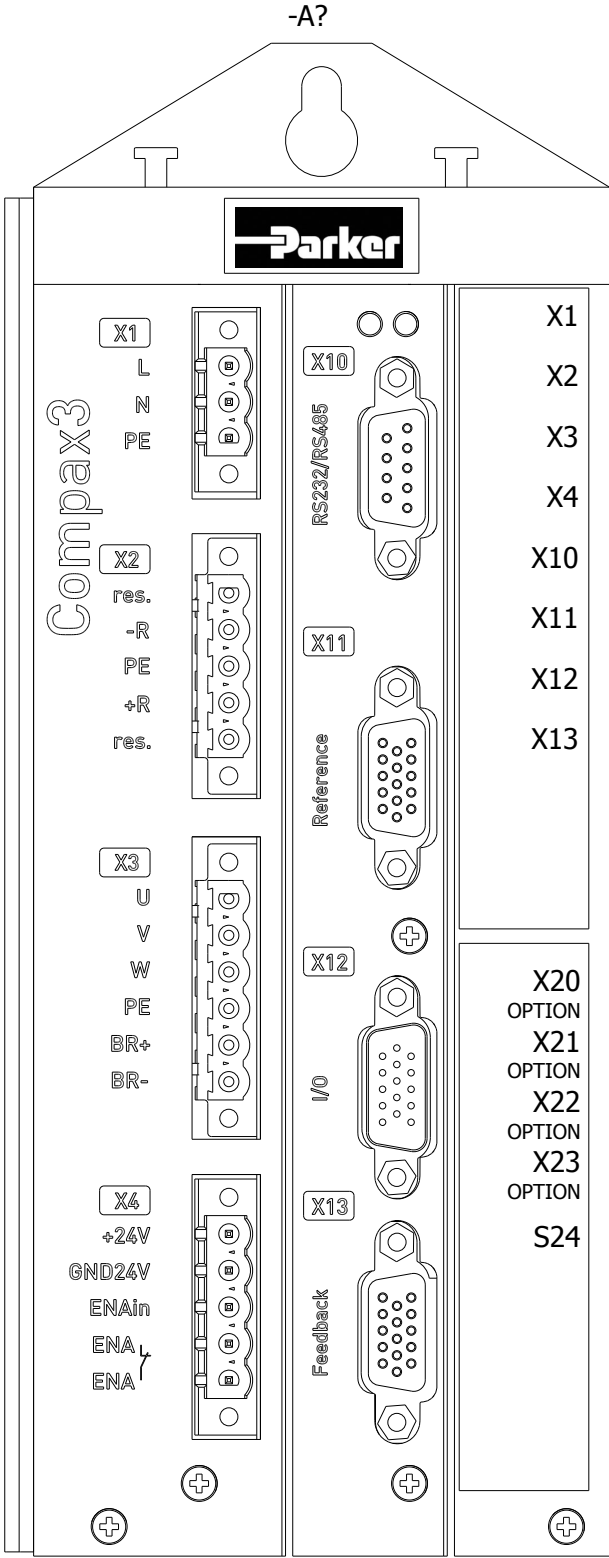
Vorschau

OK

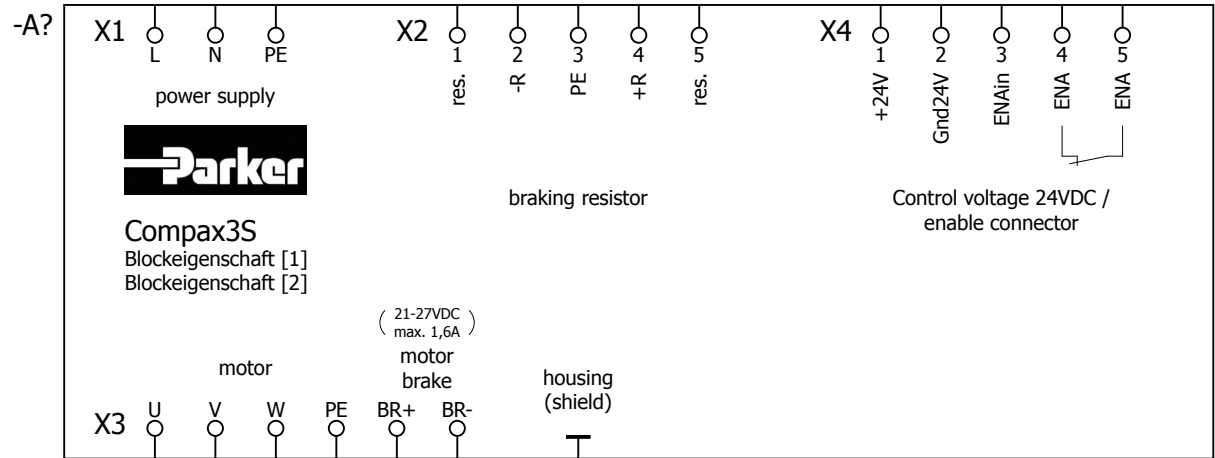
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Übernehmen

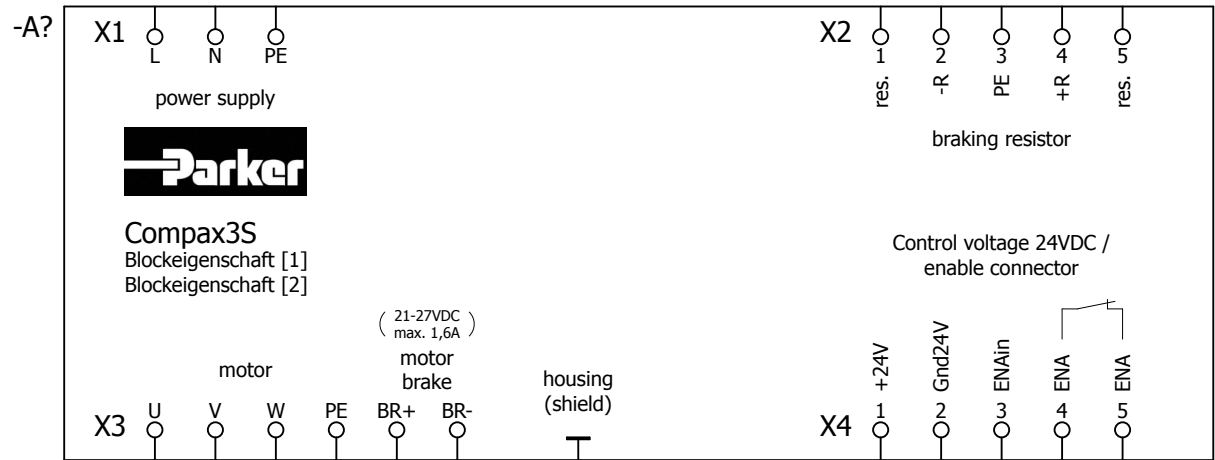
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Servo controller
Compax3S025V2
Version 2012/03
Variante A
Übersicht



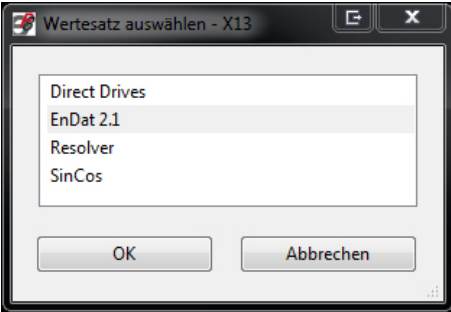
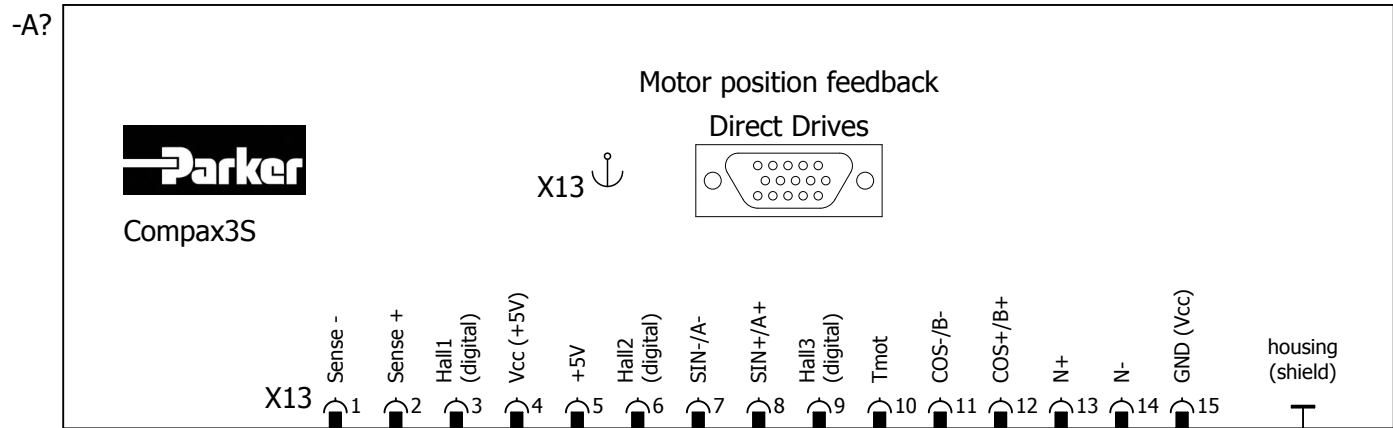
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Compax3S025V2
Version 2012/03
Variante A
Allpolig



PARKER\Inverter\Compax3S\025V2\Compax3S
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Compax3S025V2
Version 2012/03
Variante B
Allpolig

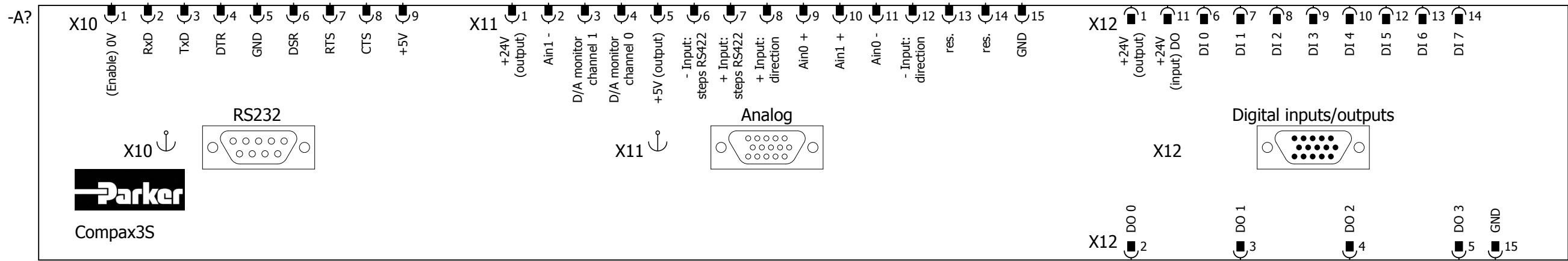


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Version 2012/03
Variante C
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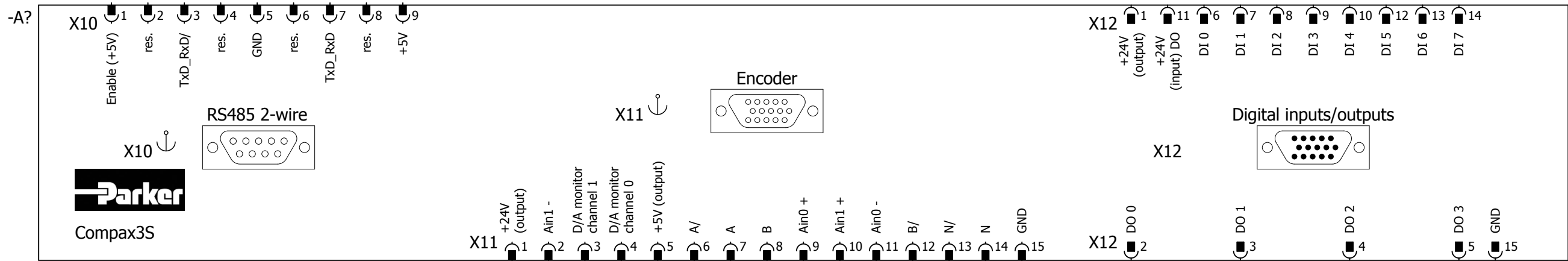


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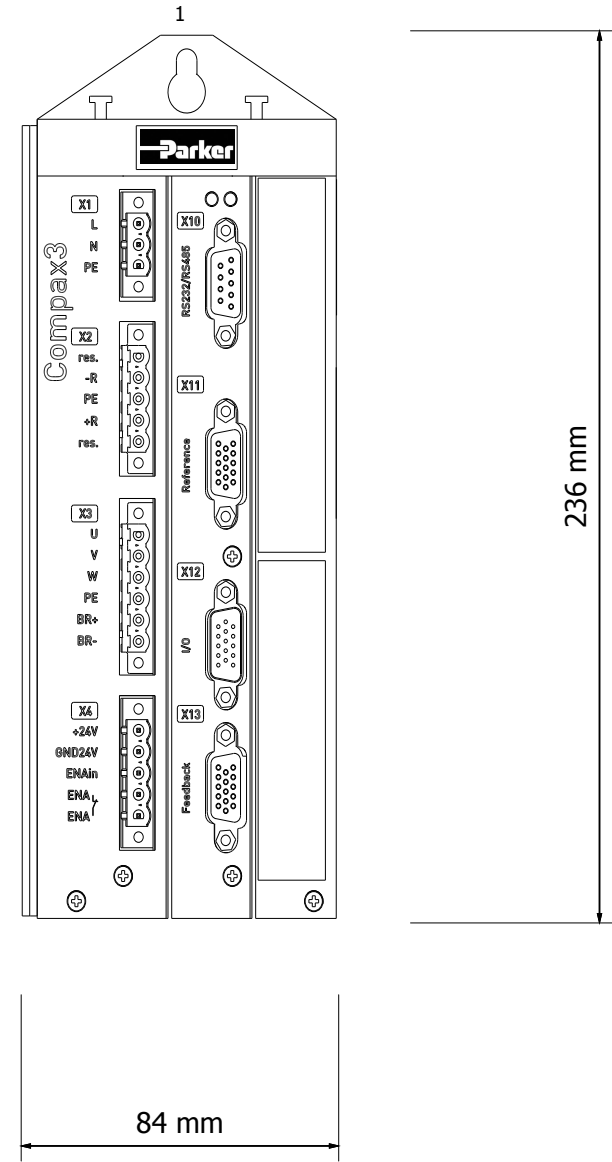
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Variante F
Allpolig



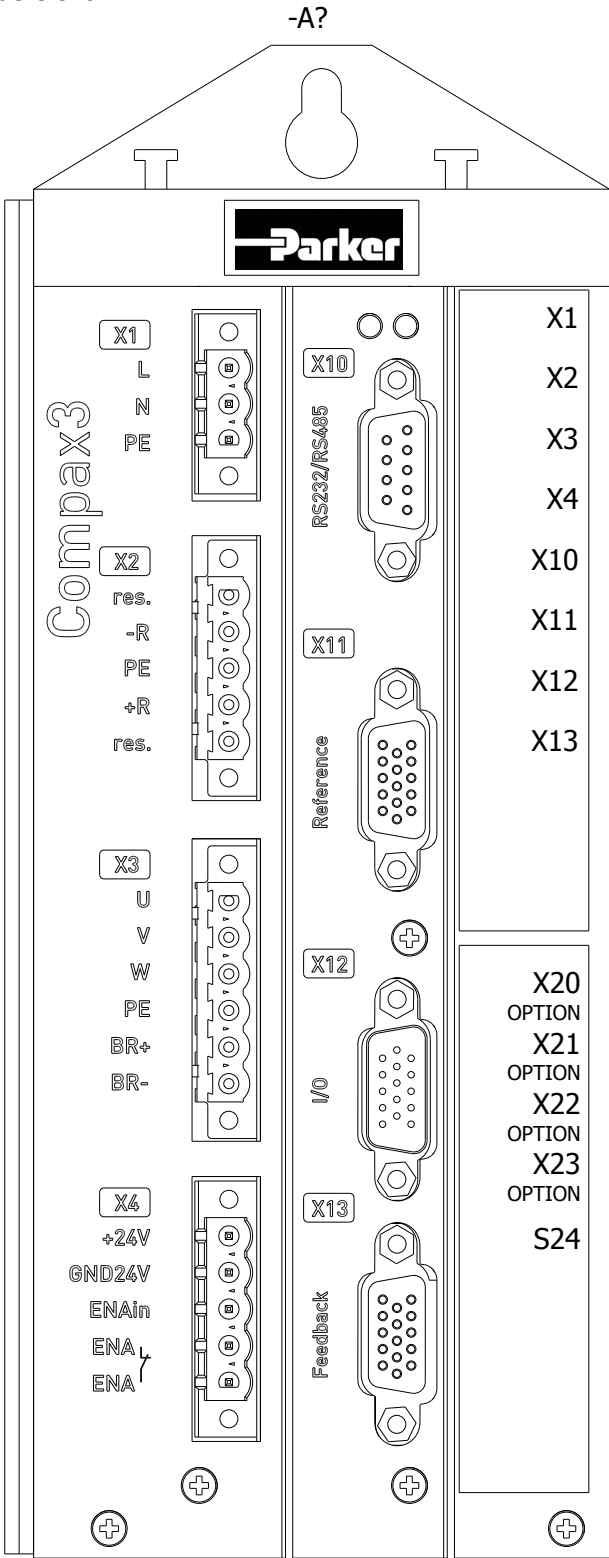
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Version 2012/03
Variante G
Allpolig



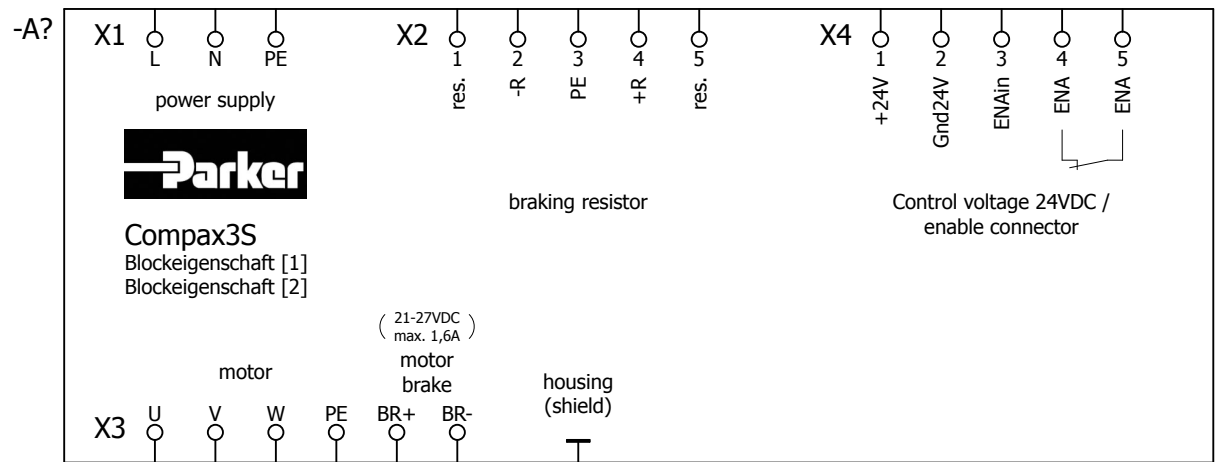
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Version 2012/03
Variante A
Schaltschrankaufbau



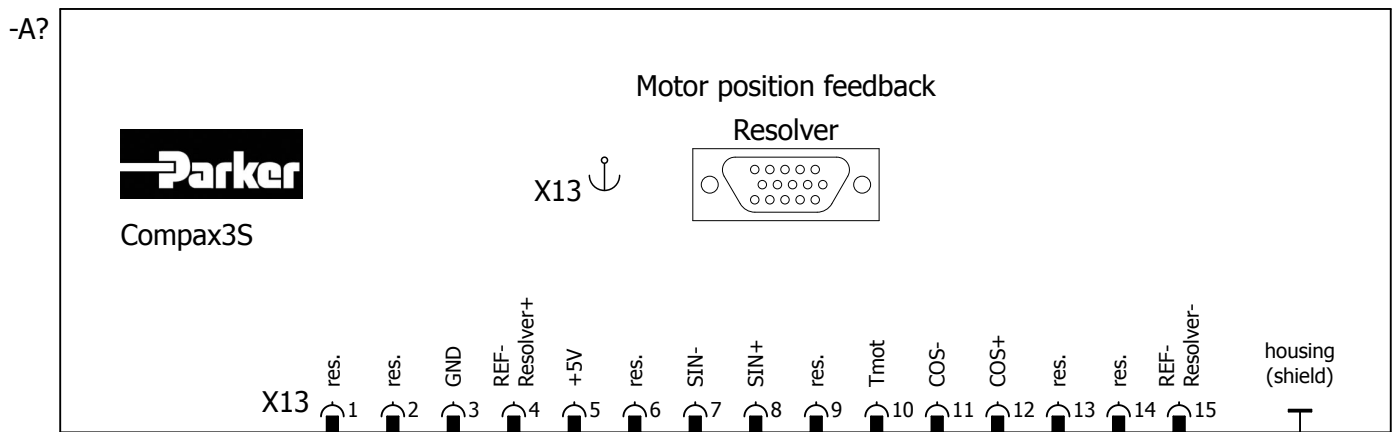
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Version 2012/03
Variante A
Übersicht



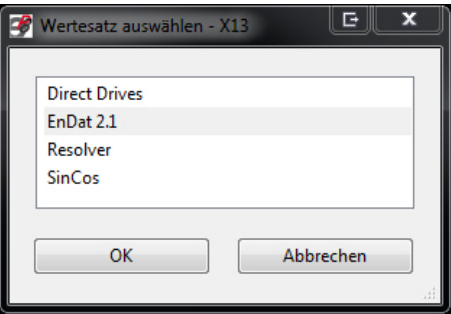
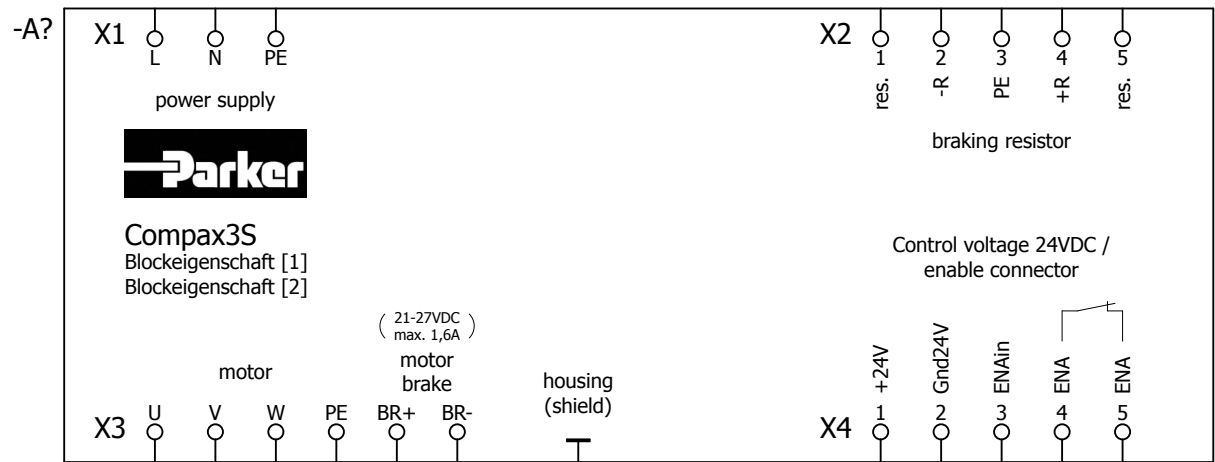
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Servo controller
Compax3S063V2
Version 2012/03
Variante A
Allpolig



PARKER\Inverter\Compax3S\063V2\Compax3S
Servo controller
Compax3S063V2
Version 2012/03
Variante C
Allpolig



PARKER\Inverter\Compax3S\063V2\Compax3S
Servo controller
Compax3S063V2
Version 2012/03
Variante B
Allpolig



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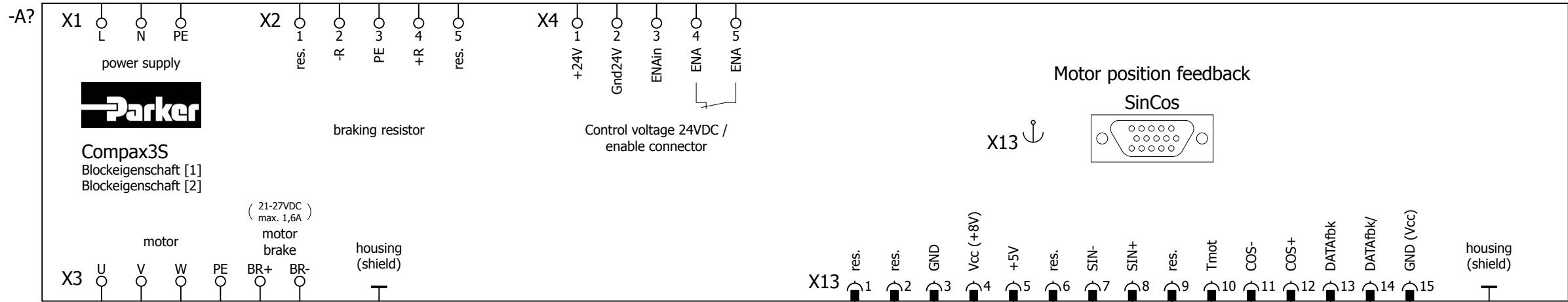
Servo controller

Compax3S063V2

Version 2012/03

Variante D

Allpolig



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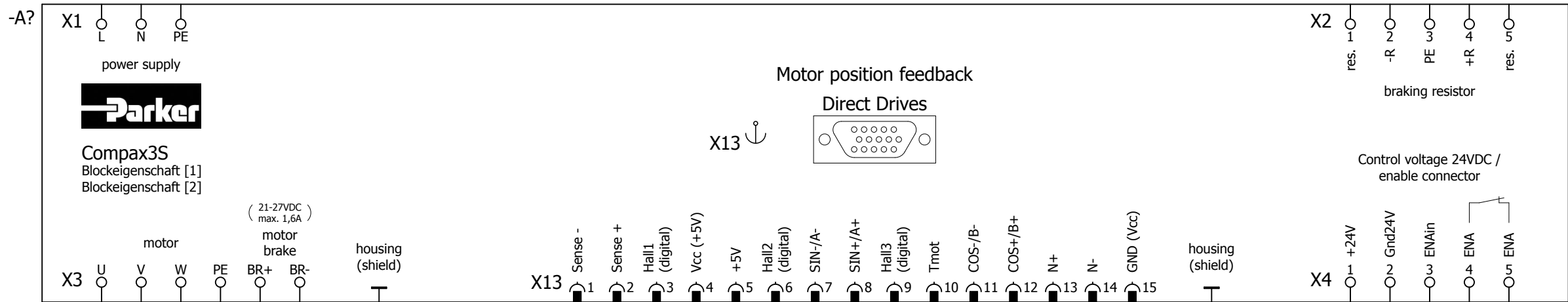
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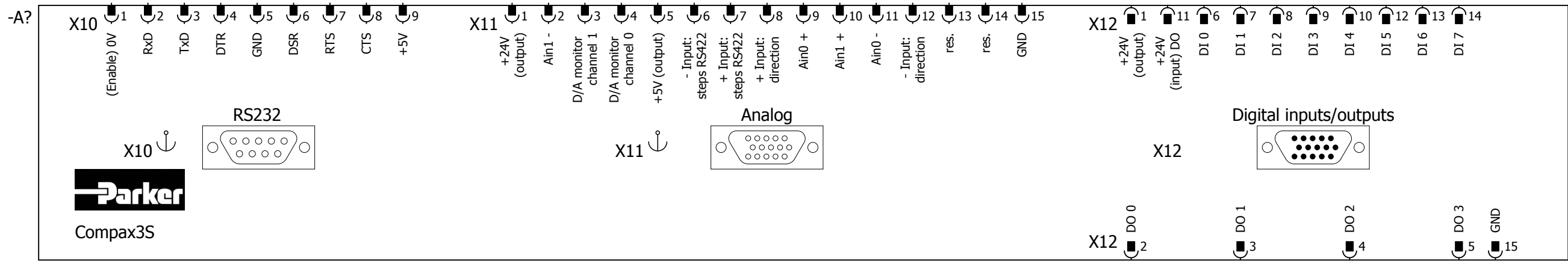
Version 2012/03

Variante E

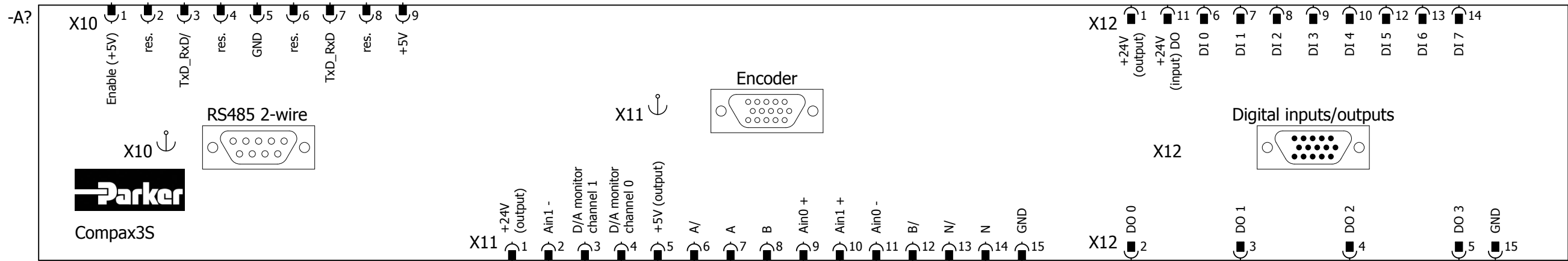
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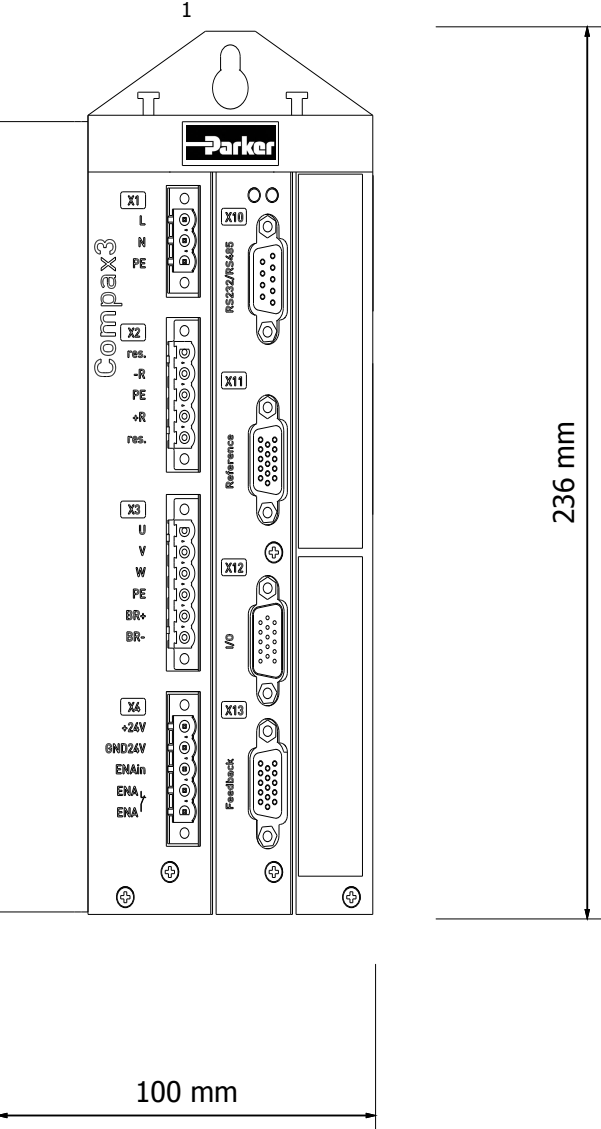
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Variante F
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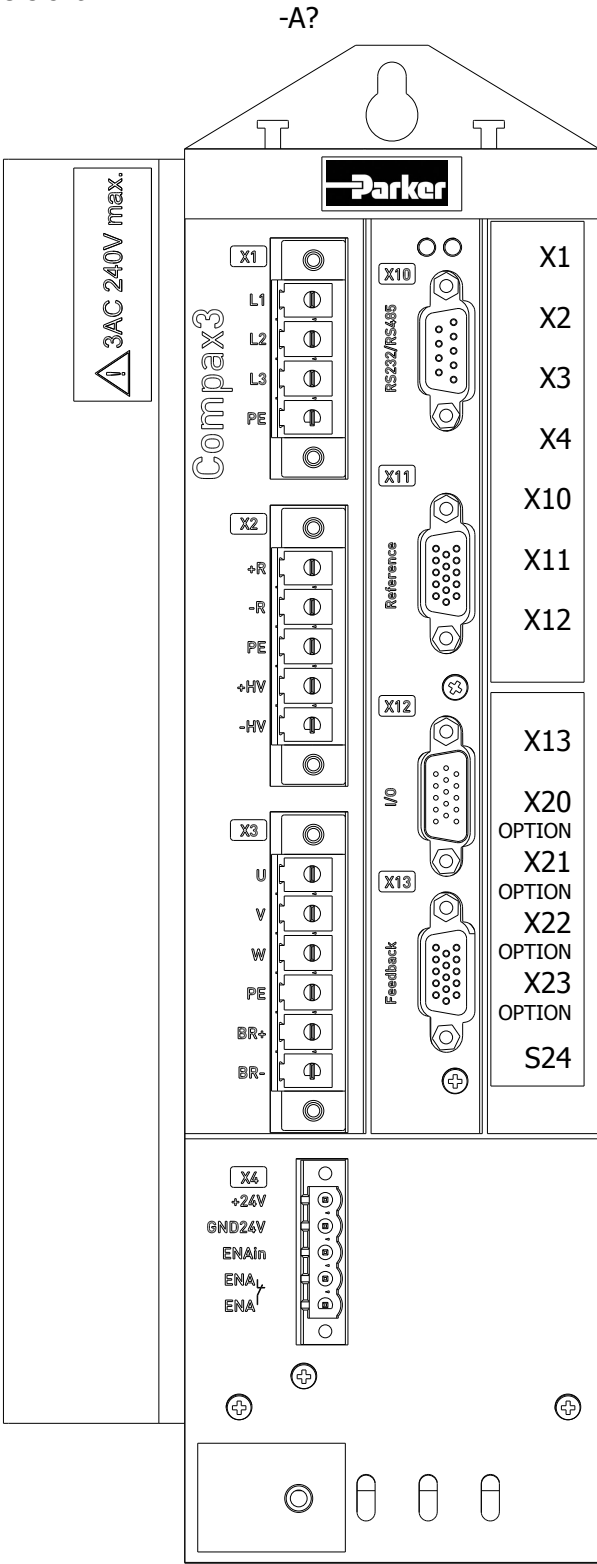
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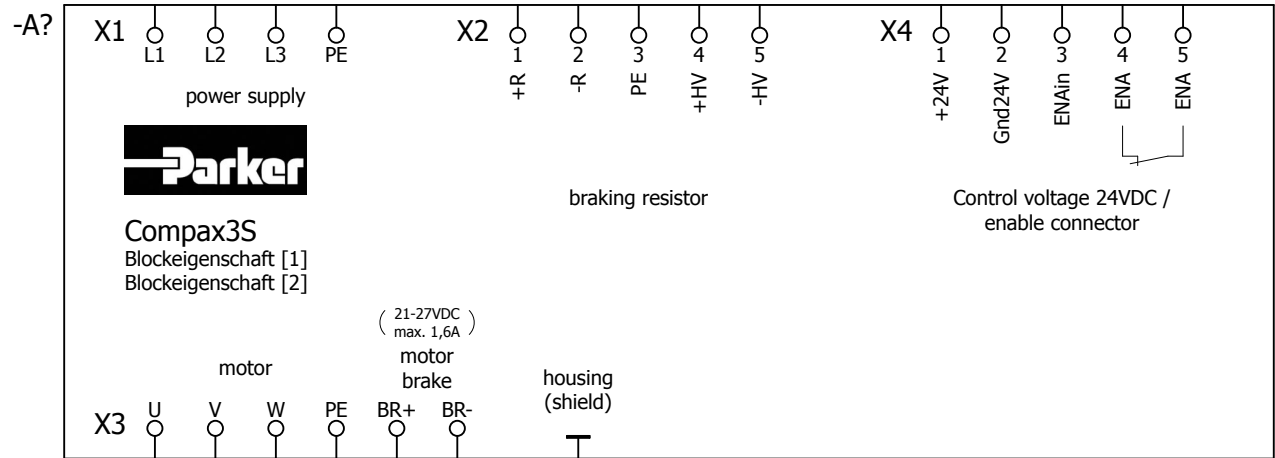
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Variante A
Schaltschrankaufbau



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Version 2012/03
Variante A
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W

PE

BR+

BR-

motor

(21-27VDC
max. 1,6A)motor
brakehousing
(shield)

X4

1

2

3

4

5

+24V

Gnd24V

ENAIN

ENA+

ENA-

Control voltage 24VDC /
enable connector

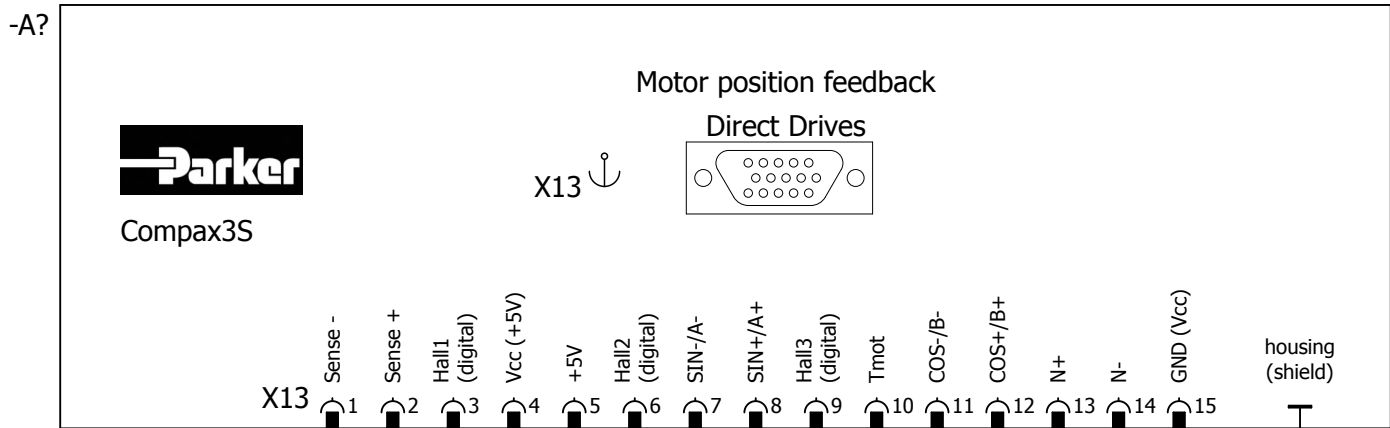
Parker

Compax3S

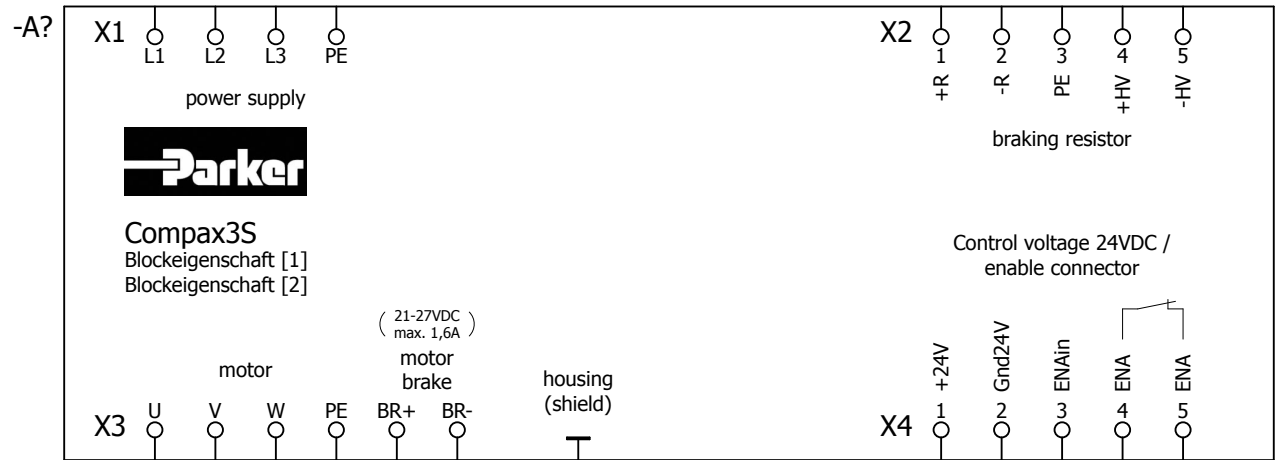
Blokeigenschaft [1]

Blokeigenschaft [2]

PARKER\Inverter\Compax3S\100V2\Compax3S
Servo controller
Compax3S100V2
Version 2012/03
Variante C
Allpolig



PARKER\Inverter\Compax3S\100V2\Compax3S
Servo controller
Compax3S100V2
Version 2012/03
Variante B
Allpolig



X3

U

V

W

PE

BR+

BR-

motor

(21-27VDC
max. 1,6A)motor
brakehousing
(shield)

X4

1

2

3

4

5

+24V

Gnd24V

ENAIN

ENA+

ENA-

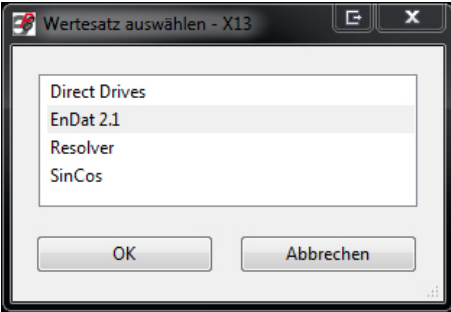
Control voltage 24VDC /
enable connector

Parker

Compax3S

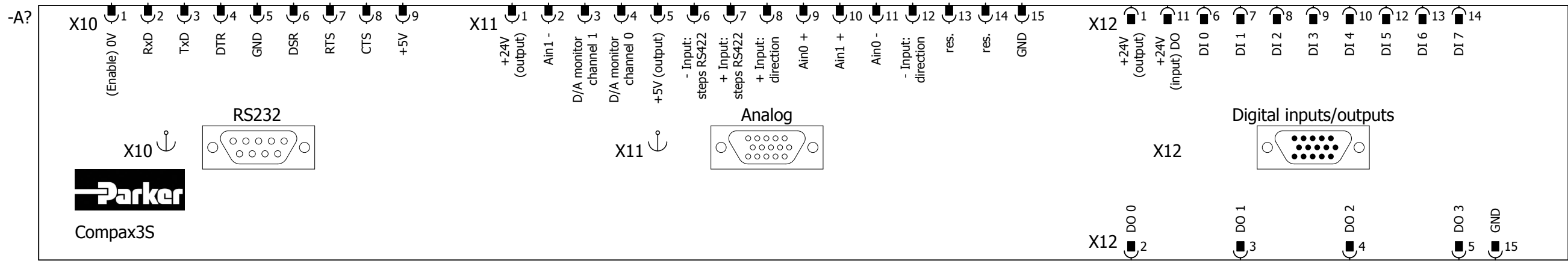
Blokeigenschaft [1]

Blokeigenschaft [2]

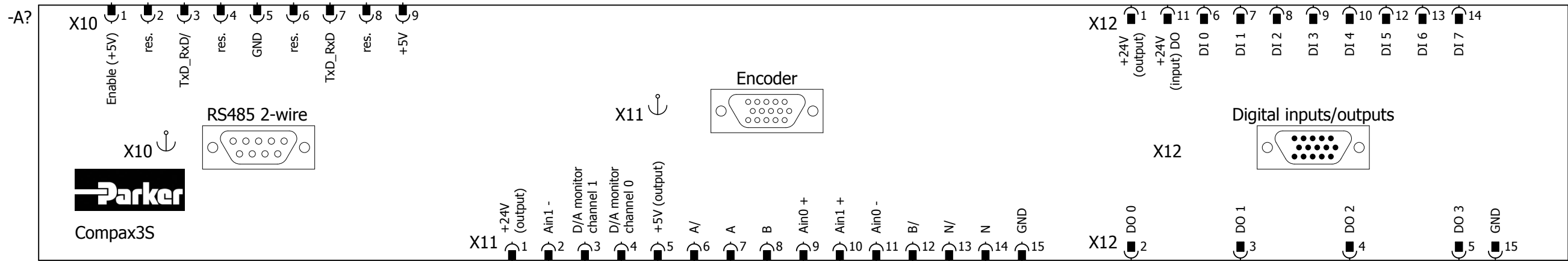


			Date	11.06.2012	Macros for Eplan Electric P8			Compax3S100V2	== PARKER	Page	3
			Ed. by	SHE					= Inverter	from	6
			Appr.						++ Compax3S		
Modification	Date	Name	Original		Replacement for	Replaced by			+ 100V2	Sheet	253 / 708

PARKER\Inverter\Compax3S\100V2\Compax3S
Servo controller
Compax3S100V2
Version 2012/03
Variante F
Allpolig

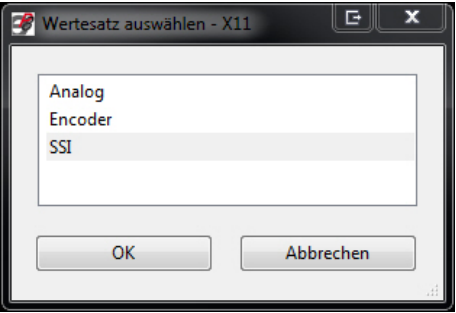
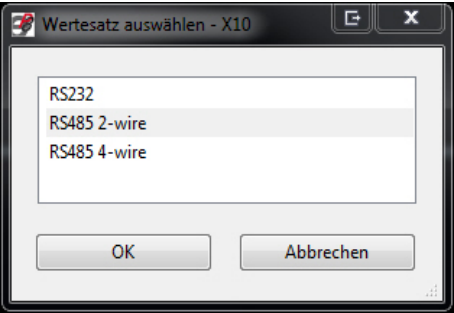
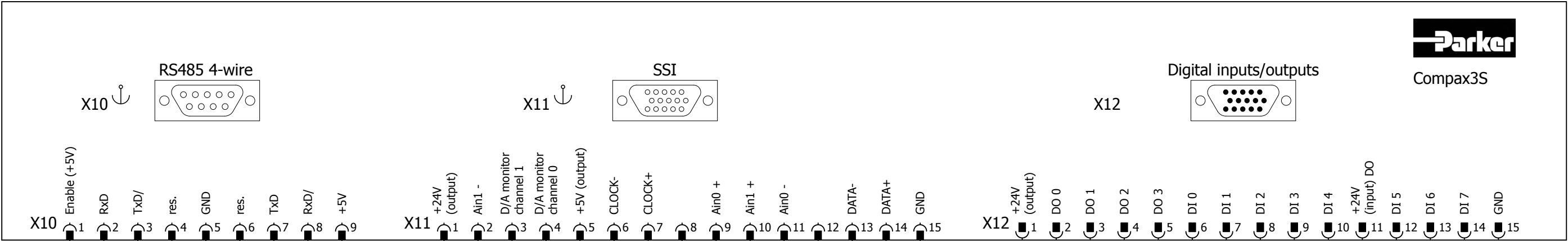


PARKER\Inverter\Compax3S\100V2\Compax3S
Servo controller
Compax3S100V2
Version 2012/03
Variante G
Allpolig

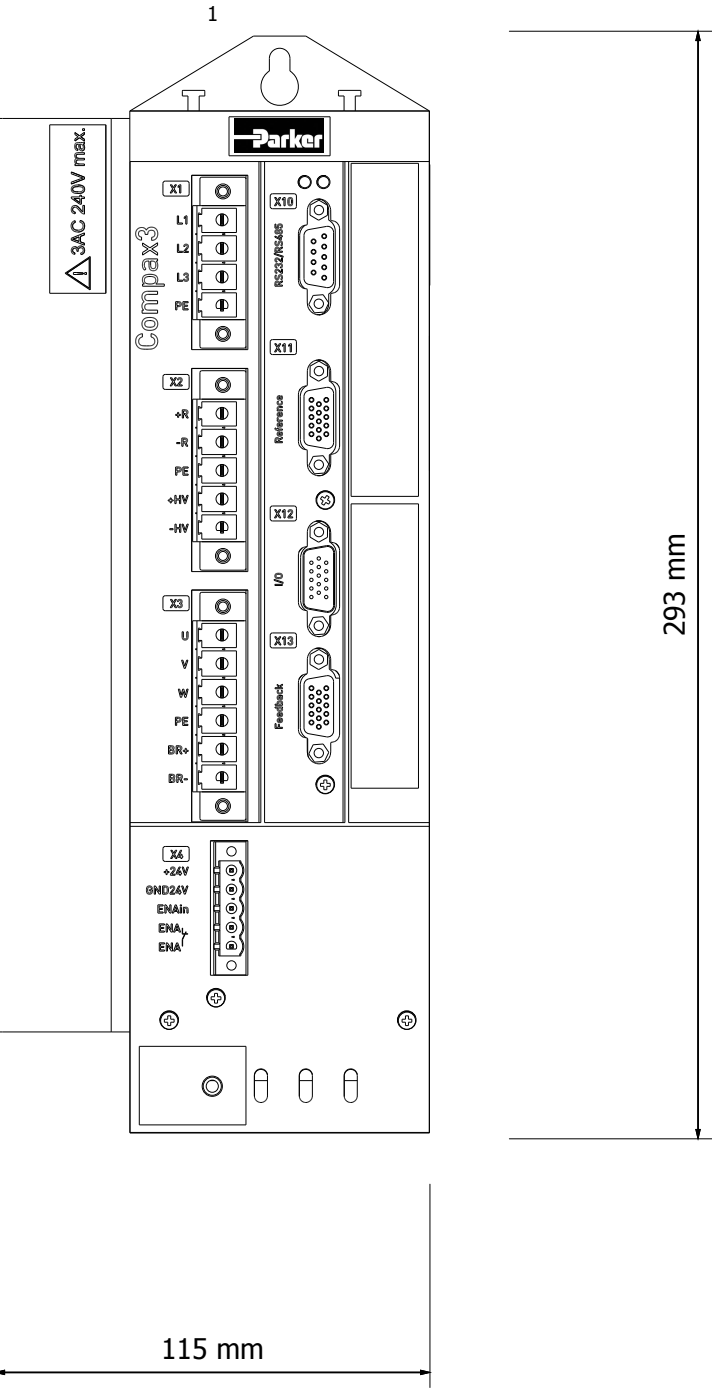


PARKER\Inverter\Compax3S\100V2\Compax3S
Servo controller
Compax3S100V2
Version 2012/03
Variante H
Allpolig

-A?



PARKER\Inverter\Compax3S\100V2\Compax3S
Servo controller
Compax3S100V2
Version 2012/03
Variante A
Schaltschranksbau



PARKER\Inverter\Compax3S\150V2\Compax3S

Servo controller

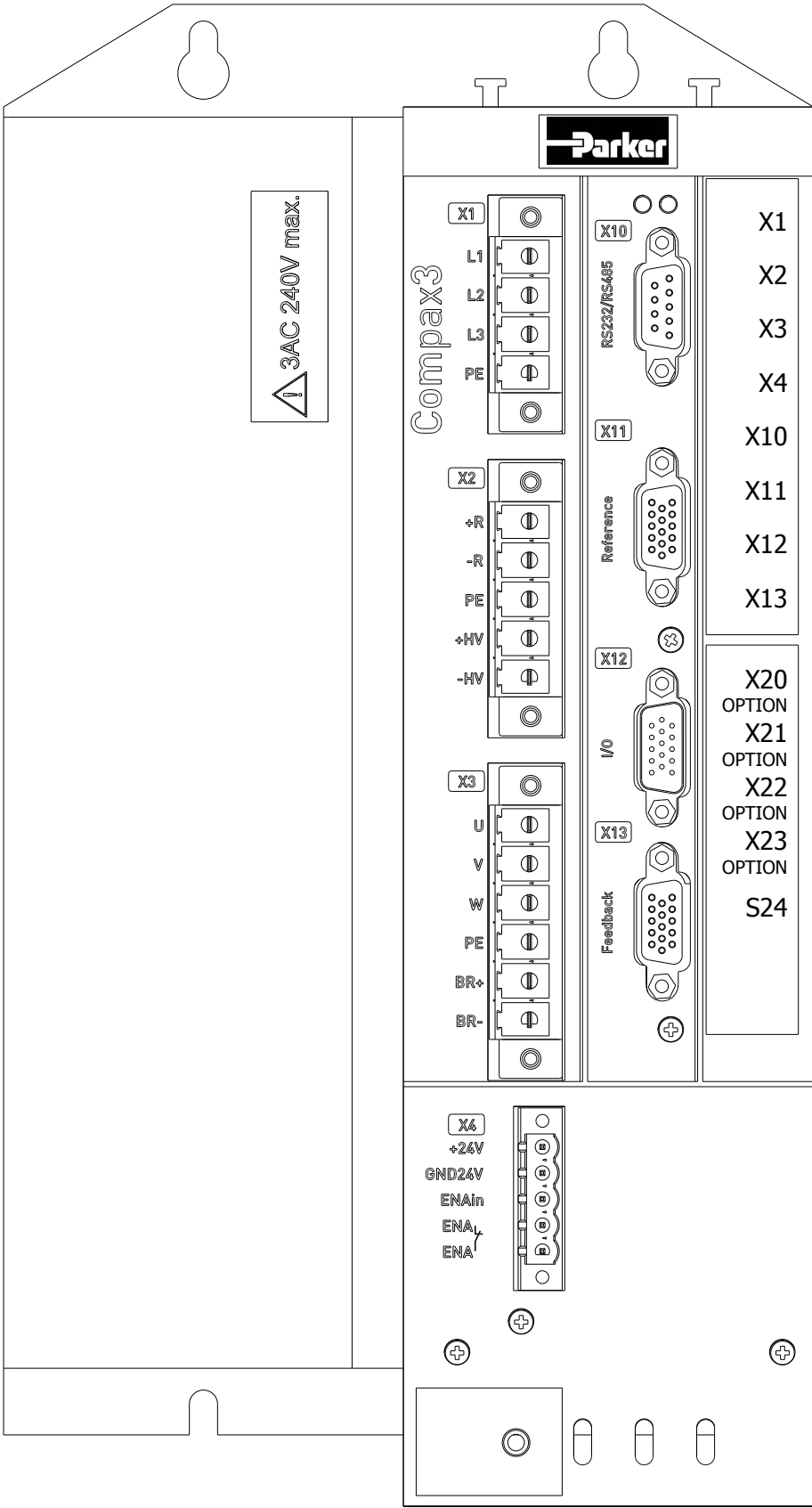
Compax3S150V2

Version 2012/03

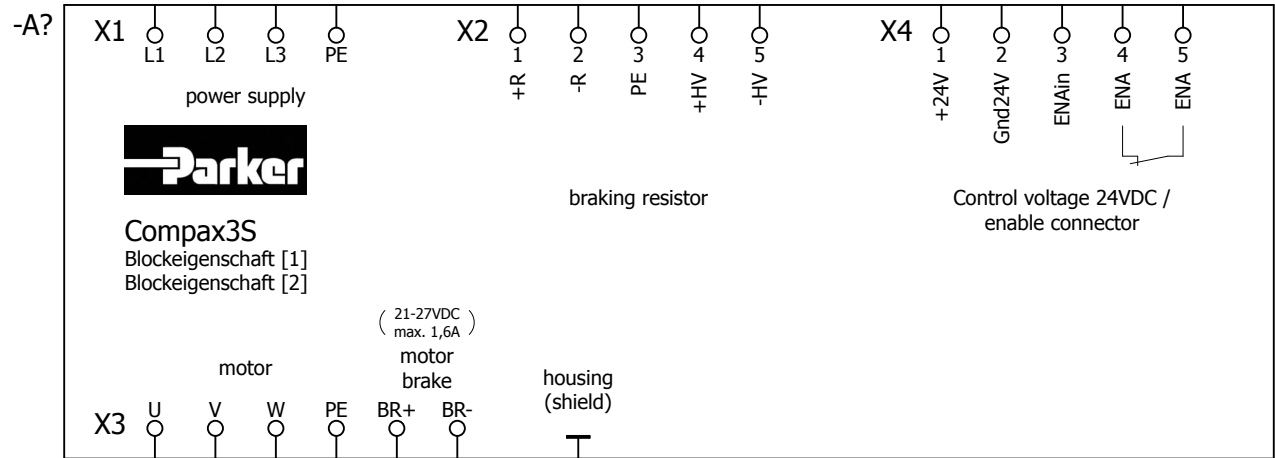
Variante A

Übersicht

-A?



PARKER\Inverter\Compax3S\150V2\Compax3S
Servo controller
Compax3S150V2
Version 2012/03
Variante A
Allpolig



X3

U

V

W

PE

BR+

BR-

motor

(21-27VDC
max. 1,6A)

motor
brake

housing
(shield)

X4

1

2

3

4

5

+24V

Gnd24V

ENAIN

ENA+

ENA-

Control voltage 24VDC /
enable connector

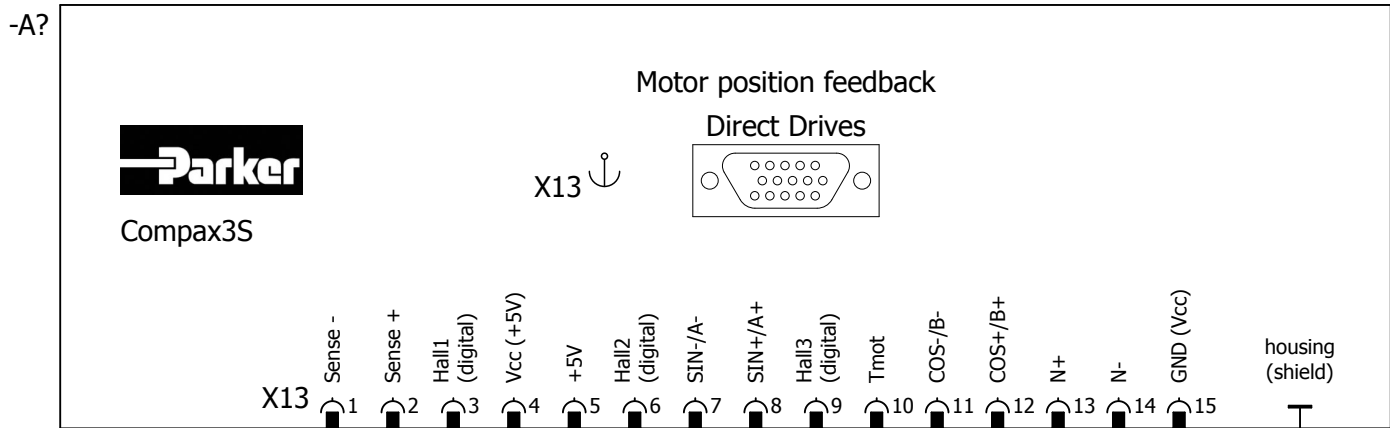
Parker

Compax3S

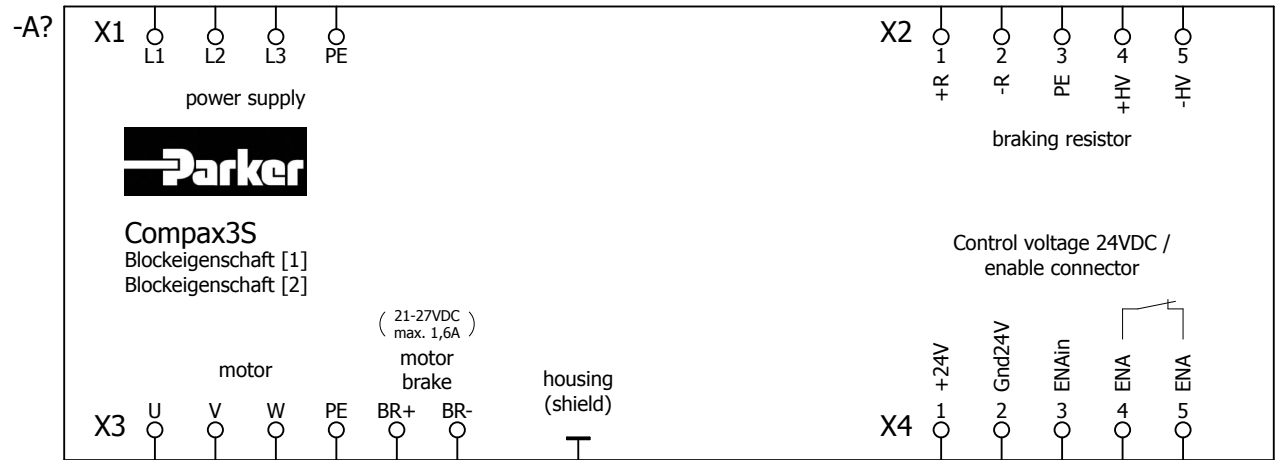
Blockeigenschaft [1]

Blockeigenschaft [2]

PARKER\Inverter\Compax3S\150V2\Compax3S
Servo controller
Compax3S150V2
Version 2012/03
Variante C
Allpolig



PARKER\Inverter\Compax3S\150V2\Compax3S
Servo controller
Compax3S150V2
Version 2012/03
Variante B
Allpolig



X3

U

V

W

PE

BR+

BR-

motor

(21-27VDC
max. 1,6A)

motor
brake

housing
(shield)

X4

1

2

3

4

5

+24V

Gnd24V

ENAIN

ENA+

ENA-

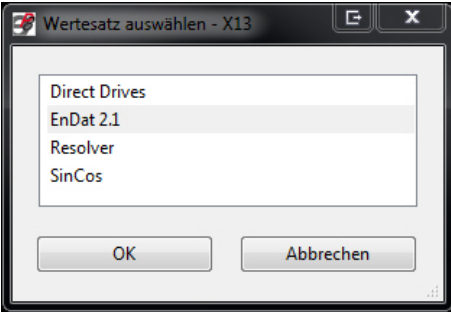
Control voltage 24VDC /
enable connector

Parker

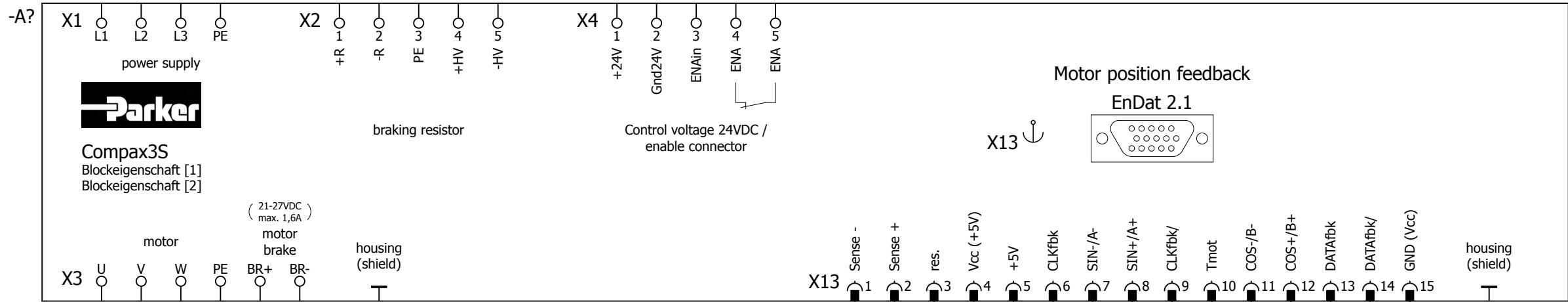
Compax3S

Blockeigenschaft [1]

Blockeigenschaft [2]



PARKER\Inverter\Compax3S\150V2\Compax3S
Servo controller
Compax3S150V2
Version 2012/03
Variante D
Allpolig



X4

1

2

3

4

5

+24V

Gnd24V

ENAIN

ENA

ENA

Control voltage 24VDC / enable connector

X3

U

V

W

PE

BR+

BR-

motor

(21-27VDC
max. 1,6A)

motor brake

housing (shield)

X13

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Sense -

Sense +

res.

Vcc (+5V)

+5V

CLKfbk

SIN-/A-

SIN+/A+

CLKfbk/

Tmot

COS-/B-

COS+/B+

DATAfbk

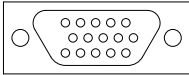
DATAfbk/

GND (Vcc)

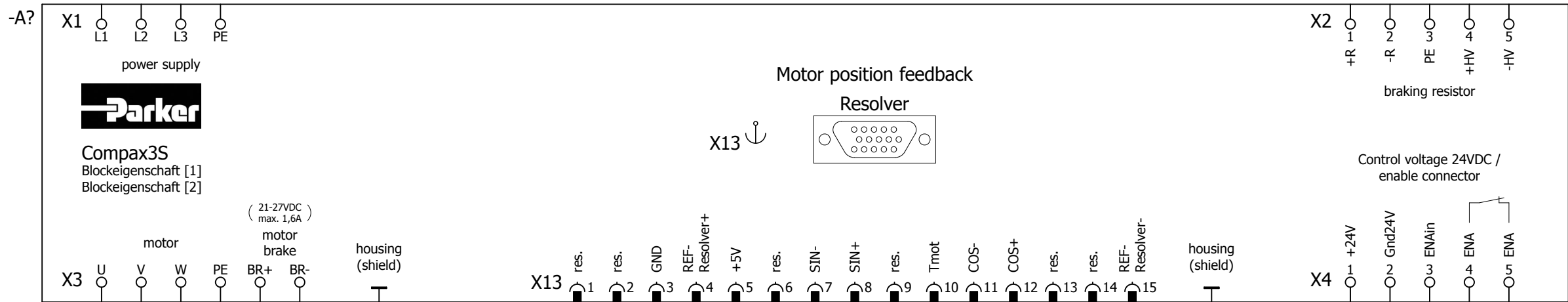
housing (shield)

Motor position feedback

EnDat 2.1



PARKER\Inverter\Compax3S\150V2\Compax3S
Servo controller
Compax3S150V2
Version 2012/03
Variante E
Allpolig



X4

1

2

3

4

5

+24V

Gnd24V

ENAIN

ENA

ENA

Control voltage 24VDC / enable connector

X3

U

V

W

PE

BR+

BR-

motor

(21-27VDC
max. 1,6A)

motor brake

housing (shield)

X13

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

res.

res.

GND

REF- Resolver+

+5V

res.

SIN-

SIN+

res.

Tmot

COS-

COS+

res.

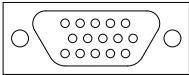
res.

REF- Resolver-

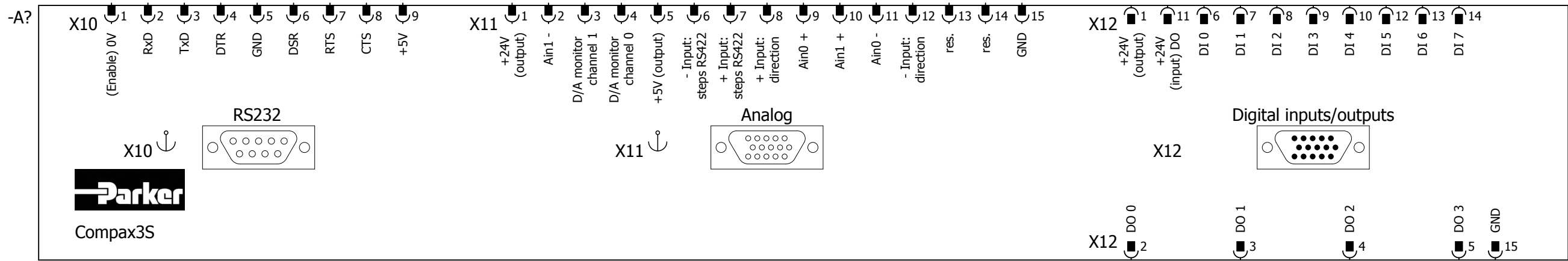
housing (shield)

Motor position feedback

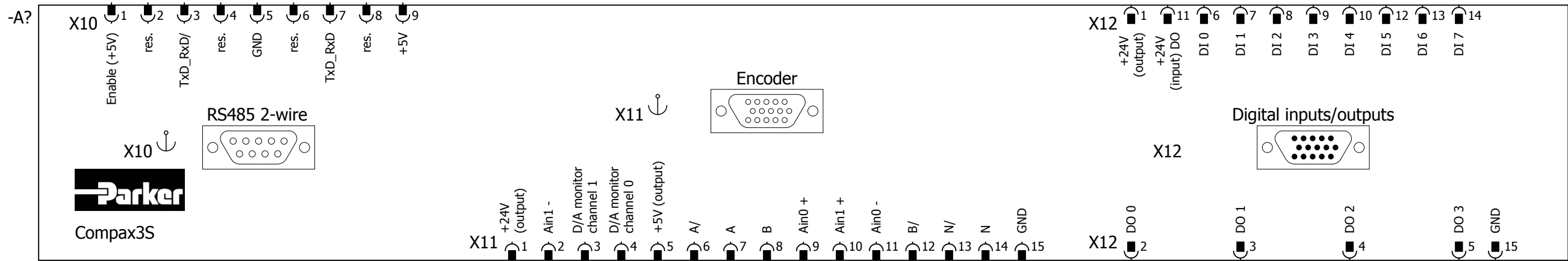
Resolver



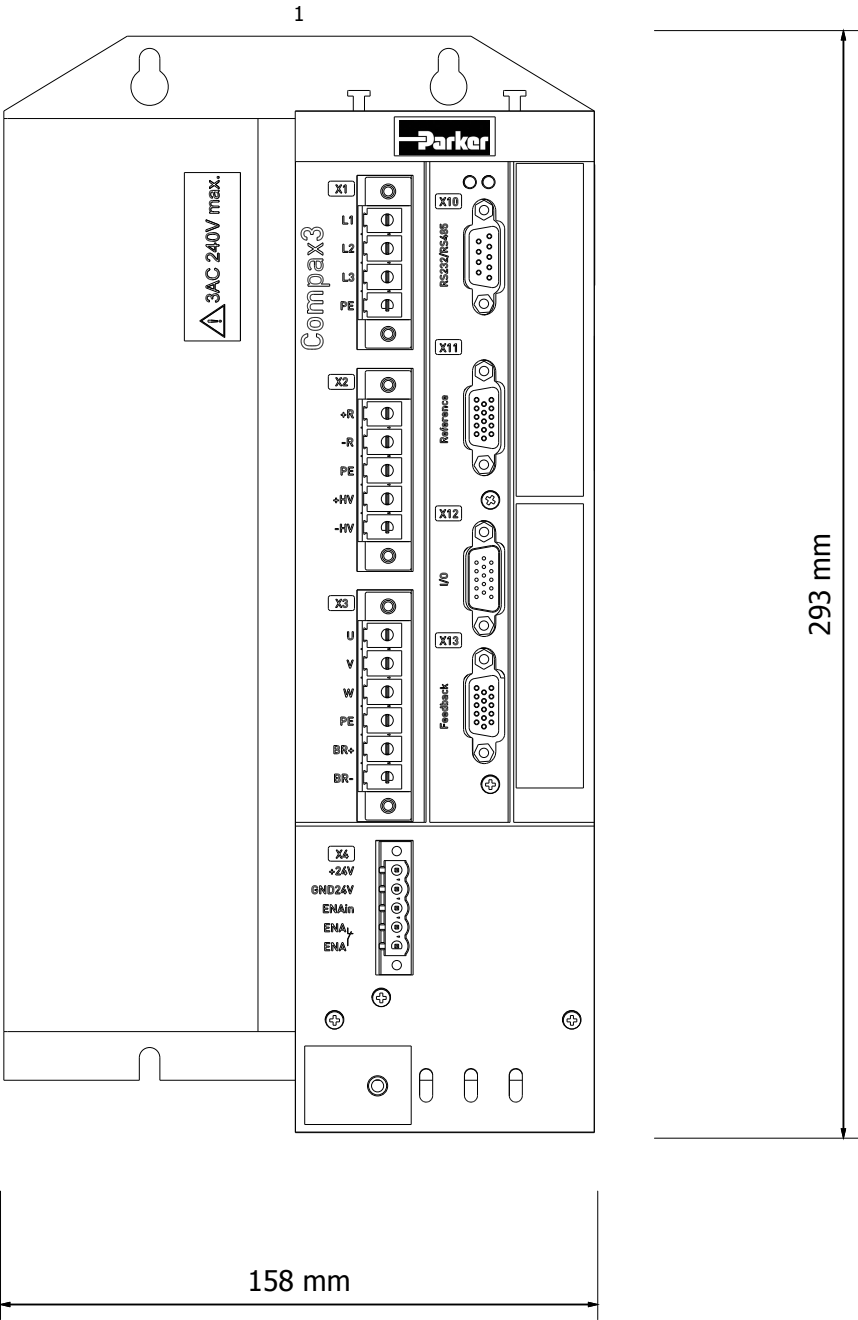
PARKER\Inverter\Compax3S\150V2\Compax3S
Servo controller
Compax3S150V2
Version 2012/03
Variante F
Allpolig



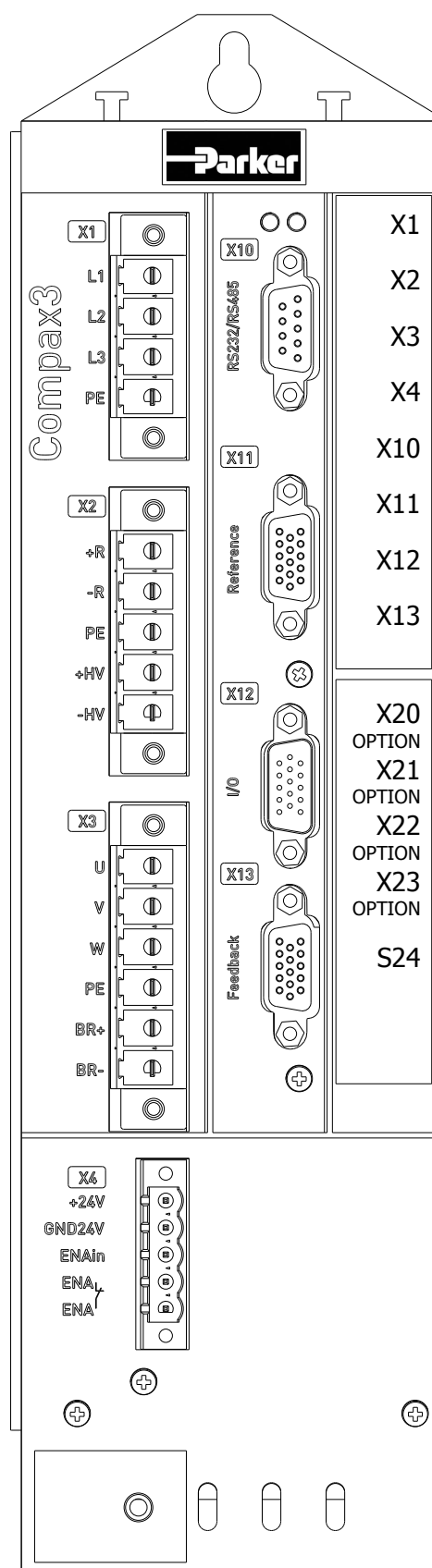
PARKER\Inverter\Compax3S\150V2\Compax3S
Servo controller
Compax3S150V2
Version 2012/03
Variante G
Allpolig



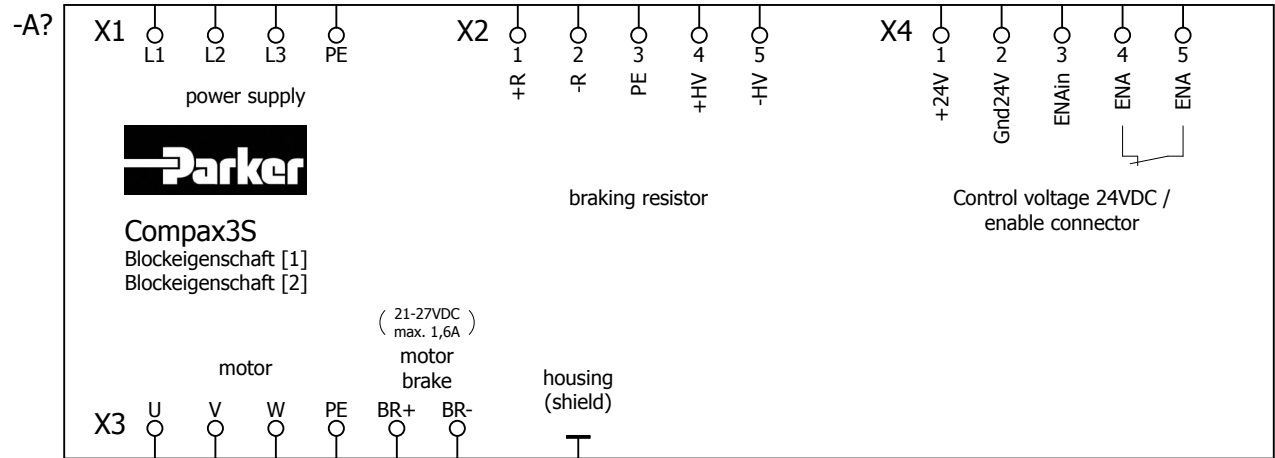
PARKER\Inverter\Compax3S\150V2\Compax3S
Servo controller
Compax3S150V2
Version 2012/03
Variante A
Schaltschrankaufbau



-A?



PARKER\Inverter\Compax3S\015V4\Compax3S
Servo controller
Compax3S015V4
Version 2012/03
Variante A
Allpolig



X3

U

V

W

PE

BR+

BR-

motor

(21-27VDC
max. 1,6A)

motor
brake

housing
(shield)

Parker

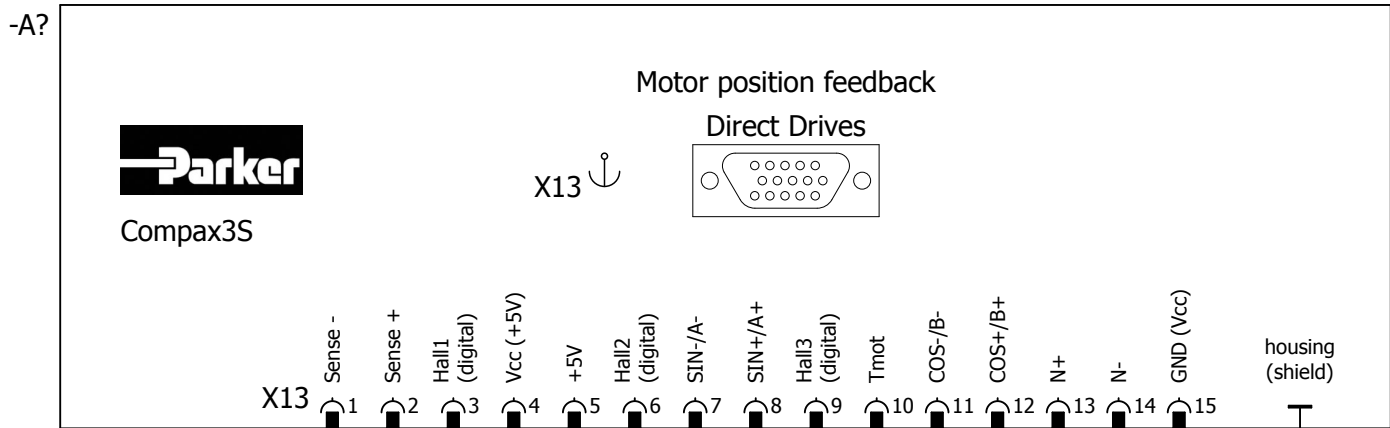
Compax3S

Blokeigenschaft [1]

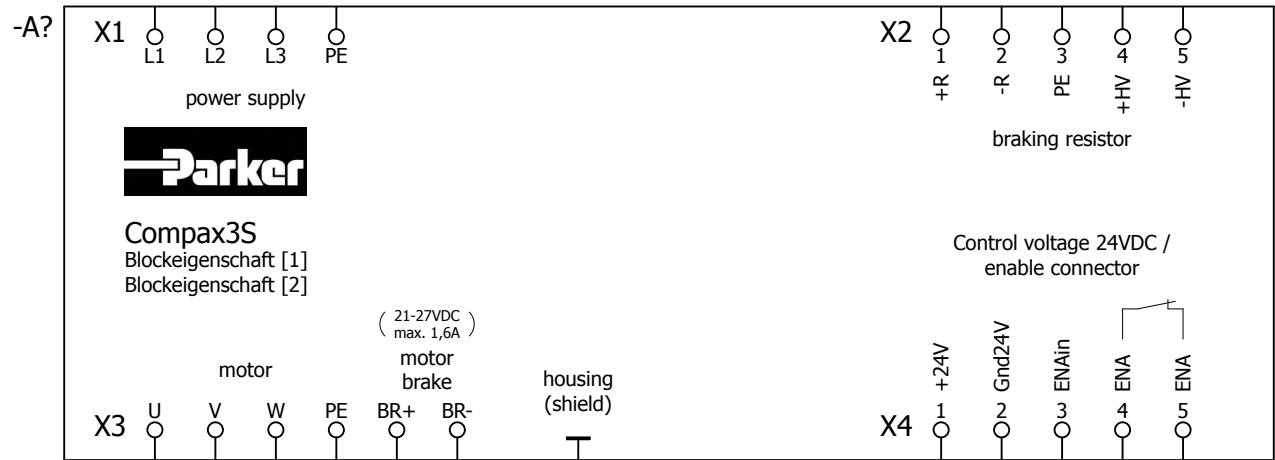
Blokeigenschaft [2]

braking resistor

PARKER\Inverter\Compax3S\015V4\Compax3S
Servo controller
Compax3S015V4
Version 2012/03
Variante C
Allpolig



PARKER\Inverter\Compax3S\015V4\Compax3S
Servo controller
Compax3S015V4
Version 2012/03
Variante B
Allpolig



X3

U

V

W

PE

BR+

BR-

motor

(21-27VDC
max. 1,6A)

motor
brake

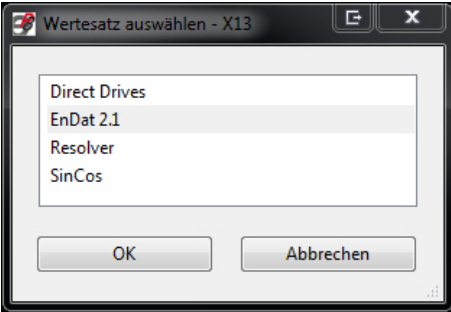
housing
(shield)

Parker

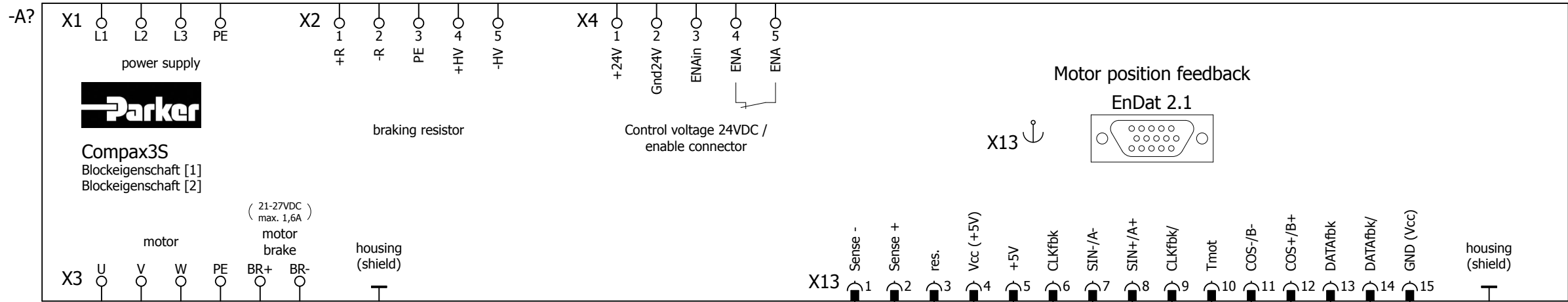
Compax3S

Blokeigenschaft [1]

Blokeigenschaft [2]



PARKER\Inverter\Compax3S\015V4\Compax3S
Servo controller
Compax3S015V4
Version 2012/03
Variante D
Allpolig



X4

1

2

3

4

5

+24V
Gnd24V
ENAIN
ENA
ENAControl voltage 24VDC /
enable connector

X3

U

V

W

PE

BR+

BR-

motor
motor
brake
(21-27VDC
max. 1,6A)
housing
(shield)

X13

1

2

3

4

5

6

7

8

9

10

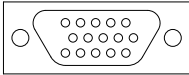
11

12

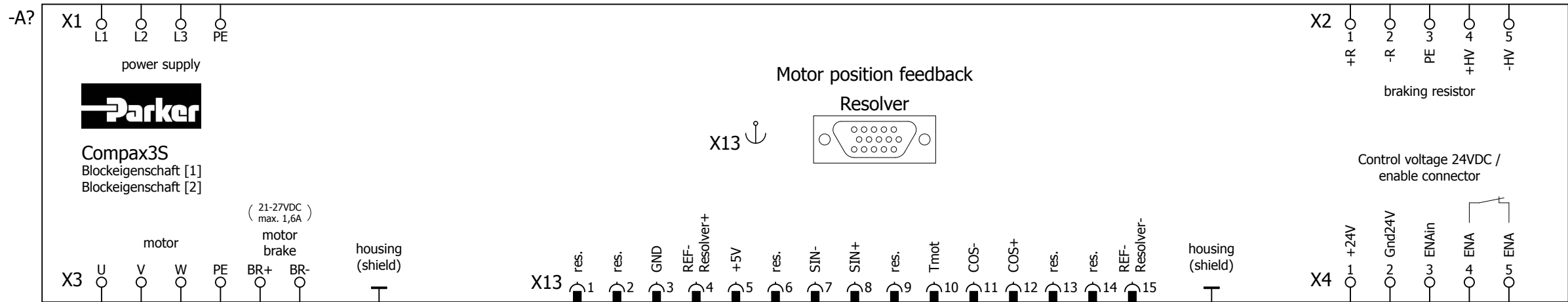
13

14

15

Sense -
Sense +
res.
Vcc (+5V)
+5V
CLKfbk
SIN-/A-
SIN+/A+
CLKfbk/
Tmot
COS-/B-
COS+/B+
DATAfbk
DATAfbk/
GND (Vcc)
housing
(shield)Motor position feedback
EnDat 2.1

PARKER\Inverter\Compax3S\015V4\Compax3S
Servo controller
Compax3S015V4
Version 2012/03
Variante E
Allpolig



X4

1

2

3

4

5

+24V
Gnd24V
ENAIN
ENA
ENAControl voltage 24VDC /
enable connector

X3

U

V

W

PE

BR+

BR-

motor
motor
brake
(21-27VDC
max. 1,6A)
housing
(shield)

X13

1

2

3

4

5

6

7

8

9

10

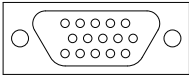
11

12

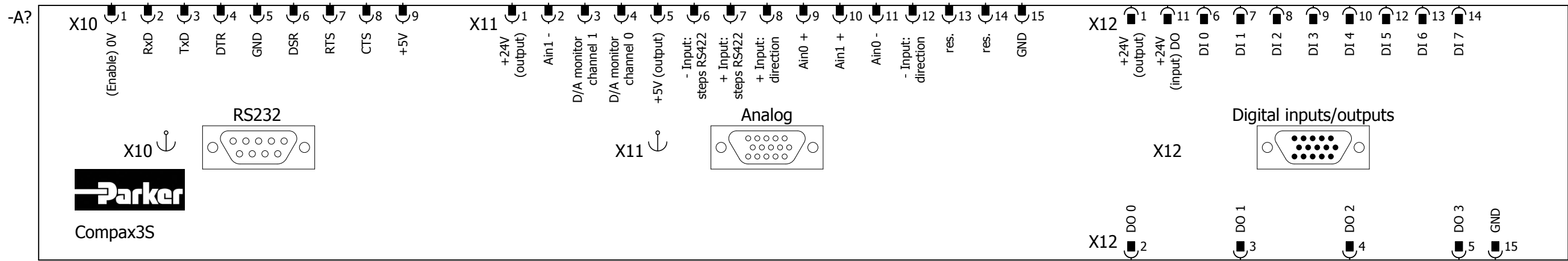
13

14

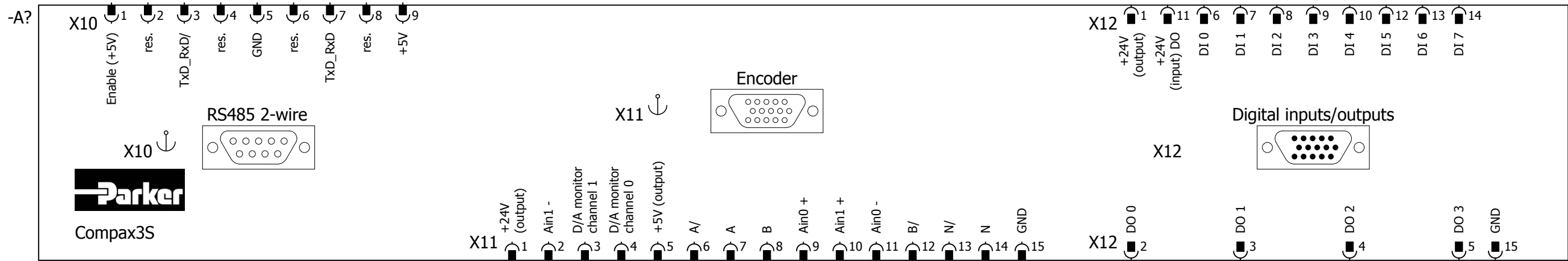
15

res.
res.
GND
REF-
Resolver+
+5V
res.
SIN-
SIN+
res.
Tmot
COS-
COS+
res.
res.
REF-
Resolver-
housing
(shield)Motor position feedback
Resolver

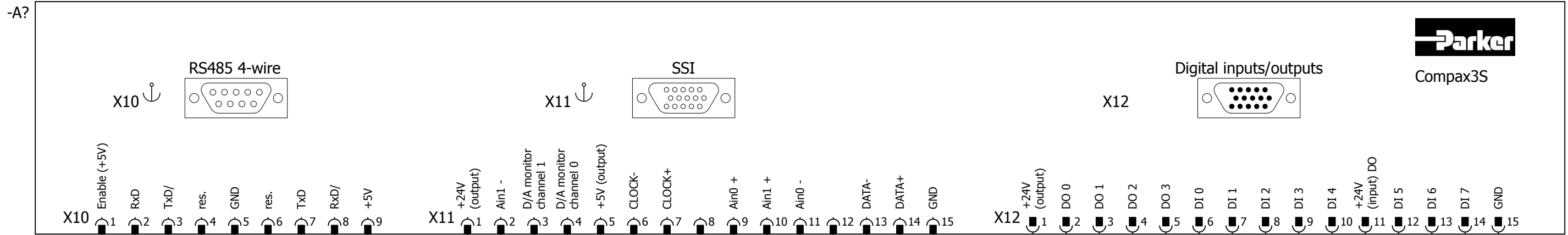
PARKER\Inverter\Compax3S\015V4\Compax3S
Servo controller
Compax3S015V4
Version 2012/03
Variante F
Allpolig



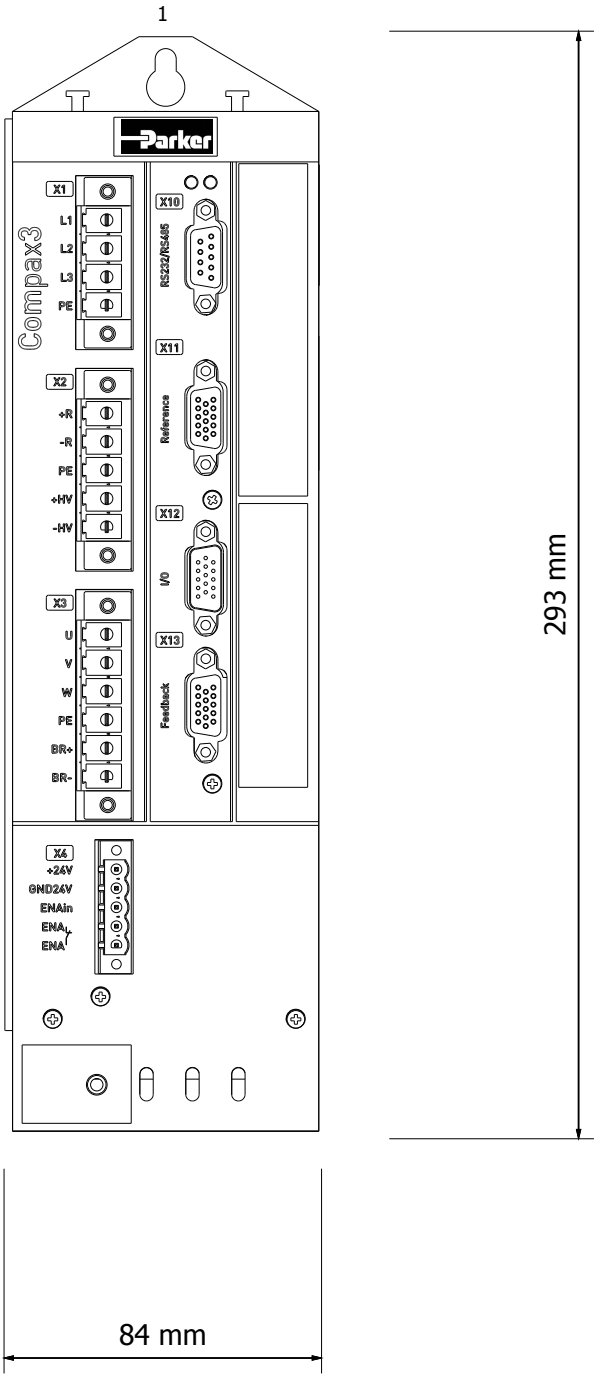
PARKER\Inverter\Compax3S\015V4\Compax3S
Servo controller
Compax3S015V4
Version 2012/03
Variante G
Allpolig



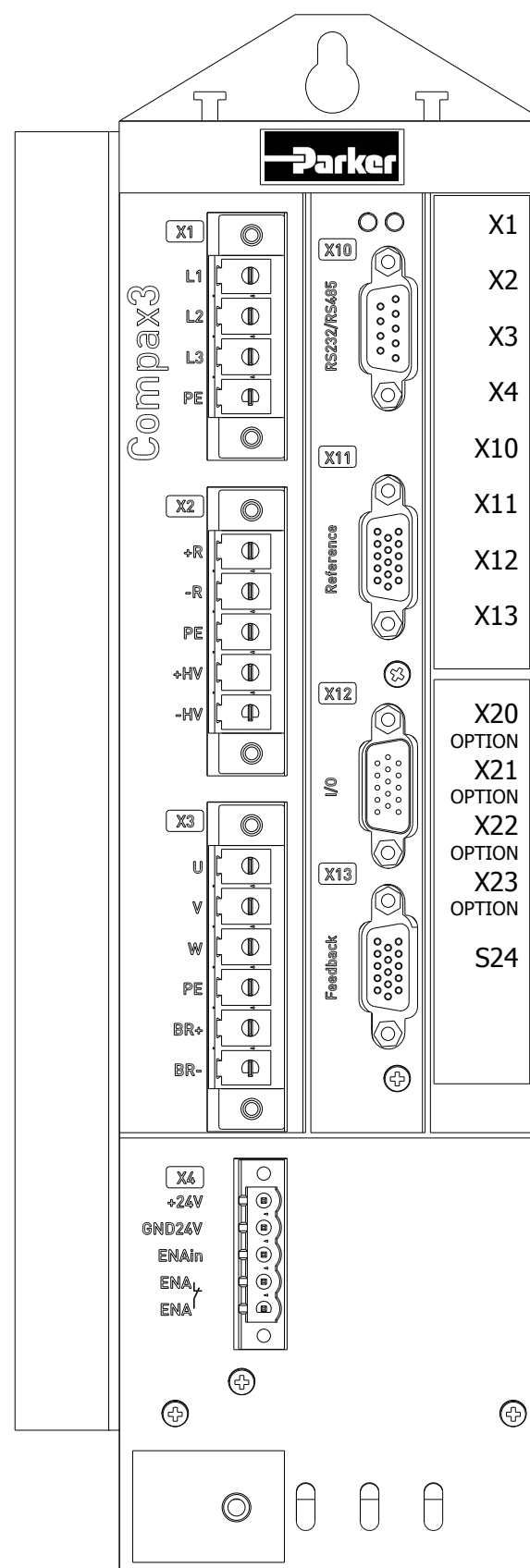
PARKER\Inverter\Compax3S\015V4\Compax3S
Servo controller
Compax3S015V4
Version 2012/03
Variante H
Allpolig



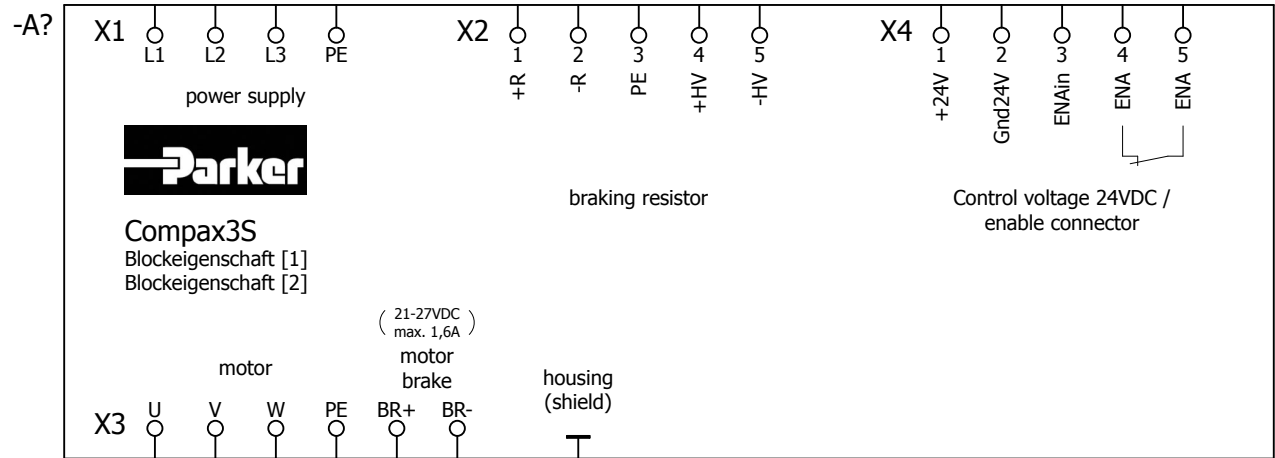
PARKER\Inverter\Compax3S\015V4\Compax3S
Servo controller
Compax3S015V4
Version 2012/03
Variante A
Schaltschrankaufbau



-A?



PARKER\Inverter\Compax3S\038V4\Compax3S
Servo controller
Compax3S038V4
Version 2012/03
Variante A
Allpolig



X3

U

V

W

PE

BR+

BR-

motor

(21-27VDC
max. 1,6A)motor
brakehousing
(shield)

X4

1

2

3

4

5

+24V

Gnd24V

ENAIN

ENA+

ENA-

Control voltage 24VDC /
enable connector

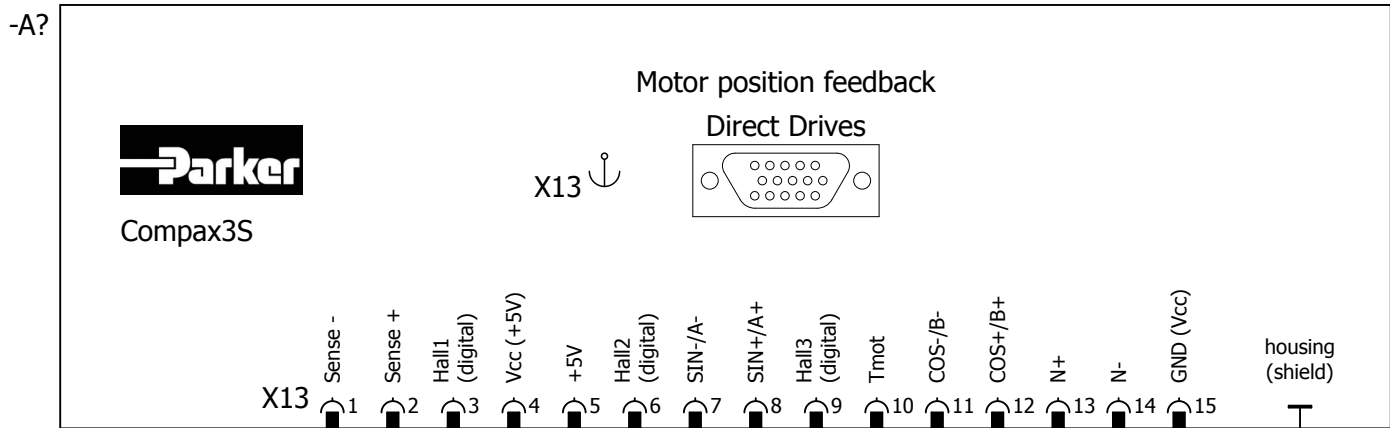
Parker

Compax3S

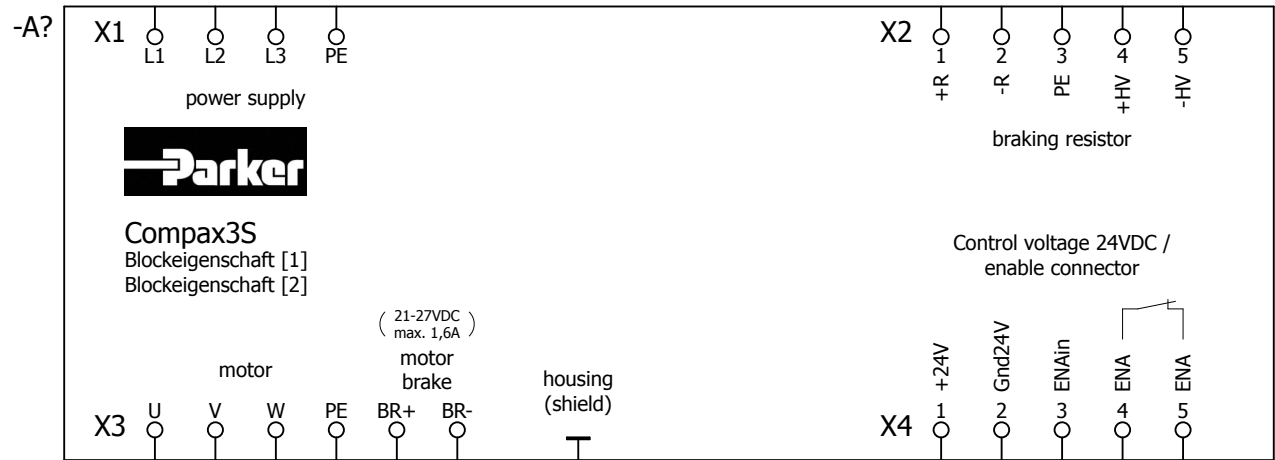
Blockeigenschaft [1]

Blockeigenschaft [2]

PARKER\Inverter\Compax3S\038V4\Compax3S
Servo controller
Compax3S038V4
Version 2012/03
Variante C
Allpolig



PARKER\Inverter\Compax3S\038V4\Compax3S
Servo controller
Compax3S038V4
Version 2012/03
Variante B
Allpolig



X3

U

V

W

PE

BR+

BR-

motor

(21-27VDC
max. 1,6A)motor
brakehousing
(shield)

X4

1

2

3

4

5

+24V

Gnd24V

ENAIN

ENA+

ENA-

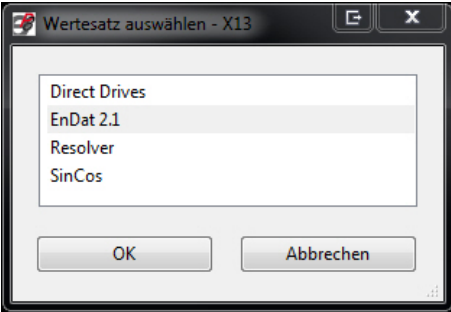
Control voltage 24VDC /
enable connector

Parker

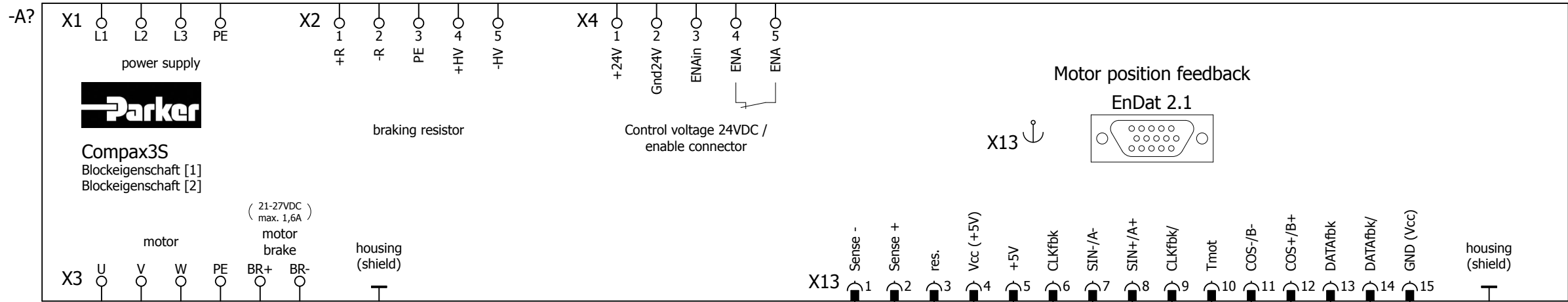
Compax3S

Blockeigenschaft [1]

Blockeigenschaft [2]



PARKER\Inverter\Compax3S\038V4\Compax3S
Servo controller
Compax3S038V4
Version 2012/03
Variante D
Allpolig



X4

1

2

3

4

5

+24V

Gnd24V

ENAIN

ENA

ENA

Control voltage 24VDC / enable connector

X3

U

V

W

PE

BR+

BR-

motor

(21-27VDC
max. 1,6A)

motor brake

housing (shield)

X13

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Sense -

Sense +

res.

Vcc (+5V)

+5V

CLKfbk

SIN-/A-

SIN+/A+

CLKfbk/

Tmot

COS-/B-

COS+/B+

DATAfbk

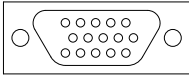
DATAfbk/

GND (Vcc)

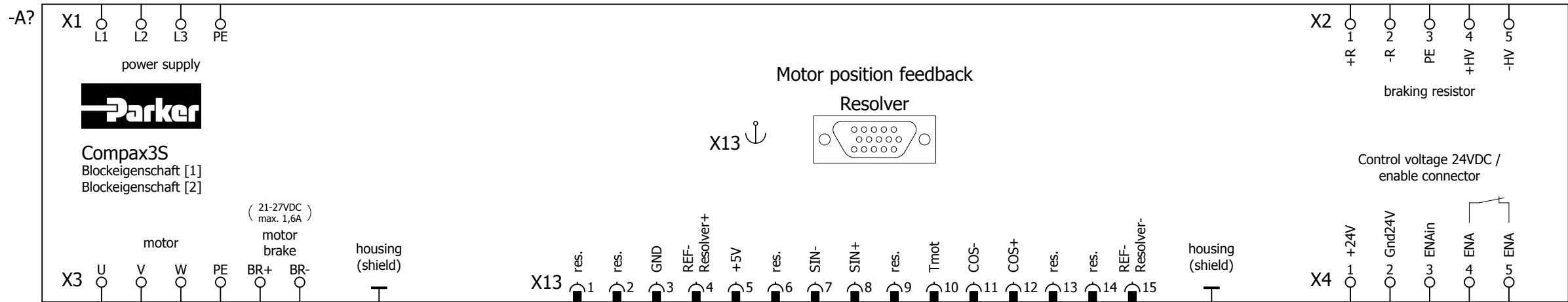
housing (shield)

Motor position feedback

EnDat 2.1



PARKER\Inverter\Compax3S\038V4\Compax3S
Servo controller
Compax3S038V4
Version 2012/03
Variante E
Allpolig



X4

1

2

3

4

5

+24V

Gnd24V

ENAIN

ENA

ENA

Control voltage 24VDC / enable connector

X3

U

V

W

PE

BR+

BR-

motor

(21-27VDC
max. 1,6A)

motor brake

housing (shield)

X13

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

res.

res.

GND

REF- Resolver+

+5V

res.

SIN-

SIN+

res.

Tmot

COS-

COS+

res.

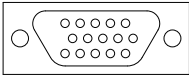
res.

REF- Resolver-

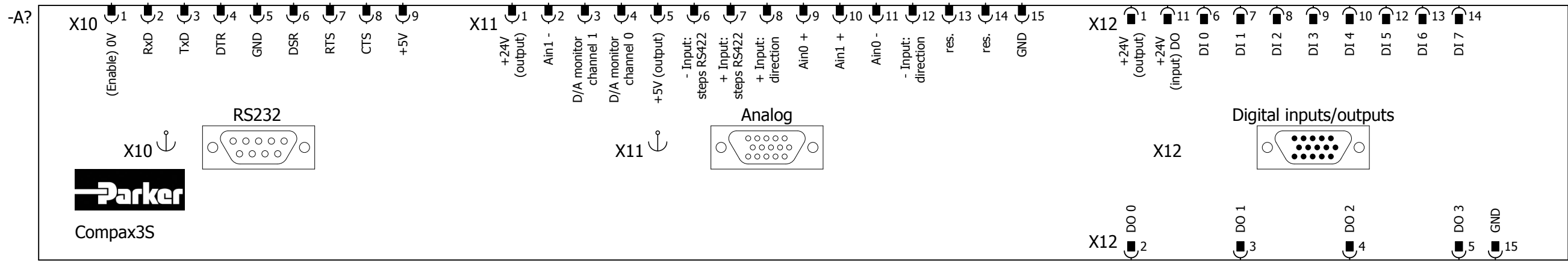
housing (shield)

Motor position feedback

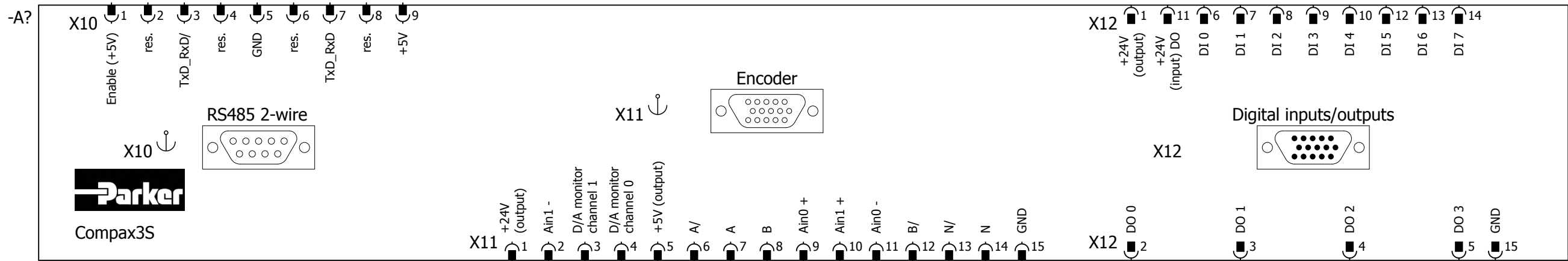
Resolver



PARKER\Inverter\Compax3S\038V4\Compax3S
Servo controller
Compax3S038V4
Version 2012/03
Variante F
Allpolig

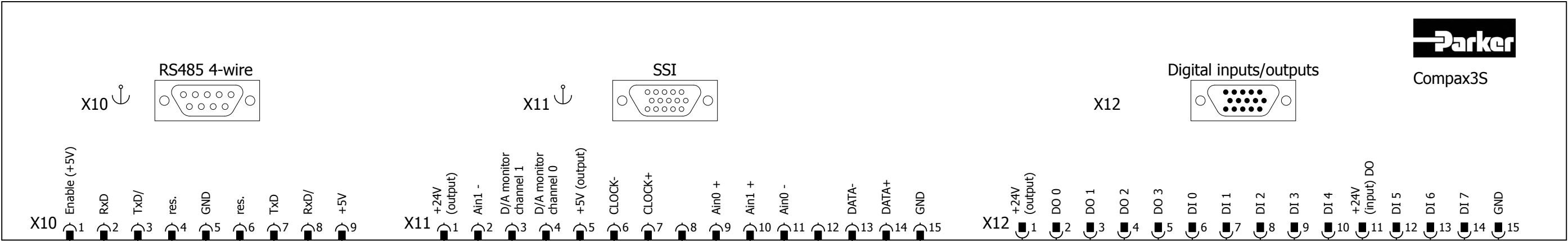


PARKER\Inverter\Compax3S\038V4\Compax3S
Servo controller
Compax3S038V4
Version 2012/03
Variante G
Allpolig

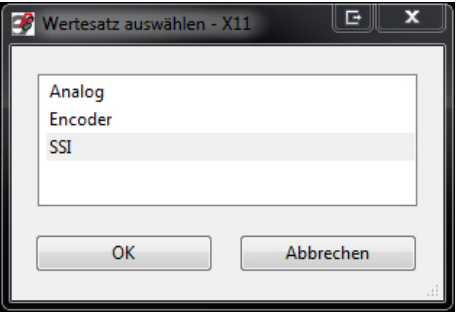
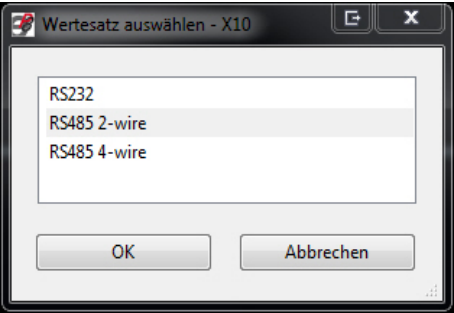


PARKER\Inverter\Compax3S\038V4\Compax3S
Servo controller
Compax3S038V4
Version 2012/03
Variante H
Allpolig

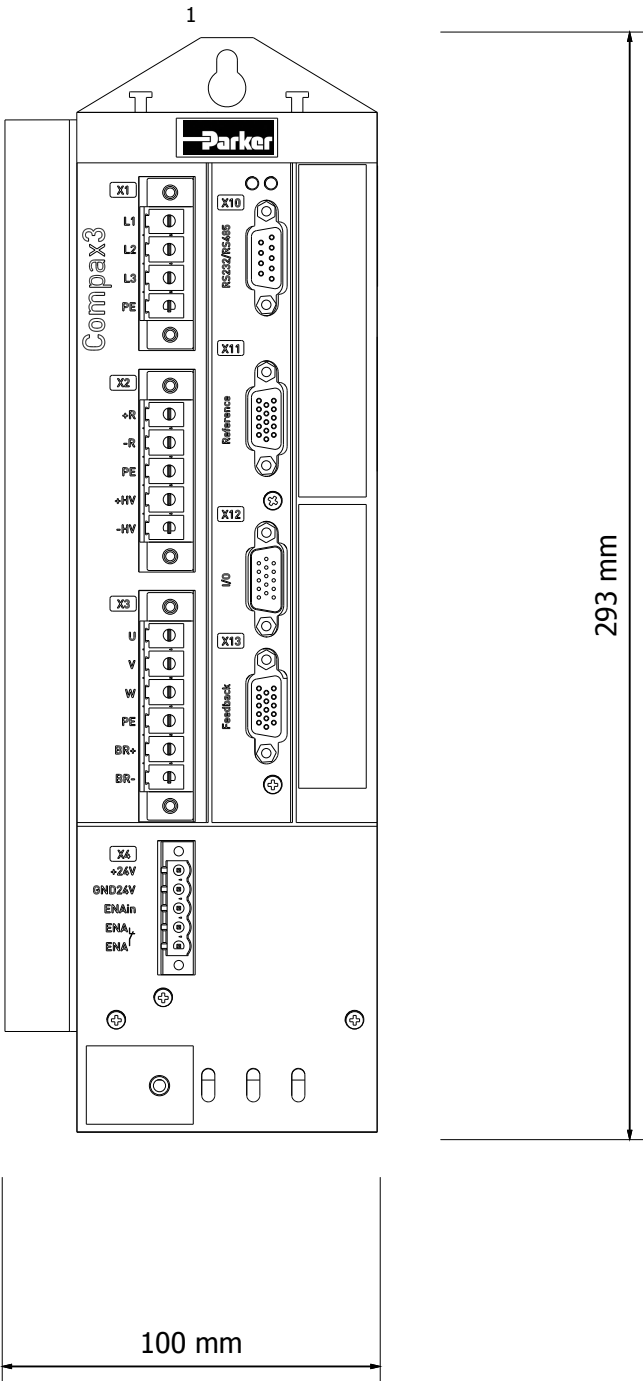
-A?



Compax3S



PARKER\Inverter\Compax3S\038V4\Compax3S
Servo controller
Compax3S038V4
Version 2012/03
Variante A
Schaltschrankaufbau



PARKER\Inverter\Compax3S\075V4\Compax3S

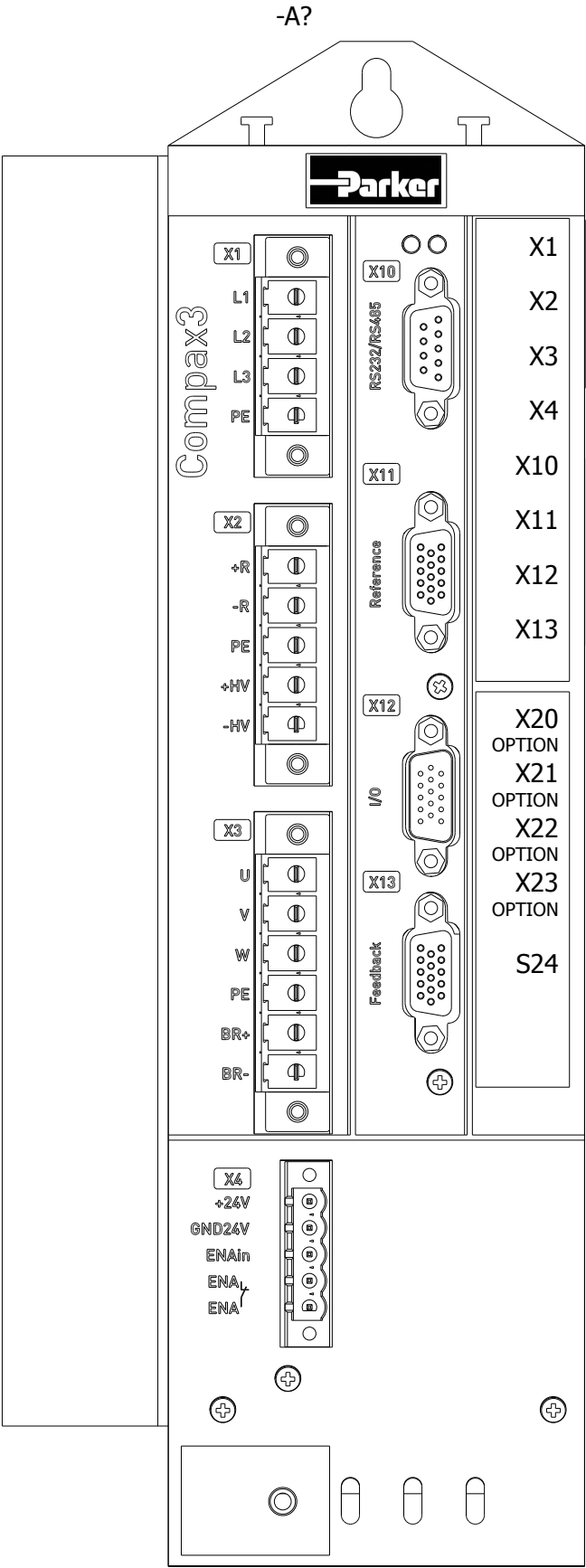
Servo controller

Compax3S075V4

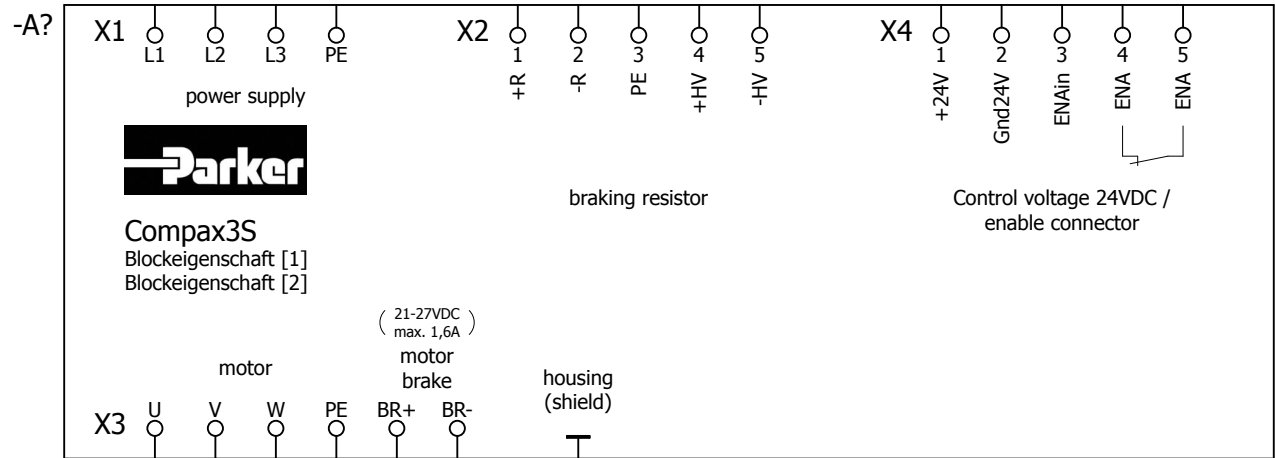
Version 2012/03

Variante A

Übersicht



PARKER\Inverter\Compax3S\075V4\Compax3S
Servo controller
Compax3S075V4
Version 2012/03
Variante A
Allpolig



X3

U

V

W

PE

BR+

BR-

motor

(21-27VDC
max. 1,6A)
motor
brake

housing
(shield)

braking resistor

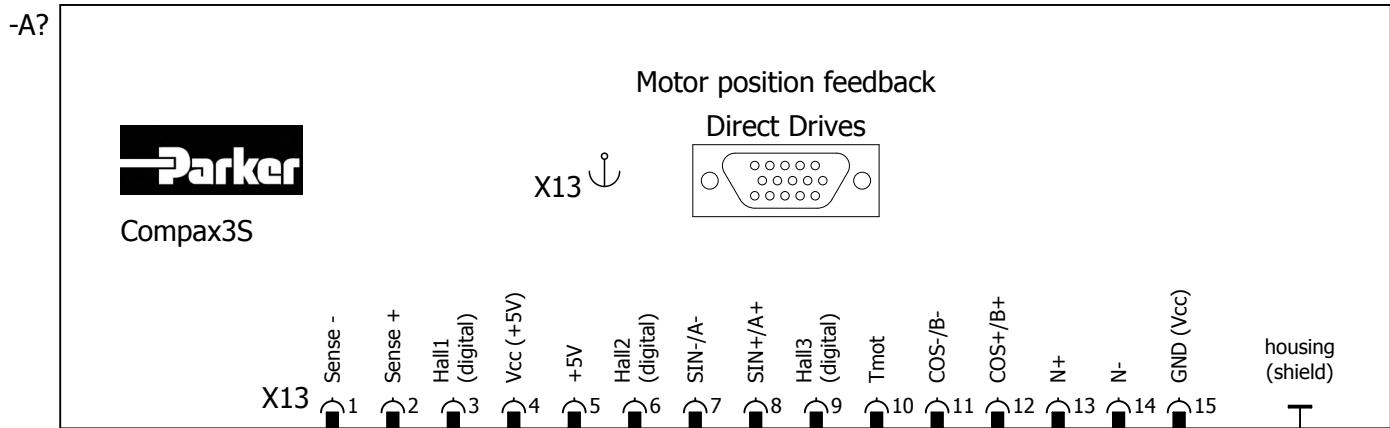
Parker

Compax3S

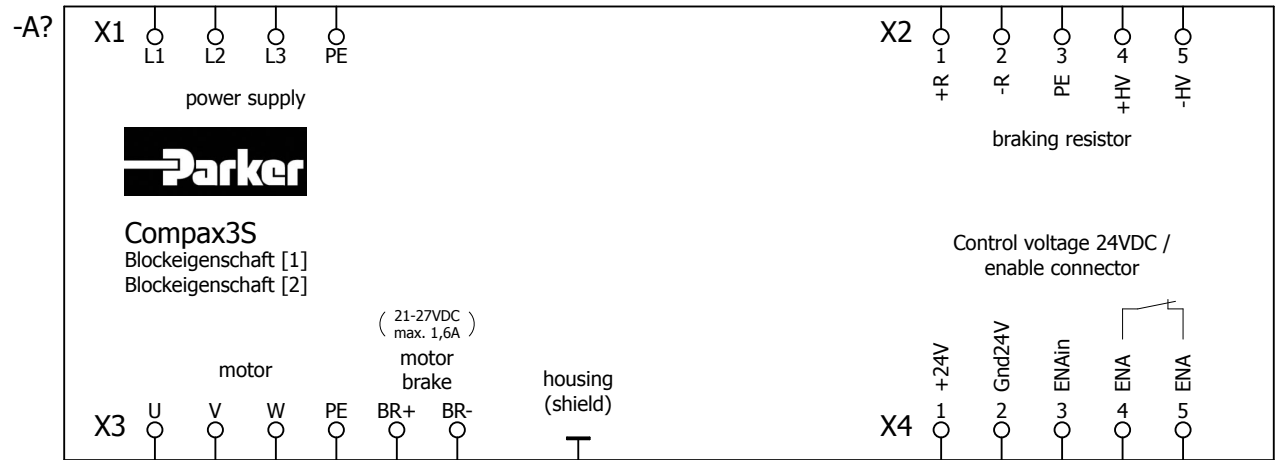
Blokeigenschaft [1]

Blokeigenschaft [2]

PARKER\Inverter\Compax3S\075V4\Compax3S
Servo controller
Compax3S075V4
Version 2012/03
Variante C
Allpolig



PARKER\Inverter\Compax3S\075V4\Compax3S
Servo controller
Compax3S075V4
Version 2012/03
Variante B
Allpolig



X3

U

V

W

PE

BR+

BR-

motor

(21-27VDC
max. 1,6A)
motor
brake

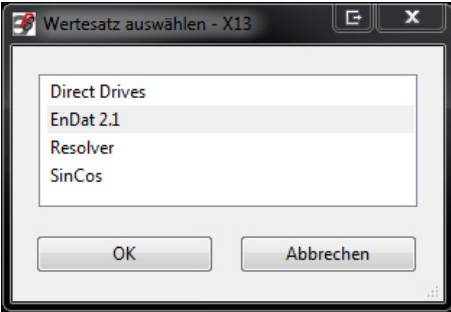
housing
(shield)

Parker

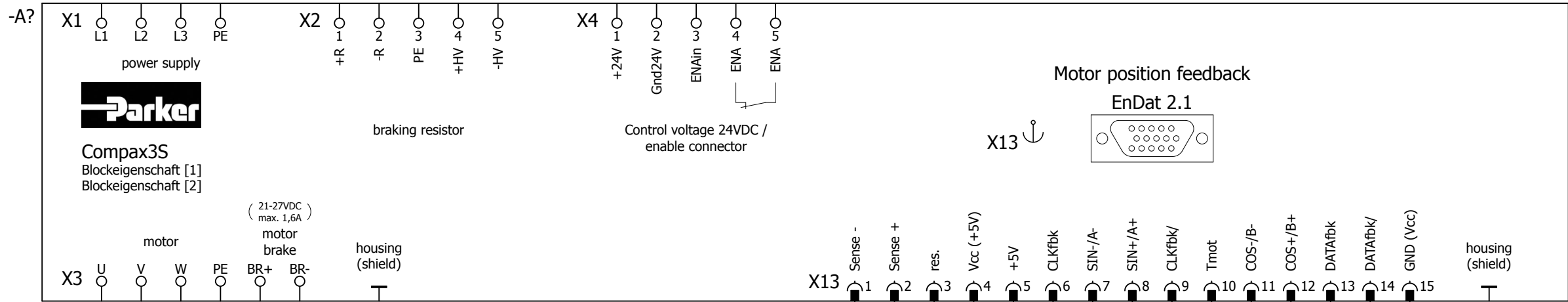
Compax3S

Blokeigenschaft [1]

Blokeigenschaft [2]



PARKER\Inverter\Compax3S\075V4\Compax3S
Servo controller
Compax3S075V4
Version 2012/03
Variante D
Allpolig



X4

1

2

3

4

5

+24V

Gnd24V

ENAIN

ENA

ENA

Control voltage 24VDC / enable connector

X3

U

V

W

PE

BR+

BR-

motor

(21-27VDC
max. 1,6A)

motor brake

housing (shield)

X13

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Sense -

Sense +

res.

Vcc (+5V)

+5V

CLKfbk

SIN-/A-

SIN+/A+

CLKfbk/

Tmot

COS-/B-

COS+/B+

DATAfbk

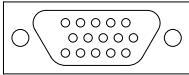
DATAfbk/

GND (Vcc)

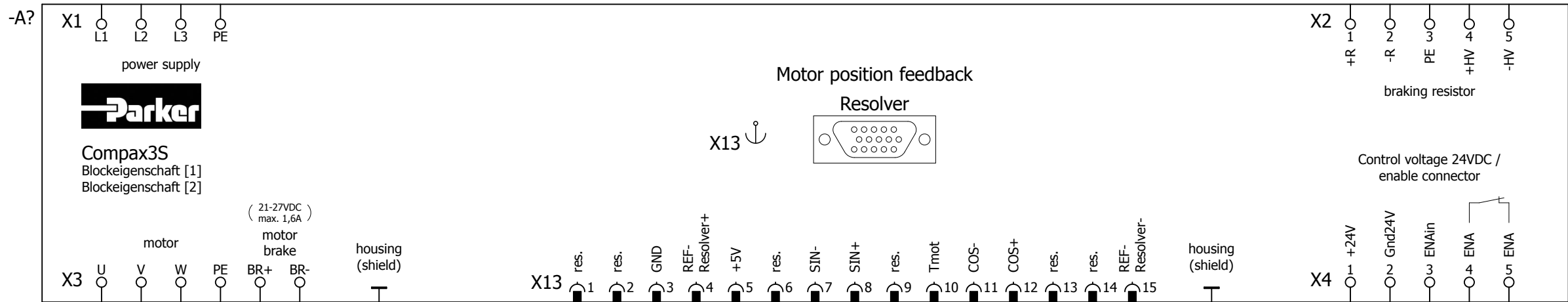
housing (shield)

Motor position feedback

EnDat 2.1



PARKER\Inverter\Compax3S\075V4\Compax3S
Servo controller
Compax3S075V4
Version 2012/03
Variante E
Allpolig



X4

1

2

3

4

5

+24V

Gnd24V

ENAIN

ENA

ENA

Control voltage 24VDC / enable connector

X3

U

V

W

PE

BR+

BR-

motor

(21-27VDC
max. 1,6A)

motor brake

housing (shield)

X13

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

res.

res.

GND

REF- Resolver+

+5V

res.

SIN-

SIN+

res.

Tmot

COS-

COS+

res.

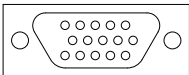
res.

REF- Resolver-

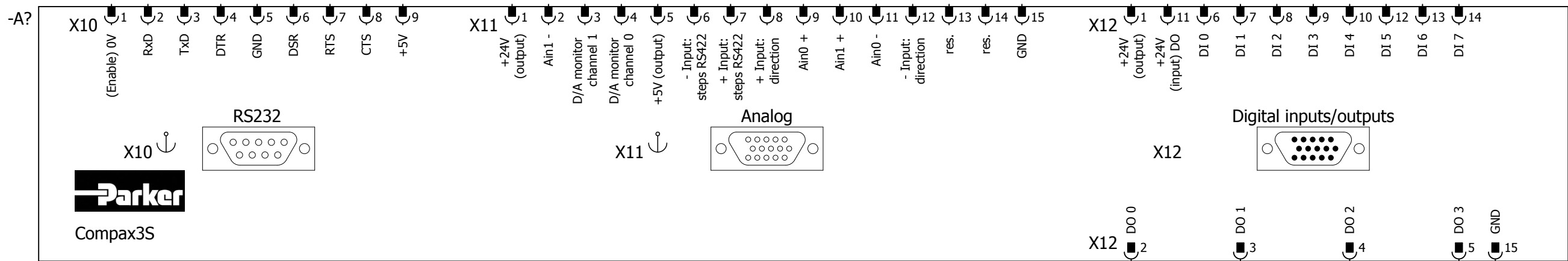
housing (shield)

Motor position feedback

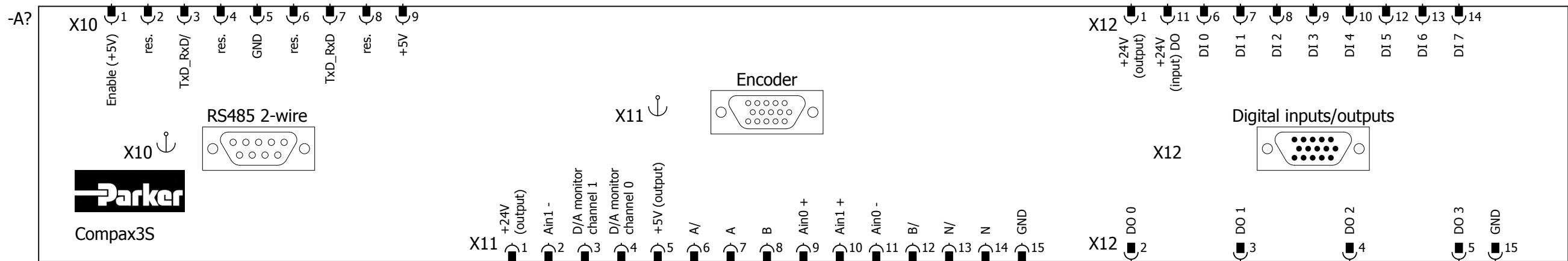
Resolver



PARKER\Inverter\Compax3S\075V4\Compax3S
Servo controller
Compax3S075V4
Version 2012/03
Variante F
Allpolig

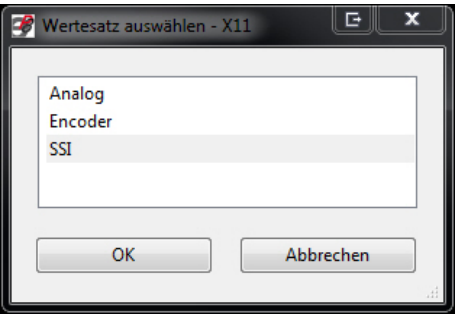
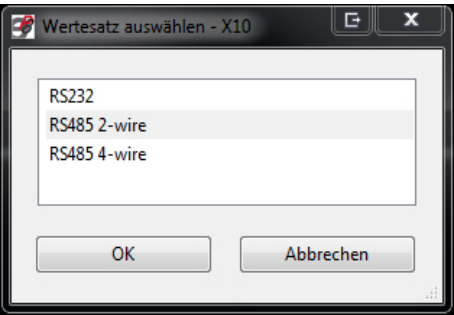
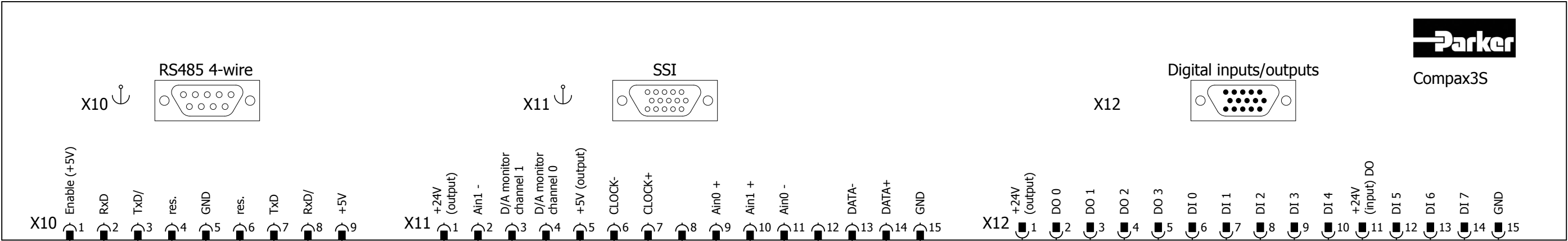


PARKER\Inverter\Compax3S\075V4\Compax3S
Servo controller
Compax3S075V4
Version 2012/03
Variante G
Allpolig

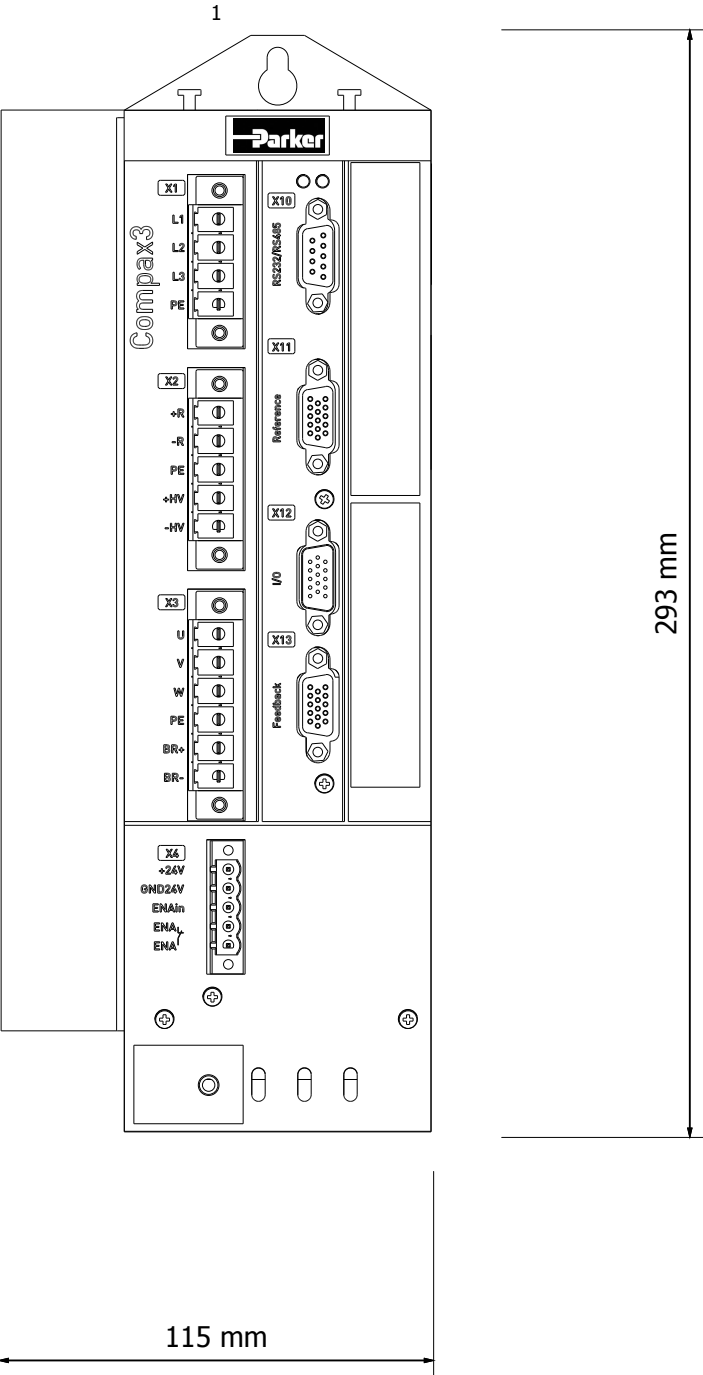


PARKER\Inverter\Compax3S\075V4\Compax3S
Servo controller
Compax3S075V4
Version 2012/03
Variante H
Allpolig

-A?



PARKER\Inverter\Compax3S\075V4\Compax3S
Servo controller
Compax3S075V4
Version 2012/03
Variante A
Schaltschrankaufbau



PARKER\Inverter\Compax3S\150V4\Compax3S

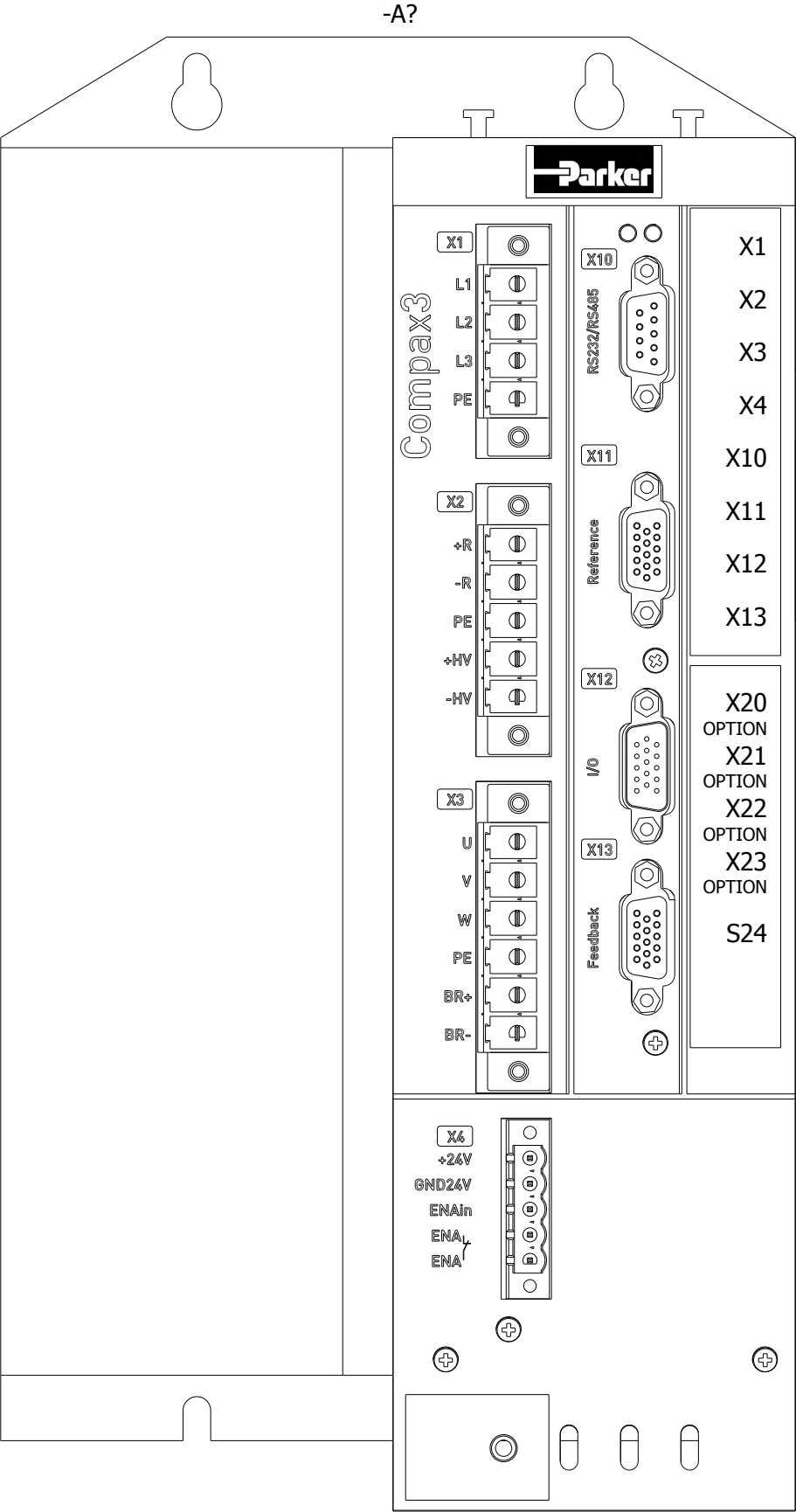
Servo controller

Compax3S150V4

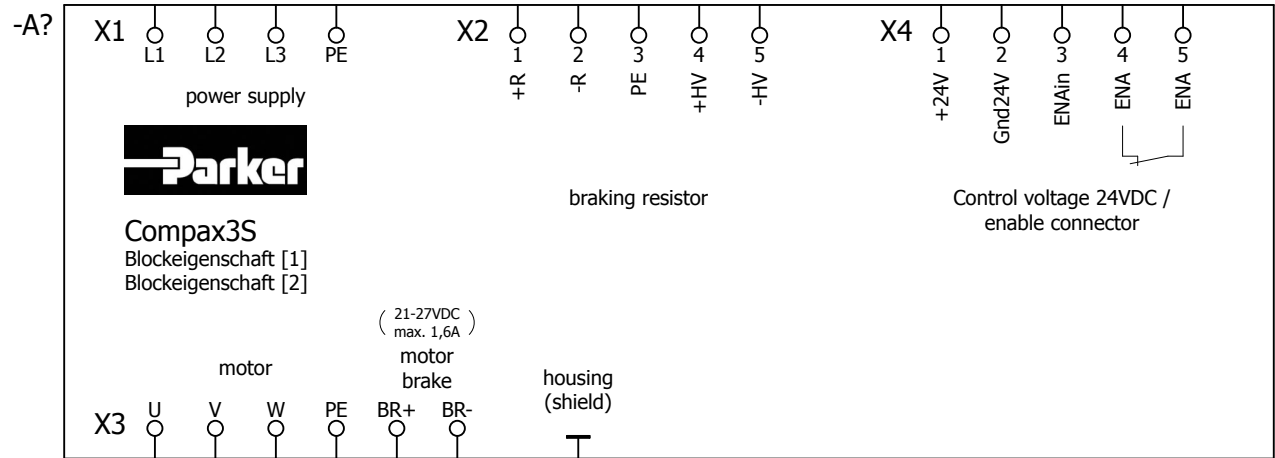
Version 2012/03

Variante A

Übersicht



PARKER\Inverter\Compax3S\150V4\Compax3S
Servo controller
Compax3S150V4
Version 2012/03
Variante A
Allpolig



X4

1

2

3

4

5

+24V

Gnd24V

ENAIN

ENA+

ENA-

Control voltage 24VDC / enable connector

X3

U

V

W

PE

BR+

BR-

motor

(21-27VDC
max. 1,6A)

motor brake

housing (shield)

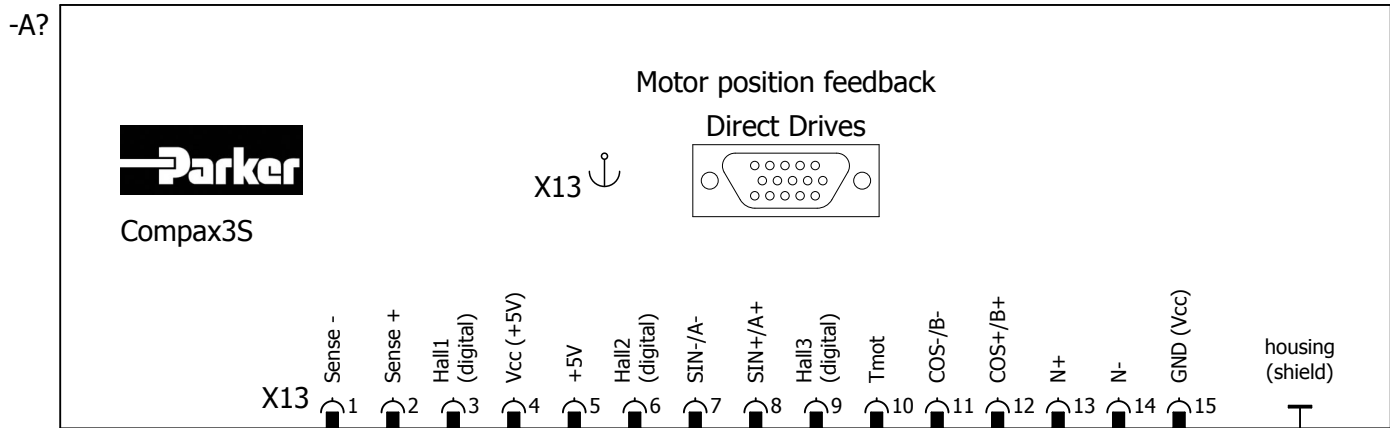
Parker

Compax3S

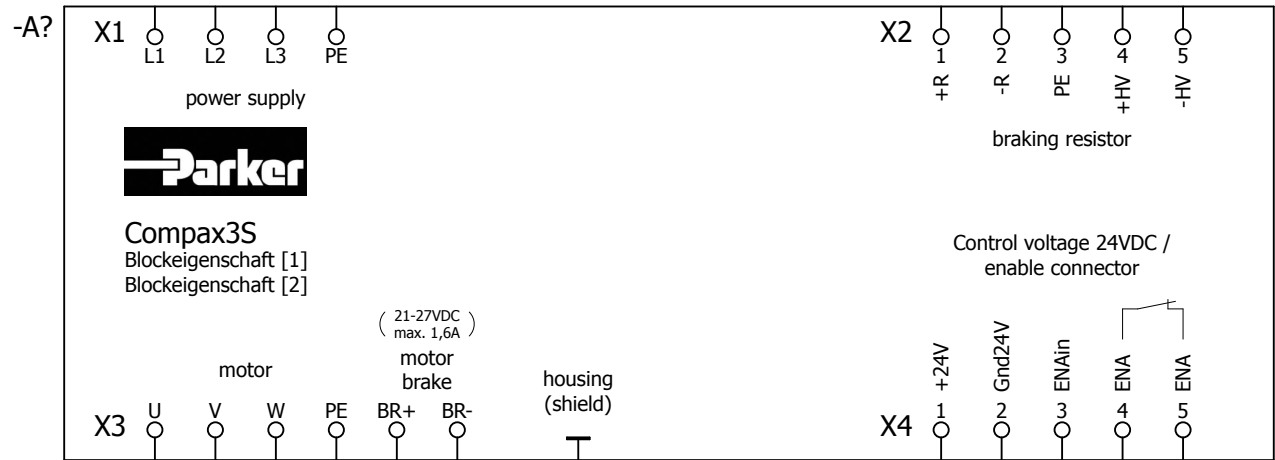
Blokeigenschaft [1]

Blokeigenschaft [2]

PARKER\Inverter\Compax3S\150V4\Compax3S
Servo controller
Compax3S150V4
Version 2012/03
Variante C
Allpolig



PARKER\Inverter\Compax3S\150V4\Compax3S
Servo controller
Compax3S150V4
Version 2012/03
Variante B
Allpolig



X4

1

2

3

4

5

+24V

Gnd24V

ENAIN

ENA+

ENA-

Control voltage 24VDC / enable connector

X3

U

V

W

PE

BR+

BR-

motor

(21-27VDC
max. 1,6A)

motor brake

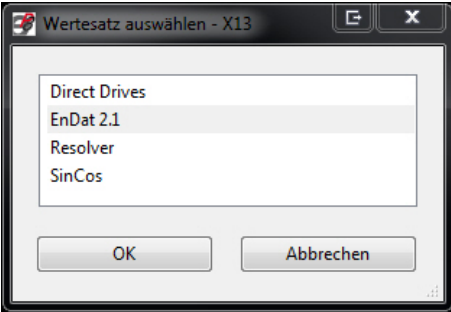
housing (shield)

Parker

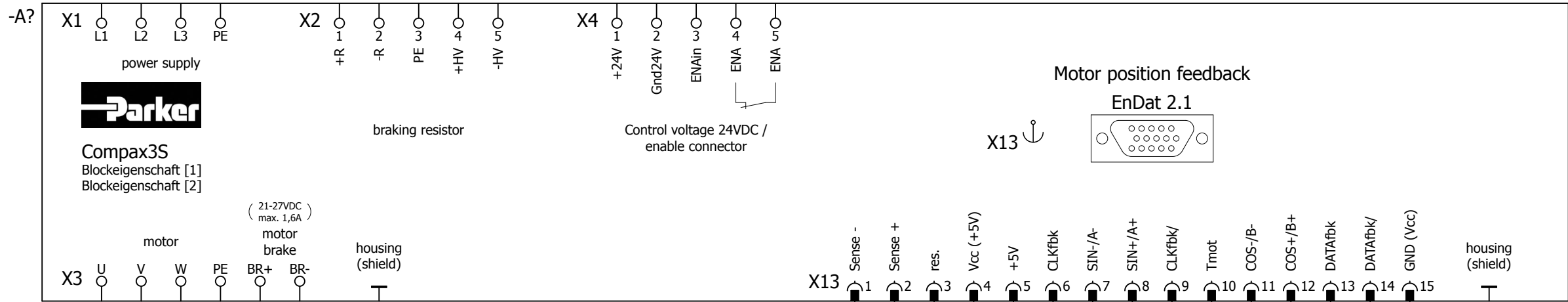
Compax3S

Blokeigenschaft [1]

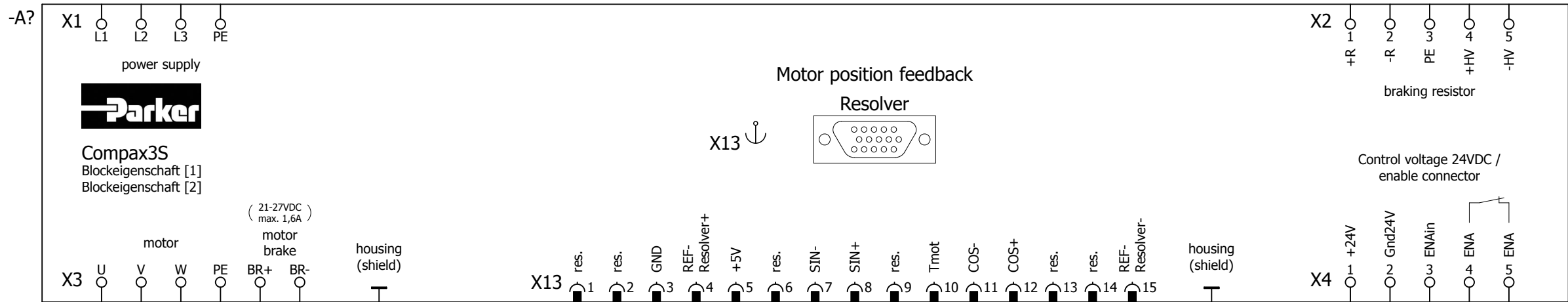
Blokeigenschaft [2]



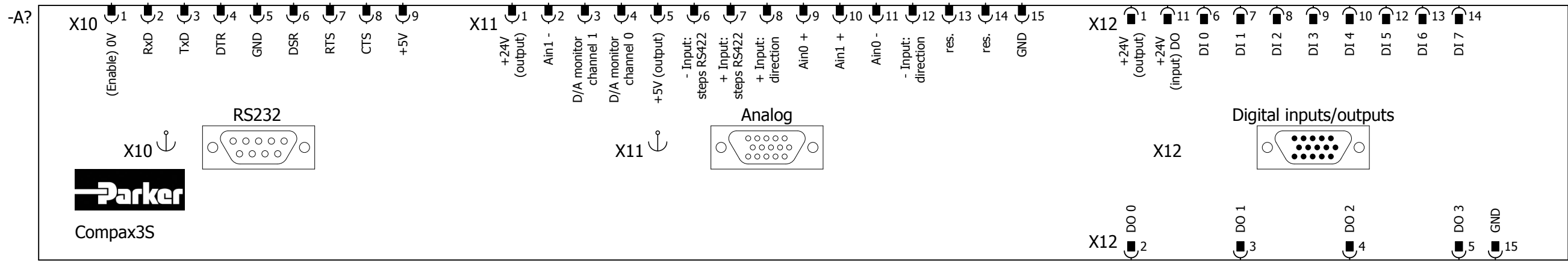
PARKER\Inverter\Compax3S\150V4\Compax3S
Servo controller
Compax3S150V4
Version 2012/03
Variante D
Allpolig



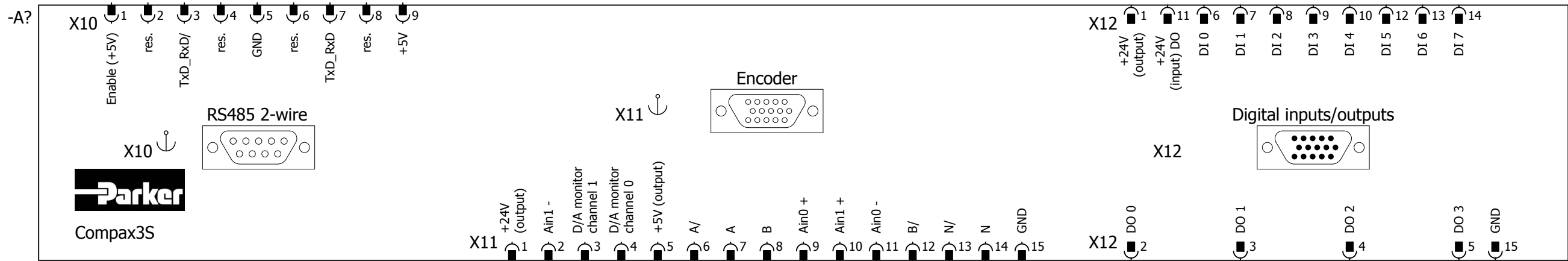
PARKER\Inverter\Compax3S\150V4\Compax3S
Servo controller
Compax3S150V4
Version 2012/03
Variante E
Allpolig



PARKER\Inverter\Compax3S\150V4\Compax3S
Servo controller
Compax3S150V4
Version 2012/03
Variante F
Allpolig

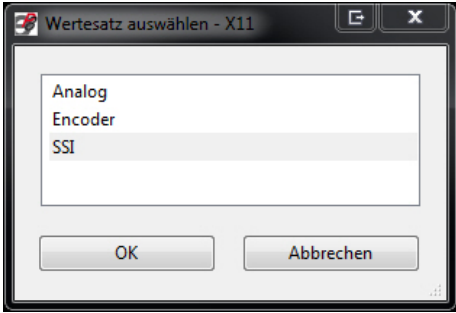
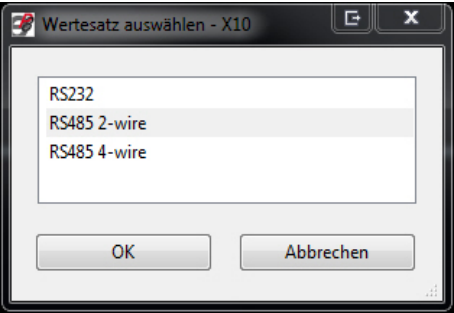
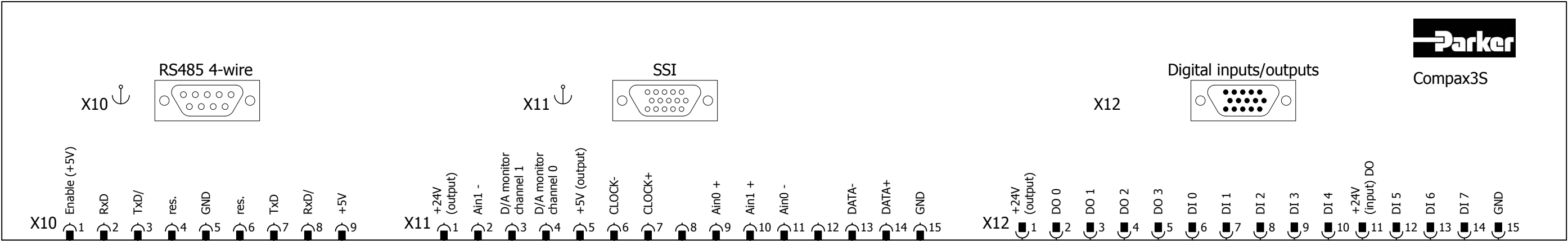


PARKER\Inverter\Compax3S\150V4\Compax3S
Servo controller
Compax3S150V4
Version 2012/03
Variante G
Allpolig

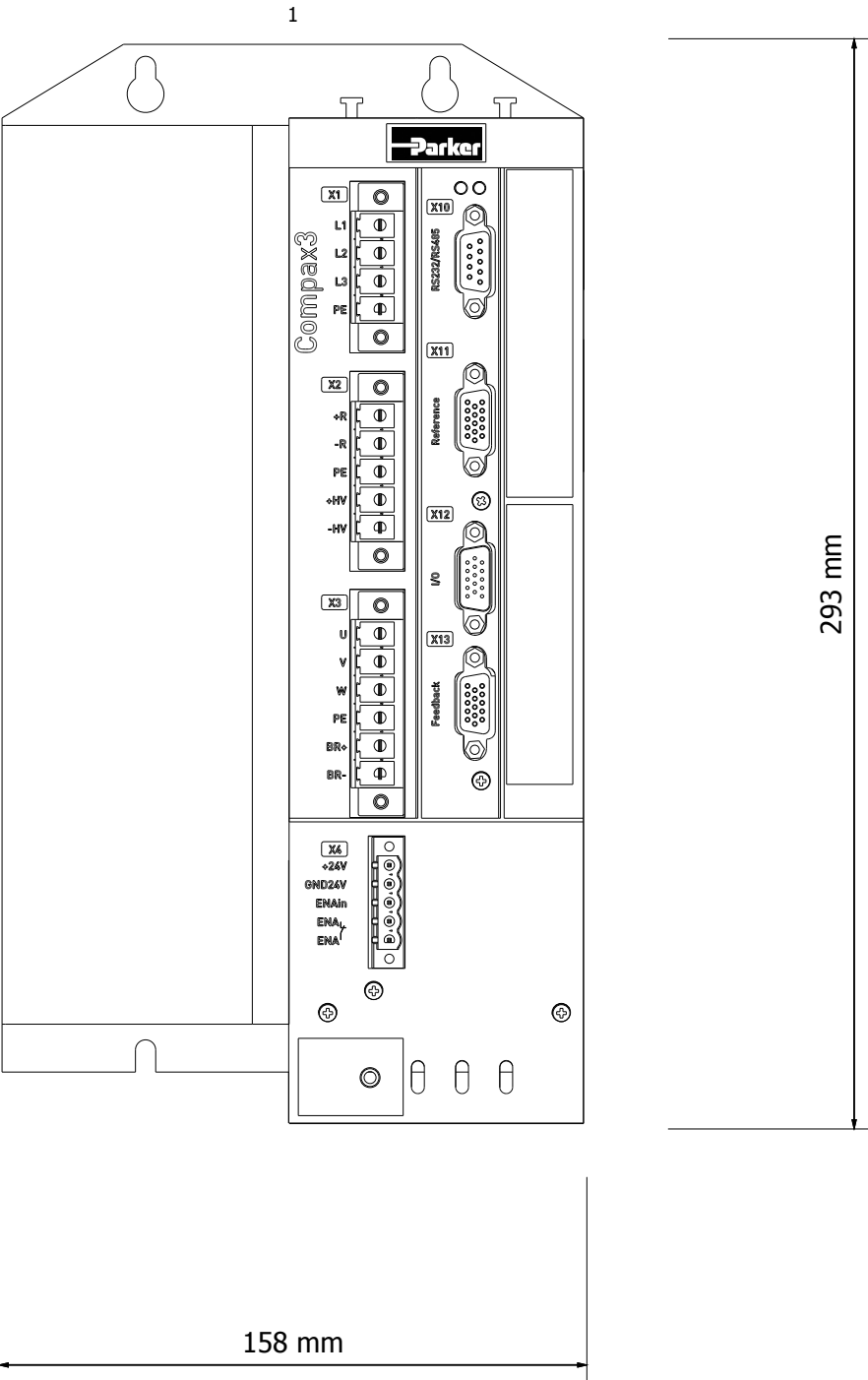


PARKER\Inverter\Compax3S\150V4\Compax3S
Servo controller
Compax3S150V4
Version 2012/03
Variante H
Allpolig

-A?



PARKER\Inverter\Compax3S\150V4\Compax3S
Servo controller
Compax3S150V4
Version 2012/03
Variante A
Schaltschrankaufbau



PARKER\Inverter\Compax3S\300V4\Compax3S

Servo controller

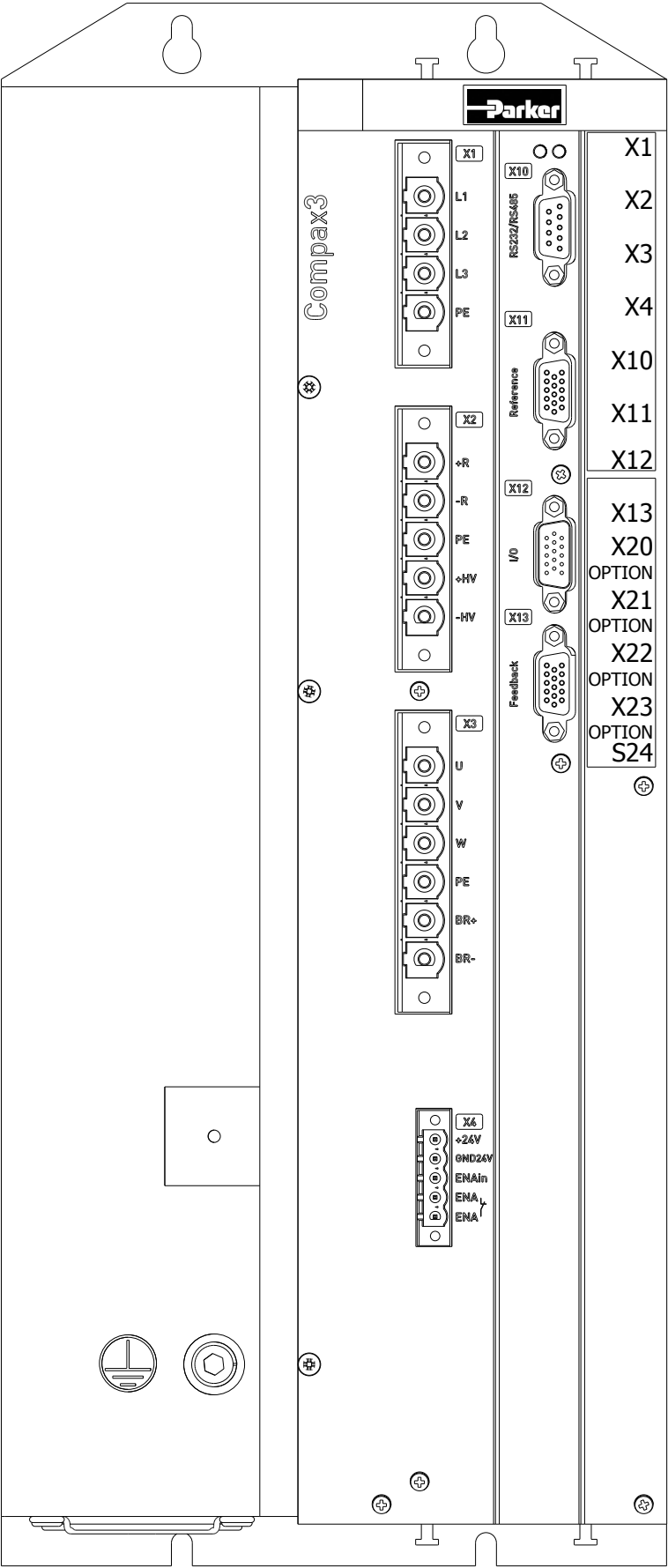
Compax3S300V4

Version 2012/03

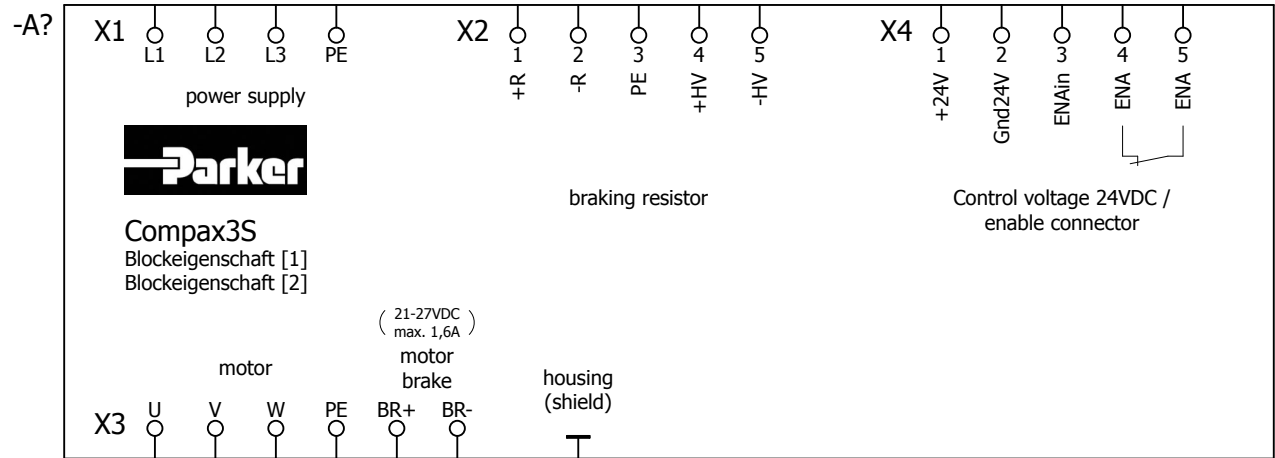
Variante A

Übersicht

-A?



PARKER\Inverter\Compax3S\300V4\Compax3S
Servo controller
Compax3S300V4
Version 2012/03
Variante A
Allpolig



X4

1

2

3

4

5

+24V

Gnd24V

ENAIN

ENA+

ENA-

Control voltage 24VDC /
enable connector

X3

U

V

W

PE

BR+

BR-

motor

(21-27VDC
max. 1,6A)

motor
brake

housing
(shield)

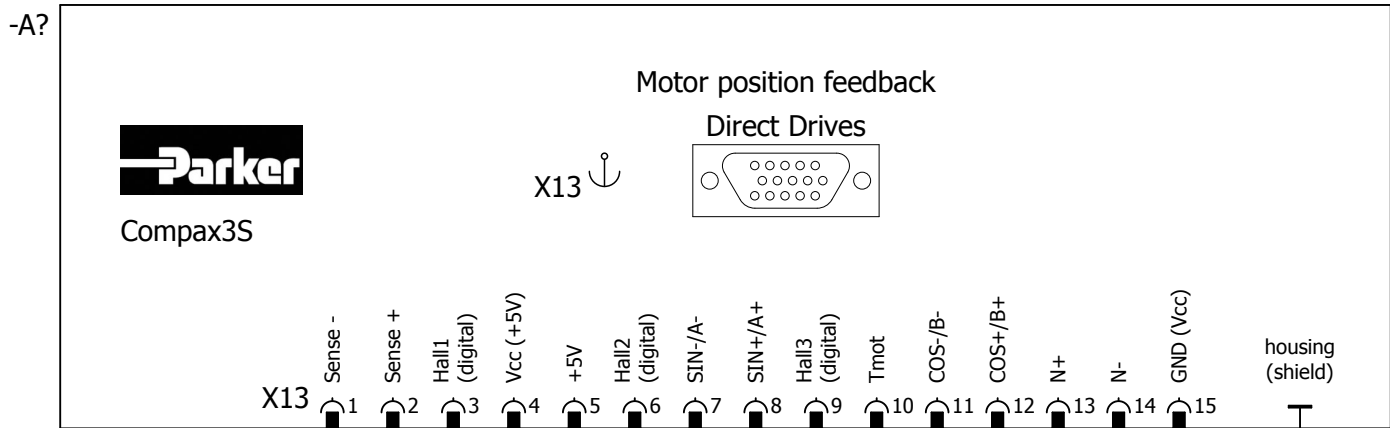
Parker

Compax3S

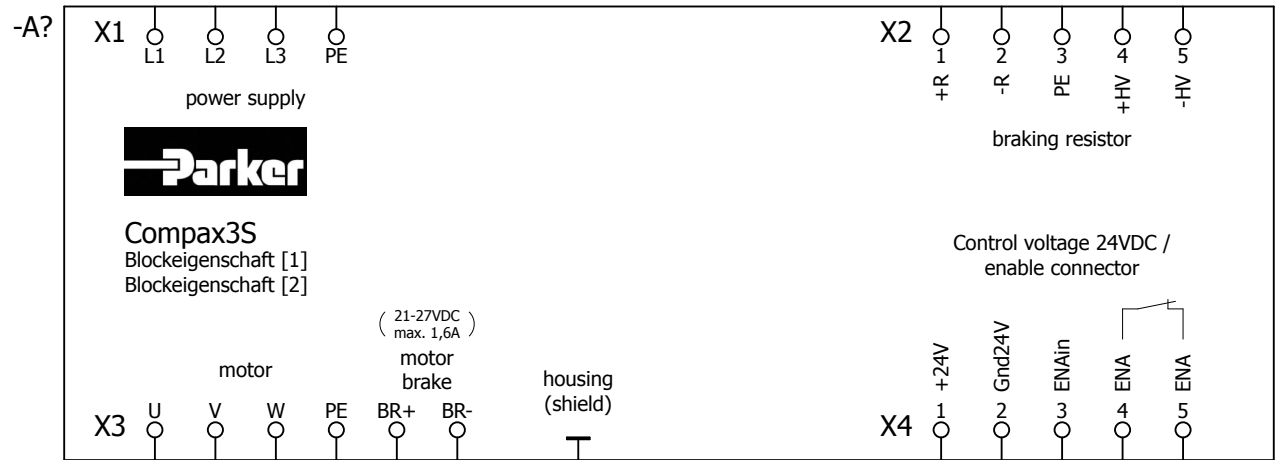
Blockeigenschaft [1]

Blockeigenschaft [2]

PARKER\Inverter\Compax3S\300V4\Compax3S
Servo controller
Compax3S300V4
Version 2012/03
Variante C
Allpolig



PARKER\Inverter\Compax3S\300V4\Compax3S
Servo controller
Compax3S300V4
Version 2012/03
Variante B
Allpolig



X4

1

2

3

4

5

+24V

Gnd24V

ENAIN

ENA+

ENA-

Control voltage 24VDC /
enable connector

X3

U

V

W

PE

BR+

BR-

motor

(21-27VDC
max. 1,6A)

motor
brake

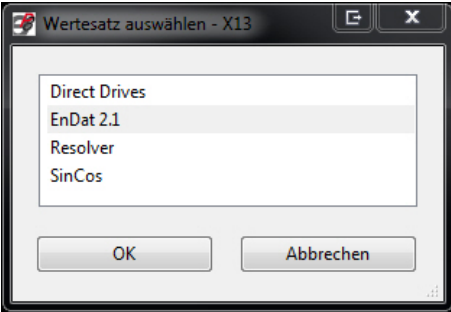
housing
(shield)

Parker

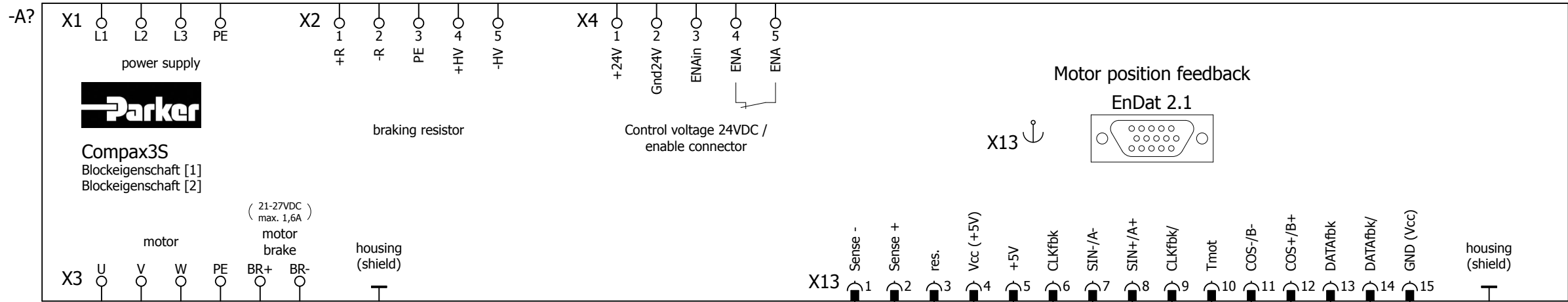
Compax3S

Blockeigenschaft [1]

Blockeigenschaft [2]



PARKER\Inverter\Compax3S\300V4\Compax3S
Servo controller
Compax3S300V4
Version 2012/03
Variante D
Allpolig



X4

1

2

3

4

5

+24V

Gnd24V

ENAIN

ENA

ENA

Control voltage 24VDC / enable connector

X3

U

V

W

PE

BR+

BR-

motor

(21-27VDC
max. 1,6A)

motor brake

housing (shield)

X13

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Sense -

Sense +

res.

Vcc (+5V)

+5V

CLKfbk

SIN-/A-

SIN+/A+

CLKfbk/

Tmot

COS-/B-

COS+/B+

DATAfbk

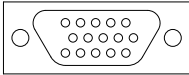
DATAfbk/

GND (Vcc)

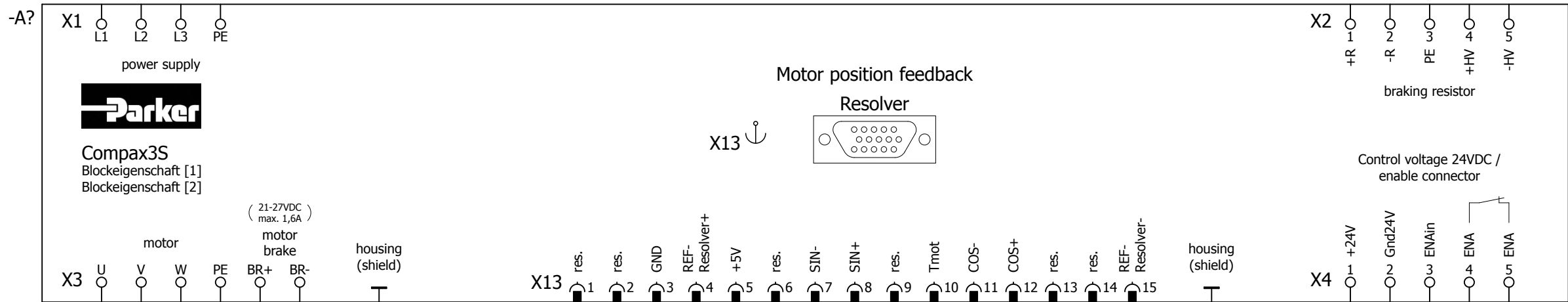
housing (shield)

Motor position feedback

EnDat 2.1



PARKER\Inverter\Compax3S\300V4\Compax3S
Servo controller
Compax3S300V4
Version 2012/03
Variante E
Allpolig



X4

1

2

3

4

5

+24V

Gnd24V

ENAIN

ENA

ENA

Control voltage 24VDC / enable connector

X3

U

V

W

PE

BR+

BR-

motor

(21-27VDC
max. 1,6A)

motor brake

housing (shield)

X13

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

res.

res.

GND

REF- Resolver+

+5V

res.

SIN-

SIN+

res.

Tmot

COS-

COS+

res.

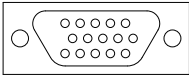
res.

REF- Resolver-

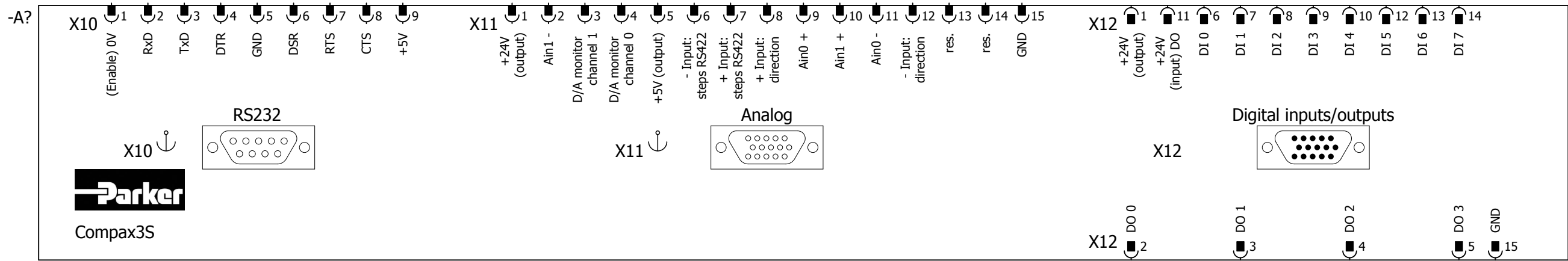
housing (shield)

Motor position feedback

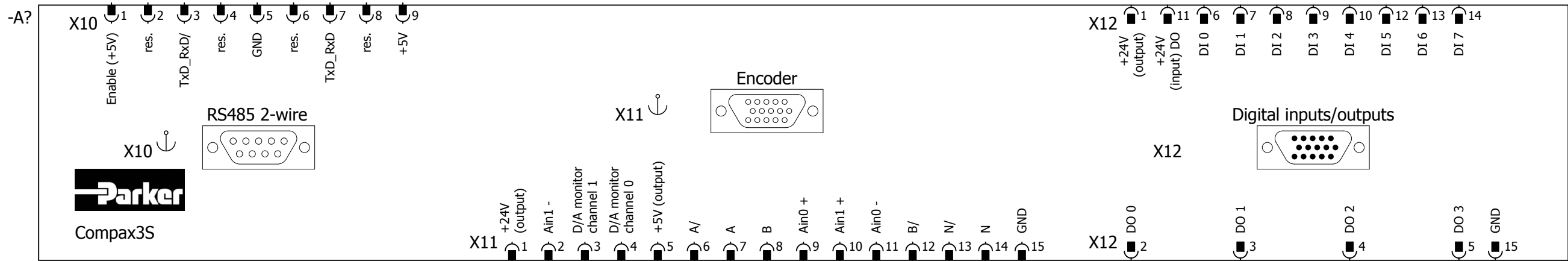
Resolver



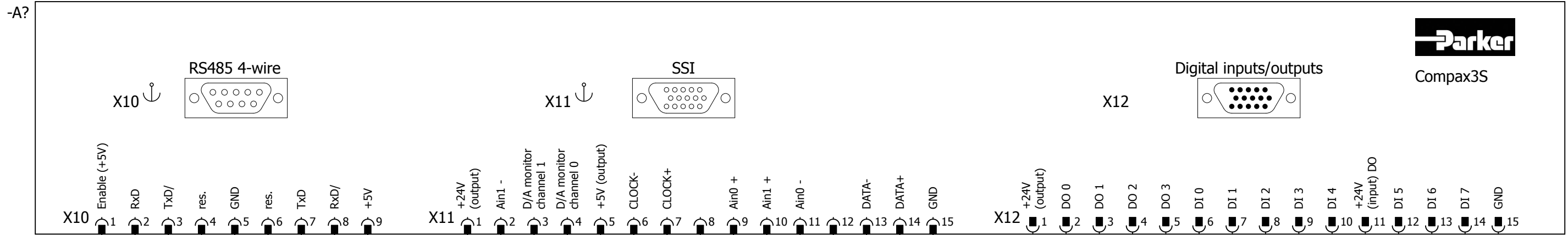
PARKER\Inverter\Compax3S\300V4\Compax3S
Servo controller
Compax3S300V4
Version 2012/03
Variante F
Allpolig



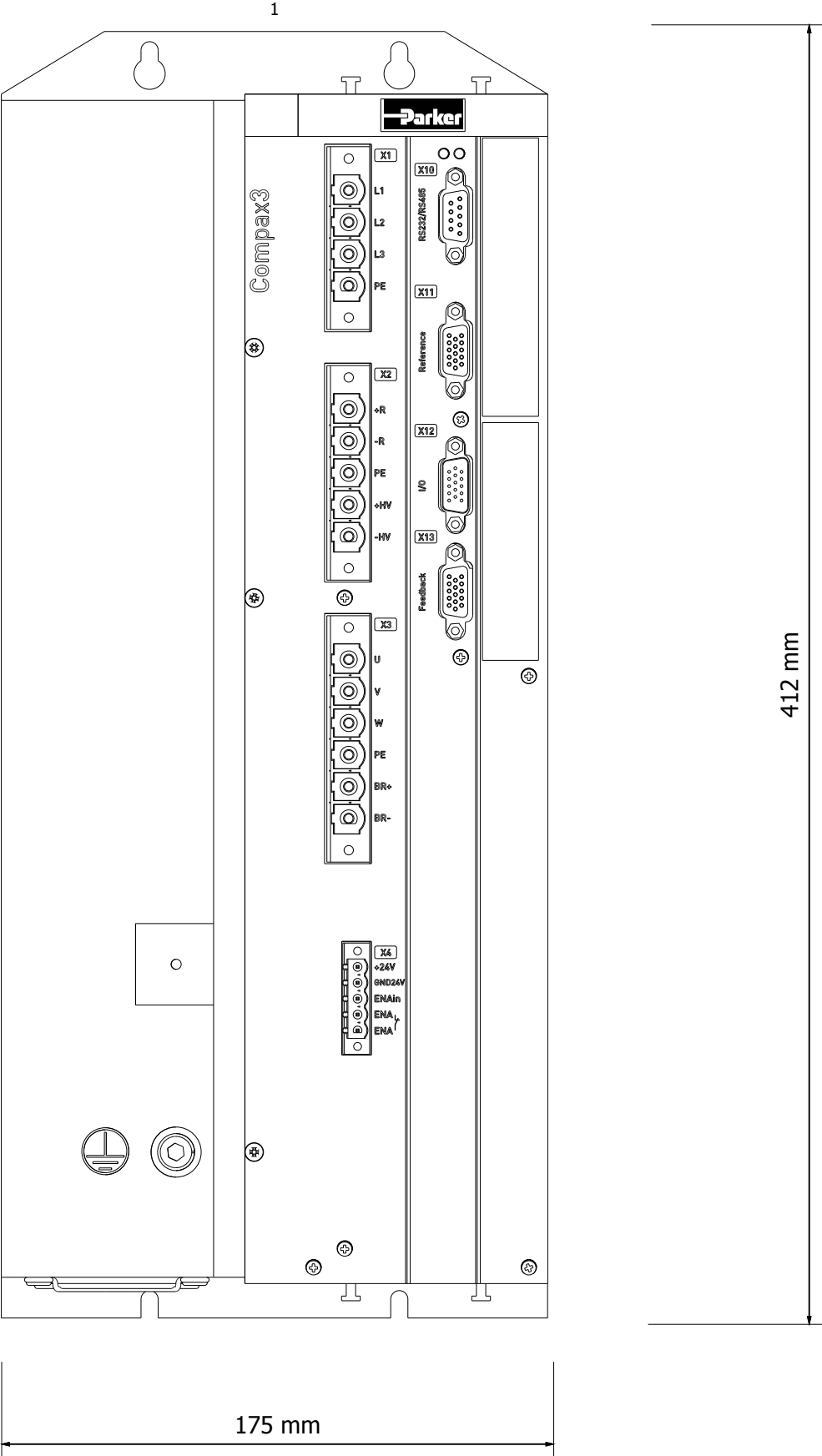
PARKER\Inverter\Compax3S\300V4\Compax3S
Servo controller
Compax3S300V4
Version 2012/03
Variante G
Allpolig



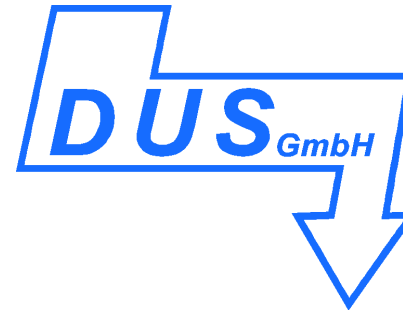
PARKER\Inverter\Compax3S\300V4\Compax3S
Servo controller
Compax3S300V4
Version 2012/03
Variante H
Allpolig



PARKER\Inverter\Compax3S\300V4\Compax3S
Servo controller
Compax3S300V4
Version 2012/03
Variante A
Schaltschrankaufbau



0	1	2	3	4	5	6	7	8	9			
Parts list												
Device tag Placement			Designation			Type number Order number		Manufacturer Supplier	Part number Function text			
+025V2-A? +025V2/2.0;+025V2/3.0			Compax 3S Servo controller 2,5/5,5A, 1kVA, 230/240VAC			C3S025V2 C3S025V2		Parker Hannifin GmbH Parker Hannifin GmbH	PARKER.C3S025V2			
+063V2-A? +063V2/2.0;+063V2/3.0			Compax 3S Servo controller 6,3/12,6A, 2,5kVA, 230/240VAC			C3S063V2 C3S063V2		Parker Hannifin GmbH Parker Hannifin GmbH	PARKER.C3S063V2			
+100V2-A? +100V2/2.0;+100V2/3.0			Compax 3S Servo controller 10/20A, 4,0kVA, 230/240VAC			C3S100V2 C3S100V2		Parker Hannifin GmbH Parker Hannifin GmbH	PARKER.C3S100V2			
+150V2-A? +150V2/2.0;+150V2/3.0			Compax 3S Servo controller 15/30A, 6kVA, 230/240VAC			C3S150V2 C3S150V2		Parker Hannifin GmbH Parker Hannifin GmbH	PARKER.C3S150V2			
+015V4-A? +015V4/2.0;+015V4/3.0			Compax 3S Servo controller 1,5/4,5A, 1,25kVA, 400/480VAC			C3S015V4 C3S015V4		Parker Hannifin GmbH Parker Hannifin GmbH	PARKER.C3S015V4			
+038V4-A? +038V4/2.0;+038V4/3.0			Compax 3S Servo controller 3,8/9,0A, 3,1kVA, 400/480VAC			C3S038V4 C3S038V4		Parker Hannifin GmbH Parker Hannifin GmbH	PARKER.C3S038V4			
+075V4-A? +075V4/2.0;+075V4/3.0			Compax 3S Servo controller 7,5/15A, 6,2kVA, 400/480VAC			C3S075V4 C3S075V4		Parker Hannifin GmbH Parker Hannifin GmbH	PARKER.C3S075V4			
+150V4-A? +150V4/2.0;+150V4/3.0			Compax 3S Servo controller 15/30A, 11,5kVA, 400/480VAC			C3S150V4 C3S150V4		Parker Hannifin GmbH Parker Hannifin GmbH	PARKER.C3S150V4			
+300V4-A? +300V4/2.0;+300V4/3.0			Compax 3S Servo controller 30/60A, 25kVA, 400/480VAC			C3S300V4 C3S300V4		Parker Hannifin GmbH Parker Hannifin GmbH	PARKER.C3S300V4			
			Date	11.06.2012	Macros for Eplan Electric P8			Parts list		== PARKER	Page	1
			Ed. by	SHE				= Inverter	from	1		
			Appr.					++ Compax3S				
Modification	Date	Name	Original		Replacement for	Replaced by			+ PARTS		Sheet	293 / 708



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Company: Parker Hannifin Manufacturing Germany GmbH & Co KG
Electromechanical Division Europe

Street: Robert-Bosch-Strasse 22

City: 77656 Offenburg (Germany)



<http://www.parker.com/eme>

Project: Makros_2012_03

Project description: Macros for Eplan Electric P8

Inverter: Compax3F

Status: 03-2012

CAE: Eplan Electric P8 2.1.6.5473

Created on 25.11.2011

Edit date 11.06.2012

			Date	11.06.2012	Macros for Eplan Electric P8			Title page / cover sheet	== PARKER	Page from Sheet 294 / 708	1
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			Appr.						++ Compax3F		
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==PARKER=Inverter++Compax3F+DOC/2				295	Table of contents			11.06.2012	SHE			
==PARKER=Inverter++Compax3F+DOC/3				296	Macro Description			11.06.2012	SHE			
==PARKER=Inverter++Compax3F+INFO/1				297	Information Interface X11			11.06.2012	SHE			
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			Appr.						++ Compax3F			
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Macros for Eplan Electric P8

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Electromechanical Division Europe
Robert-Bosch-Strasse 22
77656 Offenburg (Germany)
All statements are made with the best intentions and the best of our knowledge and belief.
For the correctness and completeness of the specification no adhesion is taken over.
No responsibility is accepted for the using of the product data with the CAE system Eplan Electric P8.

Project structure

This project is a macro project and contains CAE data for Eplan Electric P8.

CAE data:

Type	File name	Version	File type
Macros	Makros_Compax3F_	03_2012	.zw5
Parts data	Parts_Makros_Compax3F_	03_2012	.zw6
Parts data import file	Parts_Makros_Compax3F_	03_2012	.xml

Data directories:

..\EPLAN\Electric P8\...\ PARKER\Inverter\Compax3F\

Parts data:

For all macros parts data have been created.
They apply to the internal part selection.
For the data exchange between parts data and project / project and parts data the Eplan Electric P8 functions for synchronize parts data will be use.

Eigenschaften (Schaltzeichen): Platzhalterobjekt

Platzhalterobjekt

Anzeige

Symbol- / Funktionsdaten

Name:

X11

Zuordnung

Werte

Variable	DA monitor	RS422 Encoder	Start/Stop	SSI
X11_1			+24V (output)	+24V (output)
X11_2				
X11_3	Aout 1			
X11_4	Aout 0			
X11_5		+5V (output)		
X11_6		A-	INIT-	CLOCK-
X11_7		A+	INIT+	CLOCK+
X11_8		B+	STSP+	
X11_9				
X11_10				
X11_11				
X11_12		B-	STSP-	
X11_13		N-		DATA-
X11_14		N+		DATA+
X11_15	GND	GND	GND	GND

Vorschau

OK

Abbrechen

Übernehmen

Eigenschaften (Schaltzeichen): Platzhalterobjekt

Platzhalterobjekt

Anzeige

Symbol- / Funktionsdaten

Name:

X10

Zuordnung

Werte

Variable	RS232	RS485 2-wire	RS485 4-wire
X10_1	(Enable) 0V	Enable (+5V)	Enable (+5V)
X10_2	RxD	res.	RxD
X10_3	TxD	TxD_RxD/	TxD/
X10_4	DTR	res.	res.
X10_5	GND	GND	GND
X10_6	DSR	res.	res.
X10_7	RTS	TxD_RxD	TxD
X10_8	CTS	res.	RxD/
X10_9	+5V	+5V	+5V

Vorschau

OK

Abbrechen

Übernehmen

Eigenschaften (Schaltzeichen): Platzhalterobjekt

Platzhalterobjekt

Anzeige

Symbol- / Funktionsdaten

Name:

X13

Zuordnung

Werte

Variable	RS422 Encoder	SineCosine 1VSS	EnDat 2.1	Start/Stop	SSI
X13_1				+24V	+24V
X13_2	Sense +	Sense +	Sense +		
X13_3		SIN+	SIN+		
X13_4	Vcc (+5V)	Vcc (+5V)	Vcc (+5V)		
X13_5	+5V	+5V	+5V		
X13_6	A-		Clock -	INIT-	Clock -
X13_7	A+		Clock +	INIT+	Clock +
X13_8	B+	COS+	COS+	STSP+	
X13_9		SIN-	SIN-		
X13_10					
X13_11	Sense -	Sense -	Sense -		
X13_12	B-	COS-	COS-	STSP-	
X13_13	N-	N-	DATA-		DATA-
X13_14	N+	N+	DATA+		DATA+
X13_15	GND	GND	GND	GND	GND

Vorschau

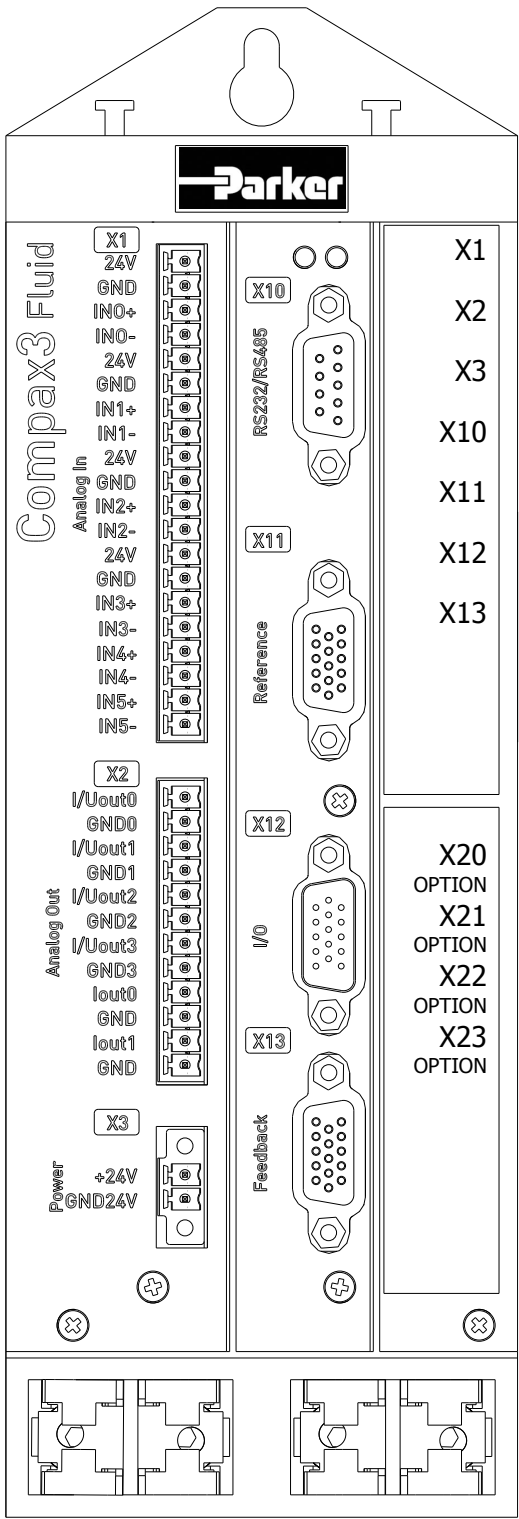
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Abbrechen

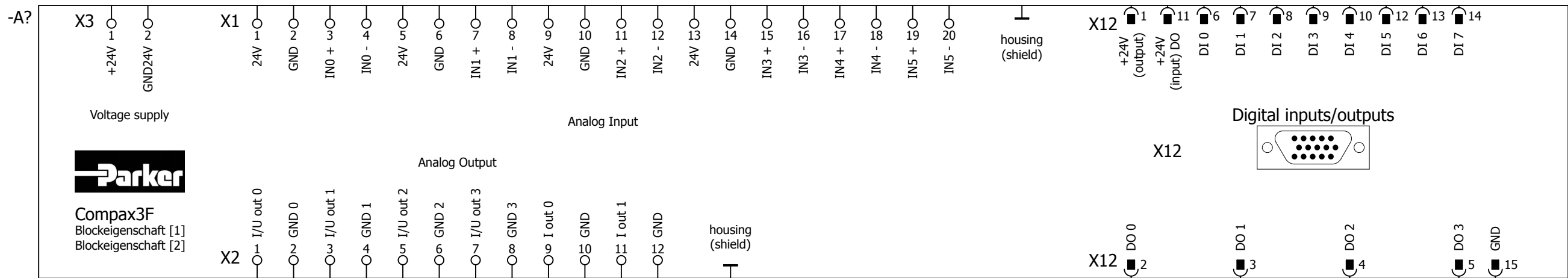
Übernehmen

PARKER\Inverter\Compax3F\Compax3F
Hydraulics Controller
Compax3F
Version 2012/03
Variante A
Übersicht

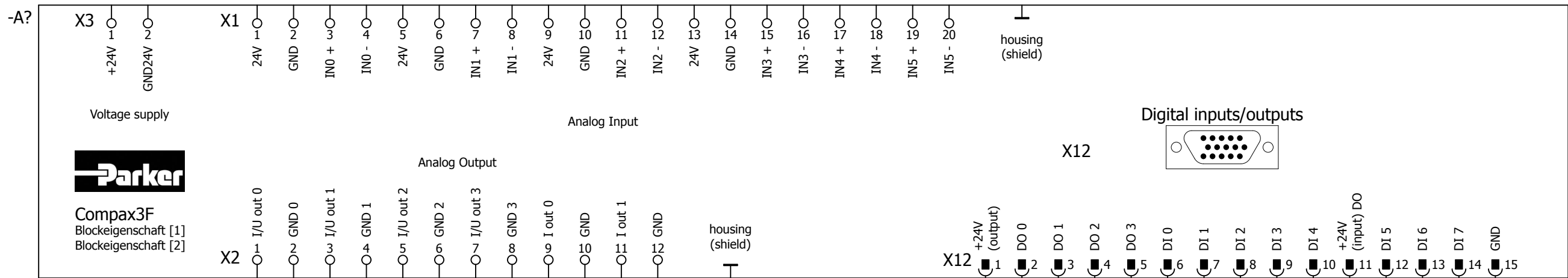
-A?



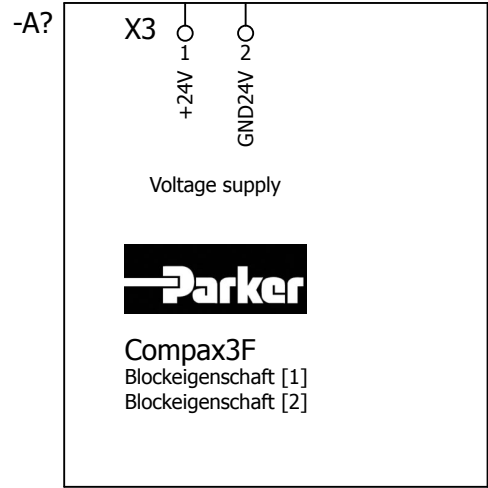
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Hydraulics Controller
Compax3F
Version 2012/03
Variante A
Allpolig



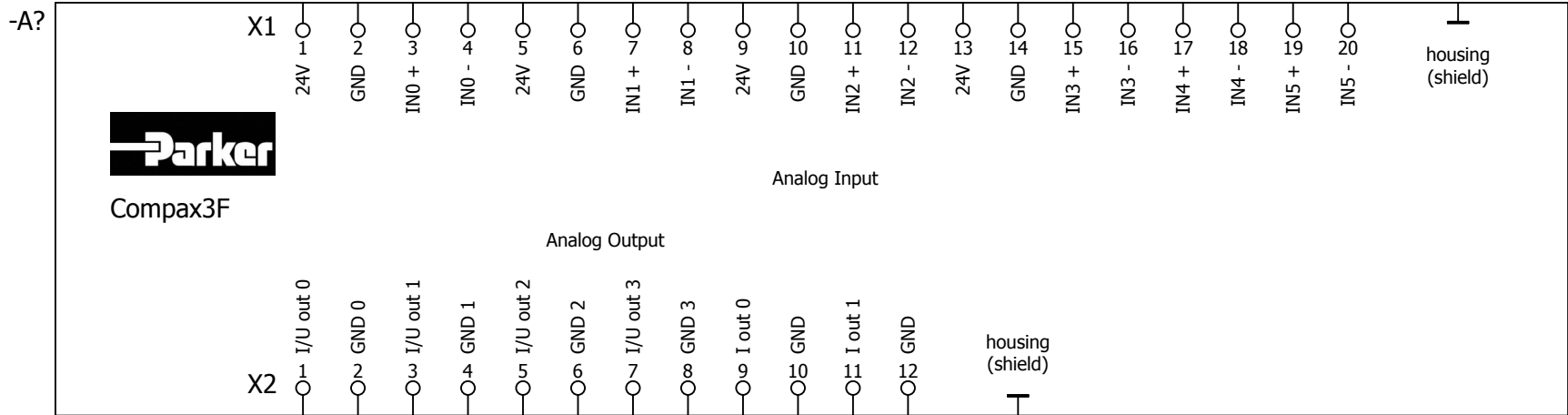
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Compax3F
Version 2012/03
Variante B
Allpolig



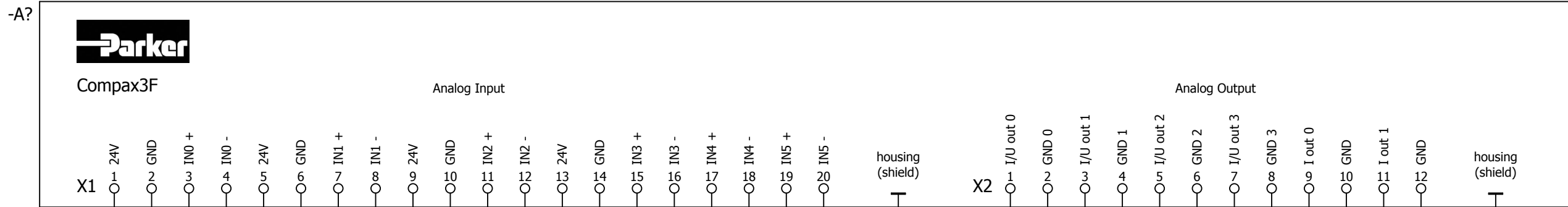
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Compax3F
Version 2012/03
Variante C
Allpolig



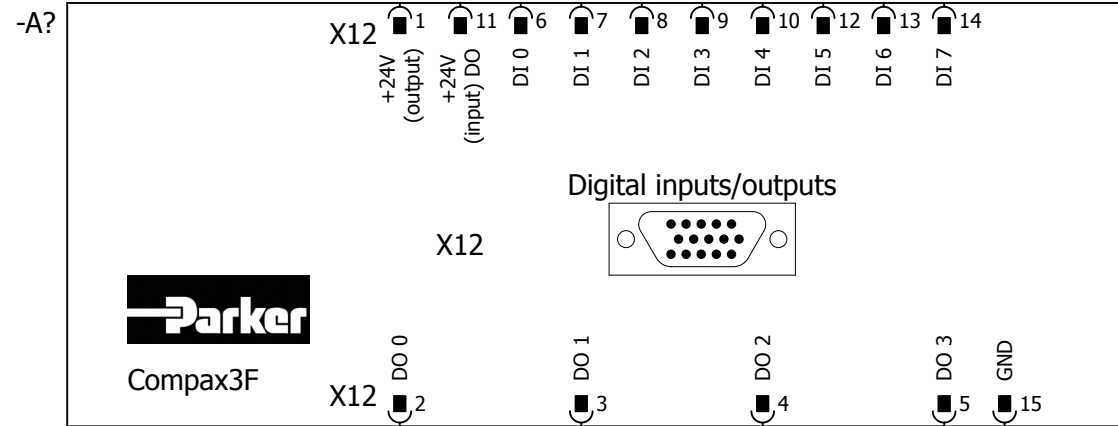
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Version 2012/03
Variante D
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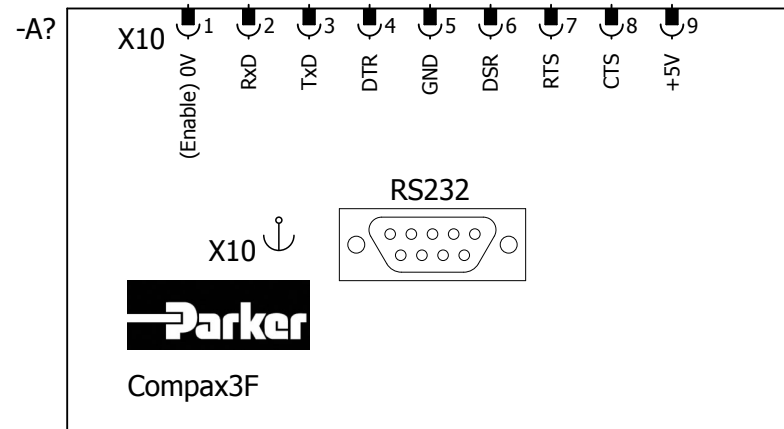
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Version 2012/03
Variante E
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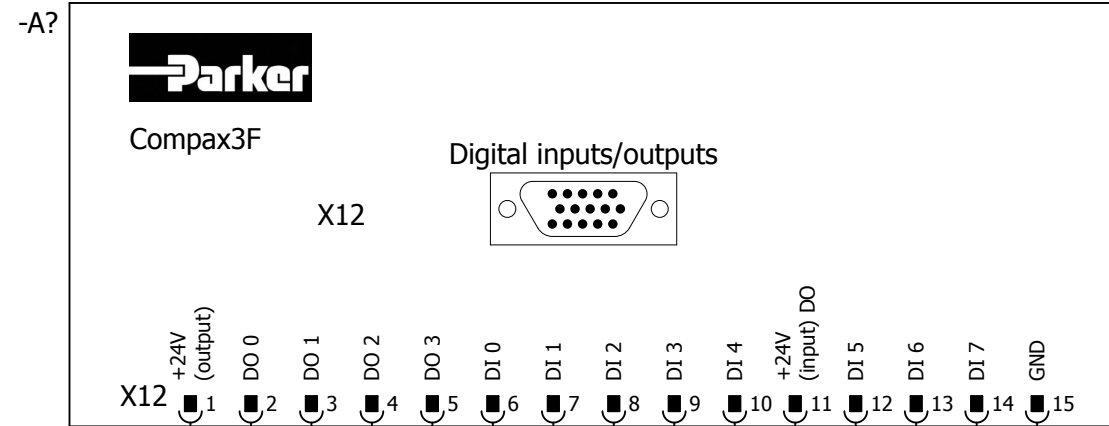
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Compax3F
Version 2012/03
Variante F
Allpolig



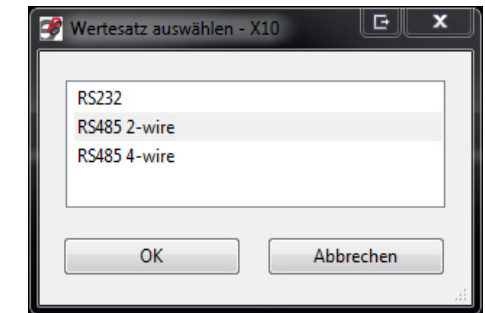
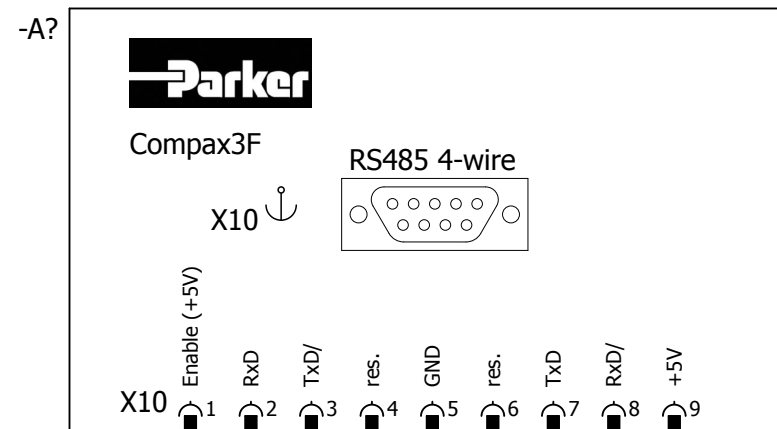
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Hydraulics Controller
Compax3F
Version 2012/03
Variante H
Allpolig



PARKER\Inverter\Compax3F\Compax3F
Hydraulics Controller
Compax3F
Version 2012/03
Variante G
Allpolig

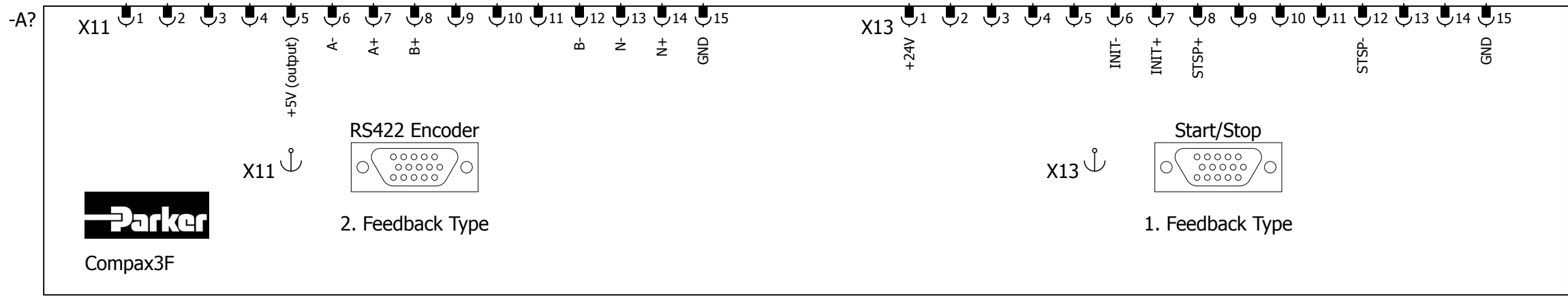


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Hydraulics Controller
Compax3F
Version 2012/03
Variante I
Allpolig



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Hydraulics Controller
Compax3F
Version 2012/03
Variante J
Allpolig



Wertesatz auswählen - X11

DA monitor

RS422 Encoder

Start/Stop

SSI

OK

Abbrechen

Wertesatz auswählen - X13

EnDat 2.1

RS422 Encoder

Sinus Cosinus

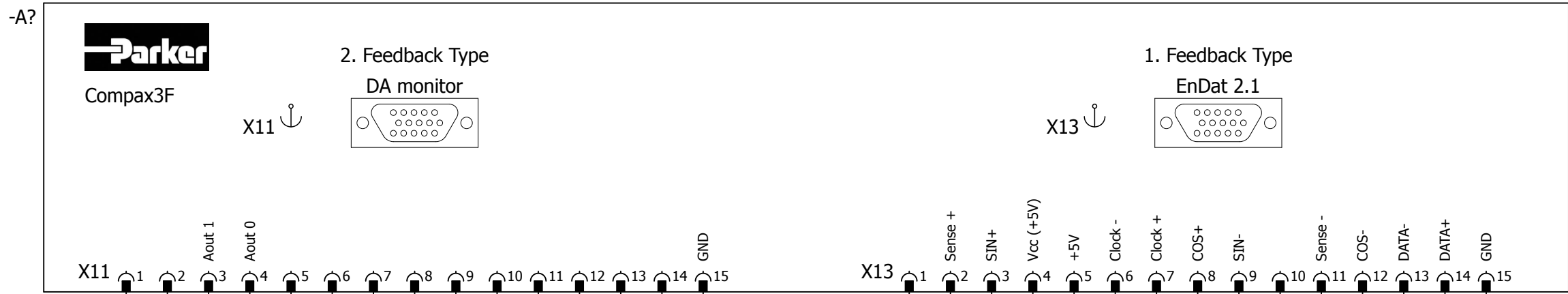
Start/Stop

SSI

OK

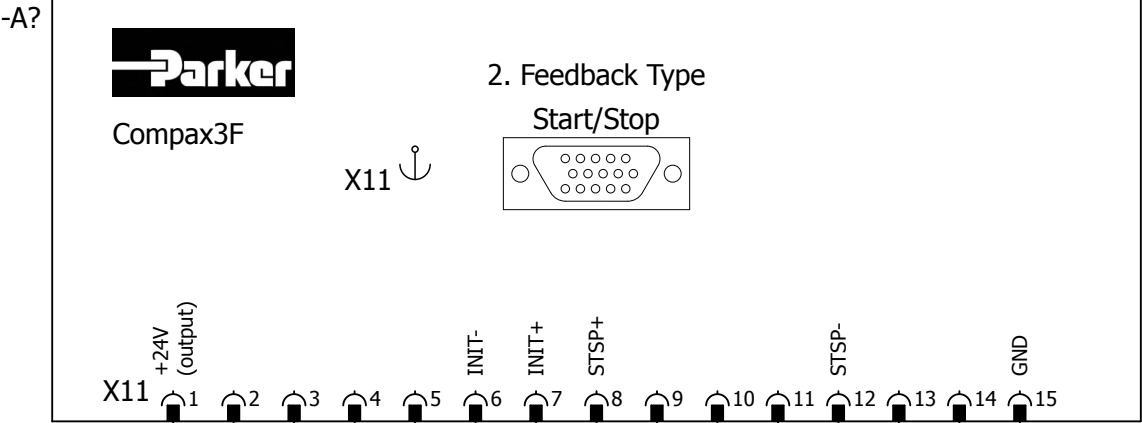
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Hydraulics Controller
Compax3F
Version 2012/03
Variante K
Allpolig

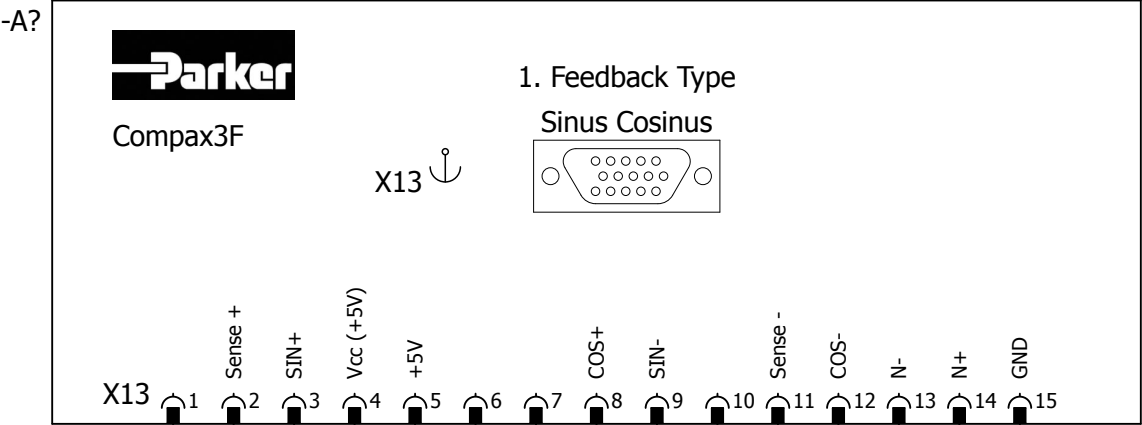


Compax3F

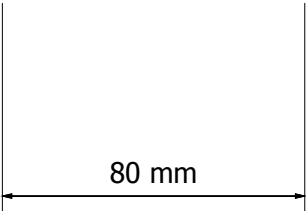
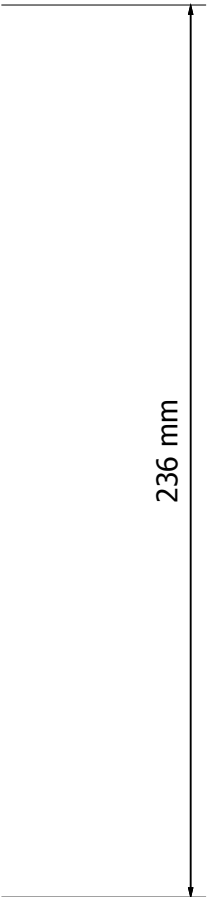
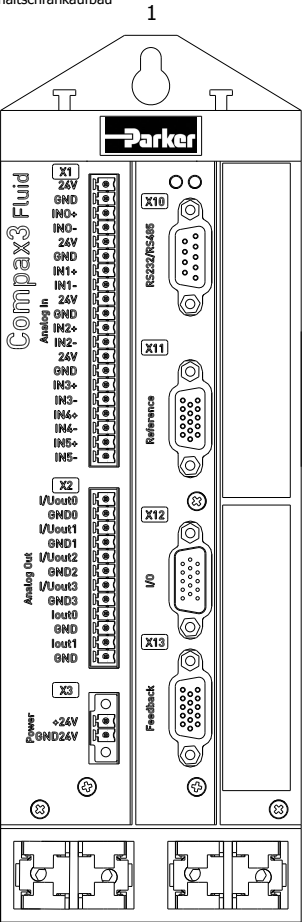
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Compax3F
Version 2012/03
Variante L
Allpolig



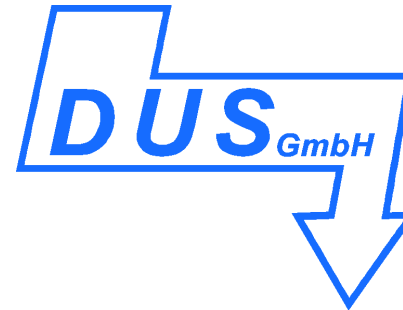
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Hydraulics Controller
Compax3F
Version 2012/03
Variante M
Allpolig



PARKER\Inverter\Compax3F\Compax3F
Hydraulics Controller
Compax3F
Version 2012/03
Variante A
Schaltschrankaufbau



0	1	2	3	4	5	6	7	8	9			
Parts list												
Device tag Placement			Designation		Type number Order number		Manufacturer Supplier	Part number Function text				
-A? +/2.0;+/3.0			Compax 3F Hydraulics Controller 21-27V		C3F001D2F12 C3F001D2F12		Parker Hannifin GmbH Parker Hannifin GmbH	PARKER.C3F001D2F12				
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<http://www.parker.com/eme>

Project: Makros_2012_03

Project description: Macros for Eplan Electric P8

Inverter: Compax3M

Status: 03-2012

CAE: Eplan Electric P8 2.1.6.5473

Created on 25.11.2011

Edit date 11.06.2012

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			Appr.						++ Compax3M		
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			Appr.					++ Compax3M	Sheet	310 / 708		
Modification	Date	Name	Original		Replacement for	Replaced by		+ DOC				

Macros for Eplan Electric P8

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No responsibility is accepted for the using of the product data with the CAE system Eplan Electric P8.

Project structure

This project is a macro project and contains CAE data for Eplan Electric P8.

CAE data:

Type	File name	Version	File type
Macros	Makros_Compax3M_	03_2012	.zw5
Parts data	Parts_Makros_Compax3M_	03_2012	.zw6
Parts data import file	Parts_Makros_Compax3M_	03_2012	.xml

Data directories:

..\EPLAN\Electric P8\...\ PARKER\Inverter\Compax3M\

Parts data:

For all macros parts data have been created.
They apply to the internal part selection.
For the data exchange between parts data and project / project and parts data the Eplan Electric P8 functions for synchronize parts data will be use.

Eigenschaften (Schaltzeichen): Platzhalterobjekt

Platzhalterobjekt

Anzeige

Symbol- / Funktionsdaten

Name:

X11

Zuordnung

Werte

Variable	Analog	Encoder	SSI
X11_1	+24V (output)	+24V (output)	+24V (output)
X11_2	Ain1 -	Ain1 -	Ain1 -
X11_3	D/A monitor cha...	D/A monitor cha...	D/A monitor ...
X11_4	D/A monitor cha...	D/A monitor cha...	D/A monitor ...
X11_5	+5V (output)	+5V (output)	+5V (output)
X11_6	- Input: steps RS4...	A/	CLOCK-
X11_7	+ Input: steps RS...	A	CLOCK+
X11_8	+ Input: directio...	B	
X11_9	Ain0 +	Ain0 +	Ain0 +
X11_10	Ain1 +	Ain1 +	Ain1 +
X11_11	Ain0 -	Ain0 -	Ain0 -
X11_12	- Input: direction...	B/	
X11_13	res.	N/	DATA-
X11_14	res.	N	DATA+
X11_15	GND	GND	GND

Vorschau

OK

Abbrechen

Übernehmen

Eigenschaften (Schaltzeichen): Platzhalterobjekt

Platzhalterobjekt

Anzeige

Symbol- / Funktionsdaten

Name:

X13

Zuordnung

Werte

Variable	Resolver	SinCos	EnDat 2.1	Direct Drives
X13_1	res.	res.	Sense -	Sense -
X13_2	res.	res.	Sense +	Sense +
X13_3	GND	GND	res.	Hall1 (digital)
X13_4	REF- Resolver+	Vcc (+8V)	Vcc (+5V)	Vcc (+5V)
X13_5	+5V	+5V	+5V	+5V
X13_6	res.	res.	CLKfbk	Hall2 (digital)
X13_7	SIN-	SIN-	SIN-/A-	SIN-/A-
X13_8	SIN+	SIN+	SIN+/A+	SIN+/A+
X13_9	res.	res.	CLKfbk/	Hall3 (digital)
X13_10	Tmot	Tmot	Tmot	Tmot
X13_11	COS-	COS-	COS-/B-	COS-/B-
X13_12	COS+	COS+	COS+/B+	COS+/B+
X13_13	res.	DATAfbk	DATAfbk	N+
X13_14	res.	DATAfbk/	DATAfbk/	N-
X13_15	REF- Resolver-	GND (Vcc)	GND (Vcc)	GND (Vcc)

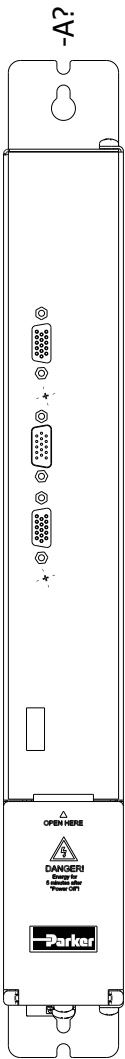
Vorschau

OK

Abbrechen

Übernehmen

PARKER\Inverter\Compax3M\C3M050-150D6\Compax3M
Multi-axis devices
Compax3M
Version 2012/03
Variante A
Übersicht





PARKER\Inverter\Compax3M\C3M050-150D6\Compax3M
Multi-axis devices
Compax3M
Version 2012/03
Variante A
Allpolig

-A?



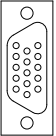
Blokeigenschaft [1]
Blokeigenschaft [2]

S10



X11

Analog/ Encoder



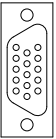
X12

Digital inputs/outputs



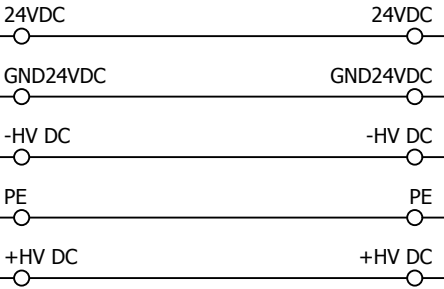
X13

Feedback



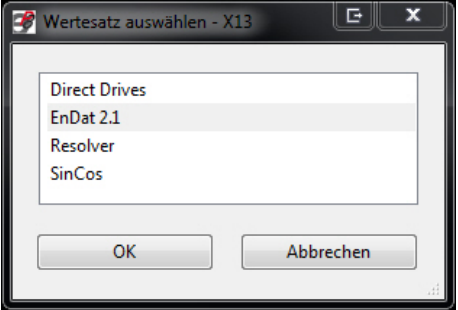
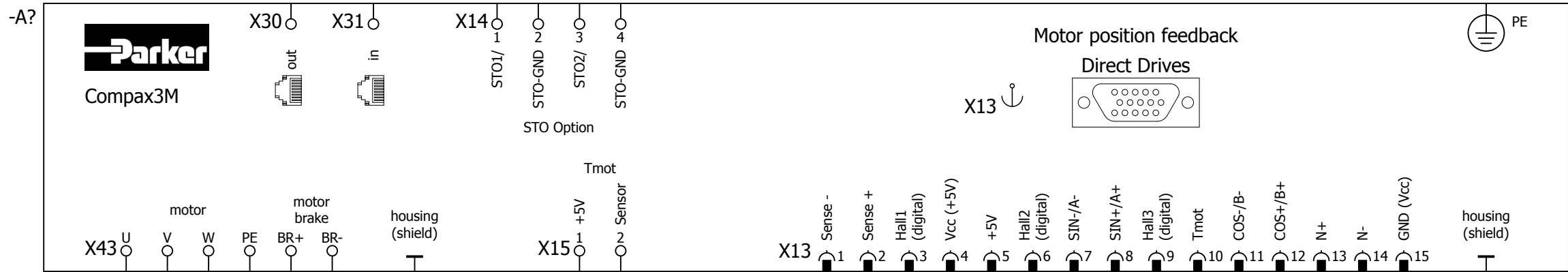
X15

Tmot

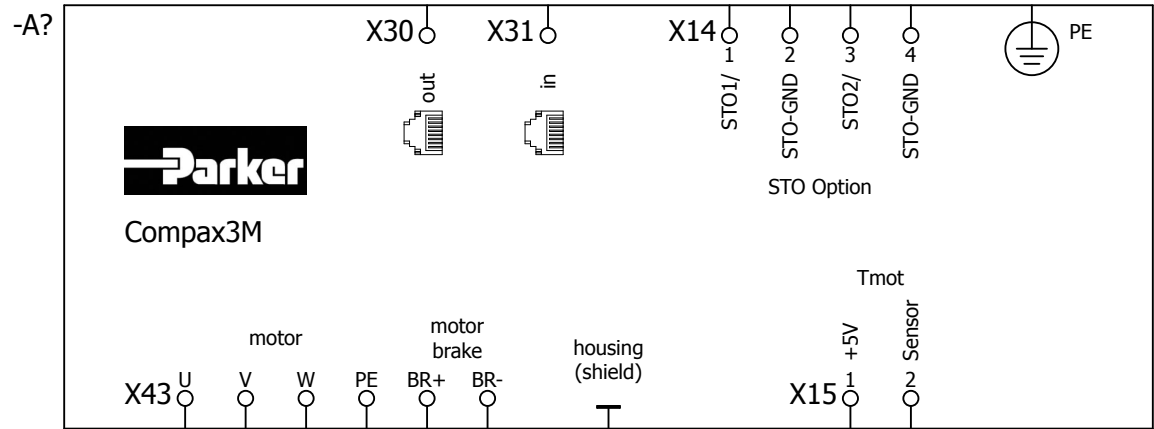


Caution - Risk of Electric Shock!

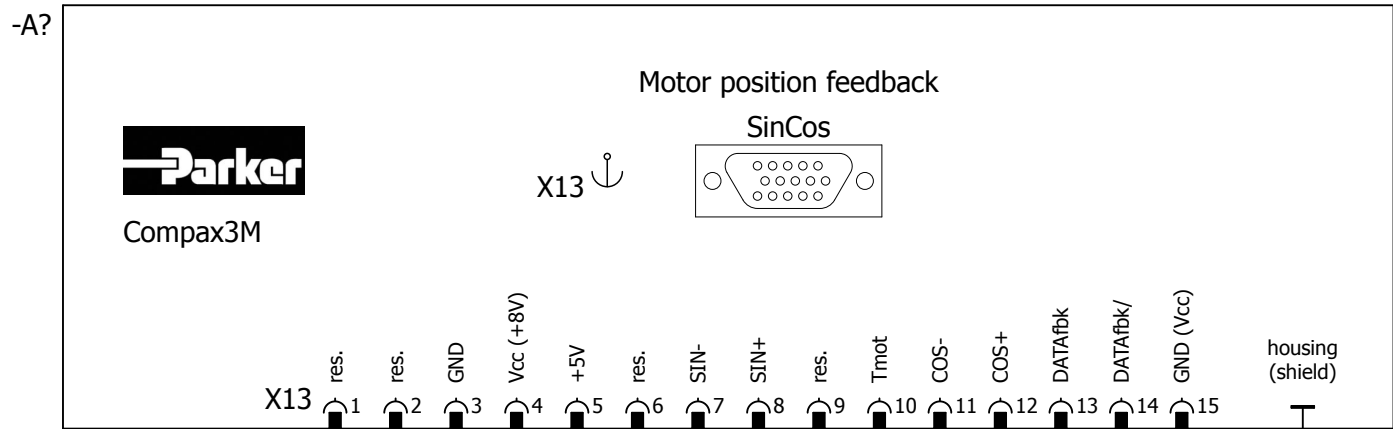
PARKER\Inverter\Compax3M\C3M050-150D6\Compax3M
Multi-axis devices
Compax3M
Version 2012/03
Variante B
Allpolig



PARKER\Inverter\Compax3M\C3M050-150D6\Compax3M
Multi-axis devices
Compax3M
Version 2012/03
Variante C
Allpolig



PARKER\Inverter\Compax3M\C3M050-150D6\Compax3M
Multi-axis devices
Compax3M
Version 2012/03
Variante D
Allpolig



PARKER\Inverter\Compax3M\C3M050-150D6\Compax3M

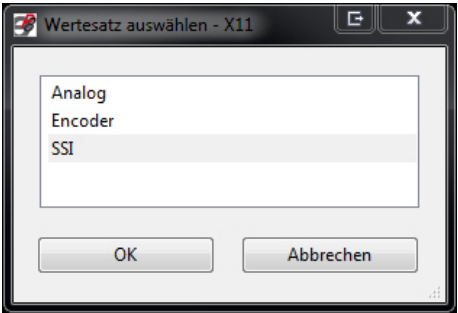
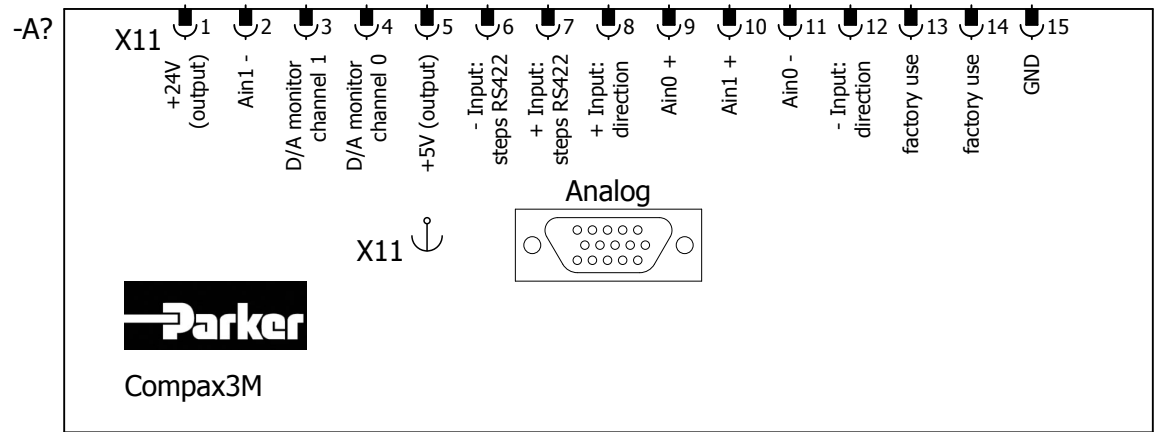
Multi-axis devices

Compax3M

Version 2012/03

Variante E

Allpolig



PARKER\Inverter\Compax3M\C3M050-150D6\Compax3M

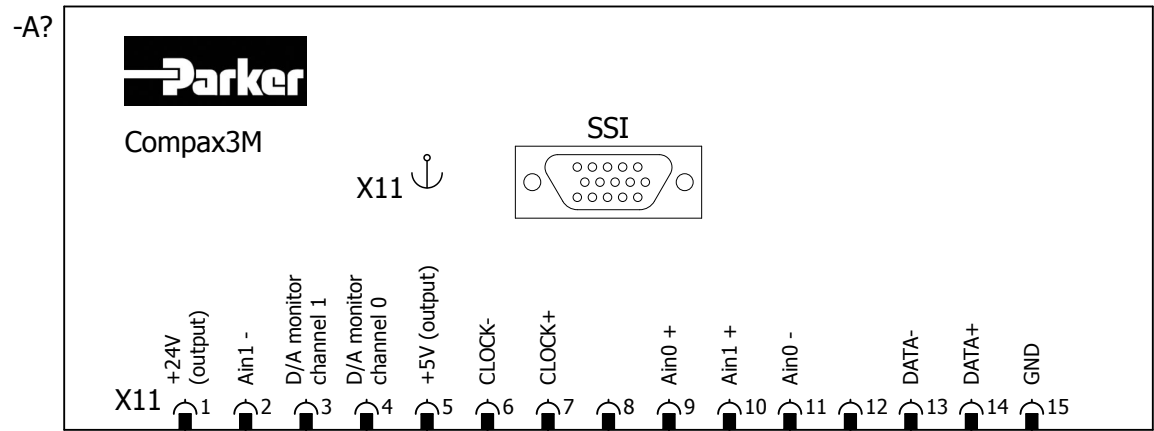
Multi-axis devices

Compax3M

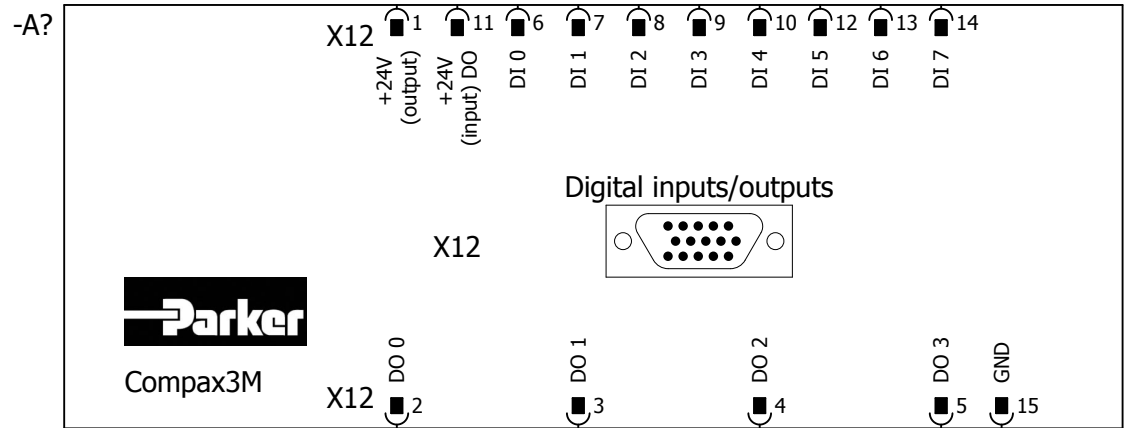
Version 2012/03

Variante F

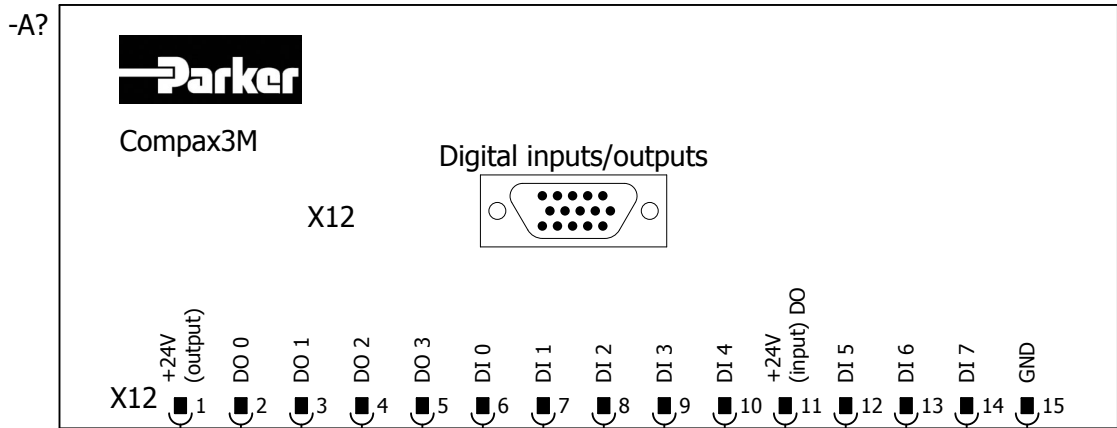
Allpolig



PARKER\Inverter\Compax3M\C3M050-150D6\Compax3M
Multi-axis devices
Compax3M
Version 2012/03
Variante G
Allpolig

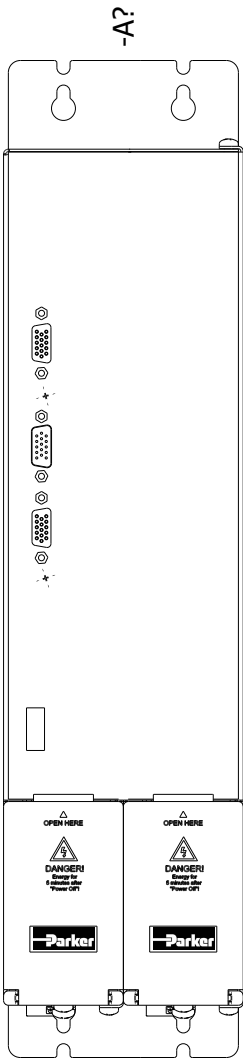


PARKER\Inverter\Compax3M\C3M050-150D6\Compax3M
Multi-axis devices
Compax3M
Version 2012/03
Variante H
Allpolig



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			Ed. by	SHE					= Inverter	from	6
			Appr.						++ Compax3M		
Modification	Date	Name	Original		Replacement for	Replaced by		+ C3M050-105D6		Sheet	318 / 708

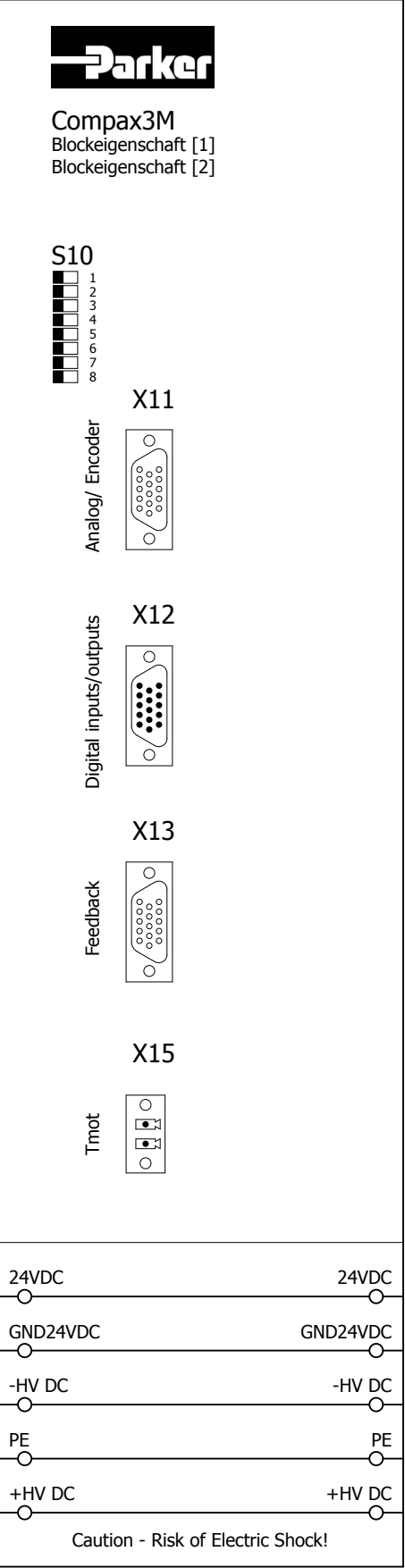
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Multi-axis devices
Compax3M
Version 2012/03
Variante A
Übersicht



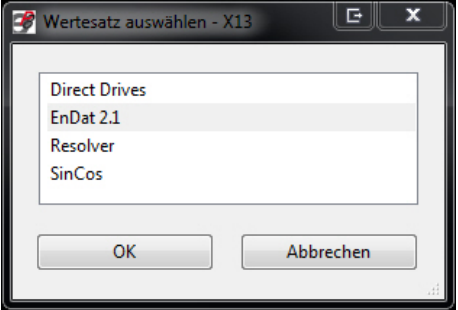
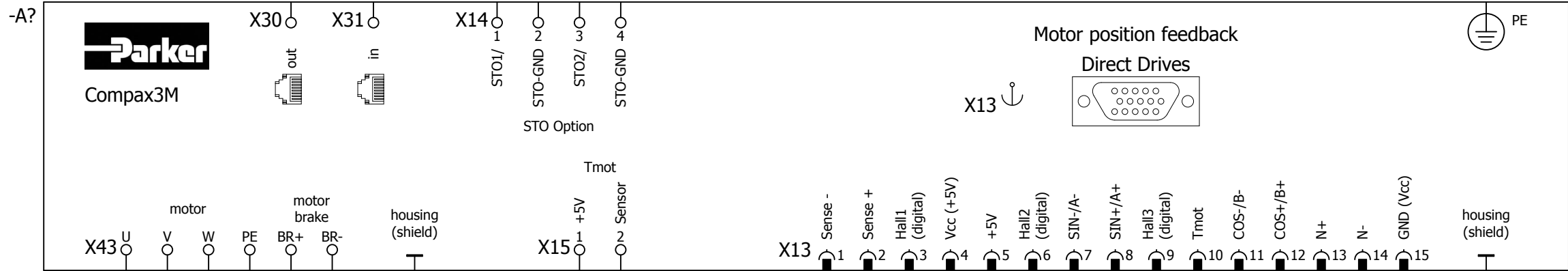


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Multi-axis devices
Compax3M
Version 2012/03
Variante A
Allpolig

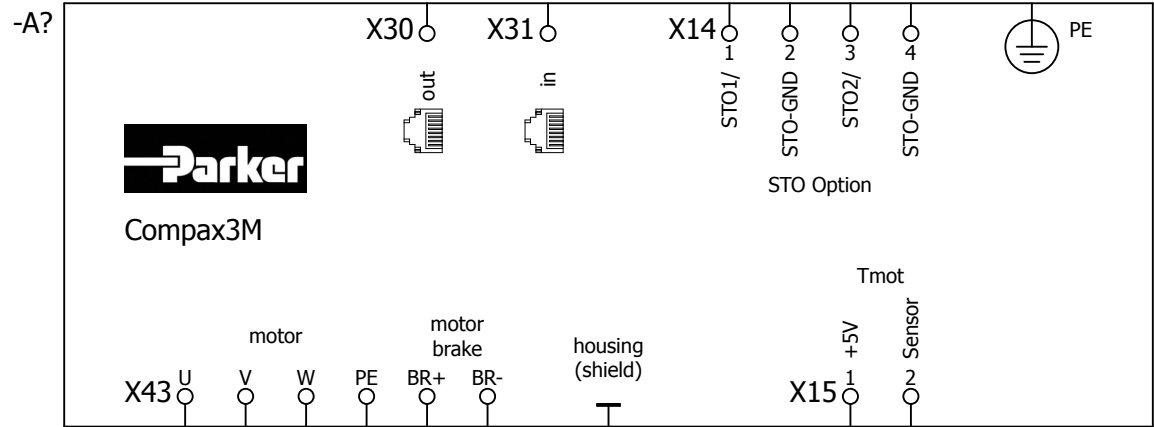
-A?



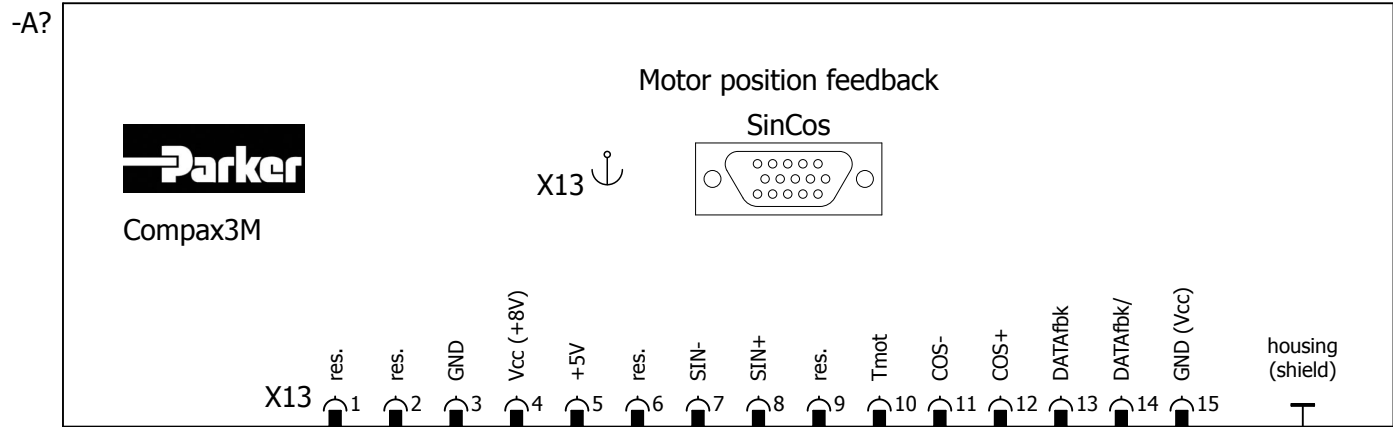
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Multi-axis devices
Compax3M
Version 2012/03
Variante B
Allpolig



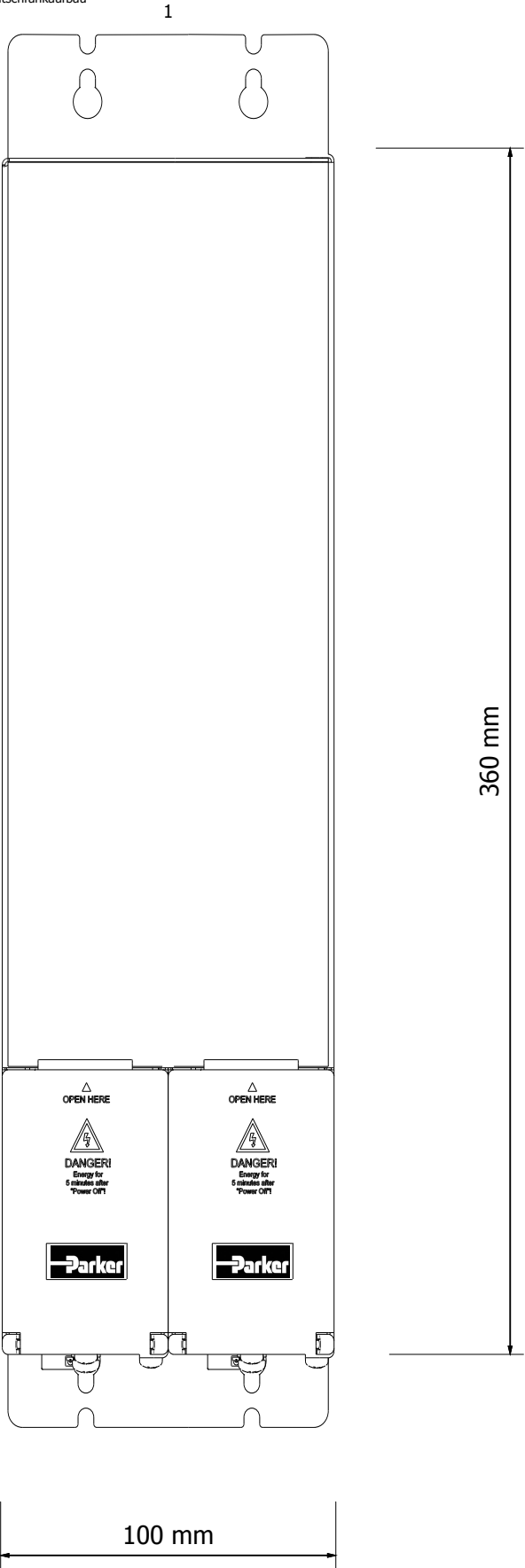
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Multi-axis devices
Compax3M
Version 2012/03
Variante C
Allpolig



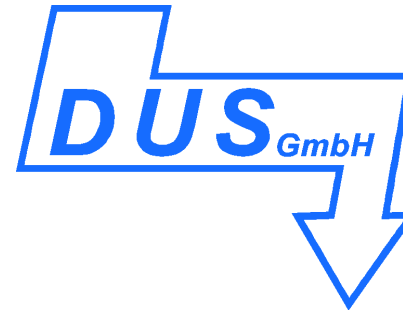
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Multi-axis devices
Compax3M
Version 2012/03
Variante D
Allpolig



PARKER\Inverter\Compax3M\C3M300D6\Compax3M
Multi-axis devices
Compax3M
Version 2012/03
Variante A
Schaltschrankaufbau



0	1	2	3	4	5	6	7	8	9				
Parts list													
Device tag Placement		Designation			Type number Order number		Manufacturer Supplier	Part number Function text					
+C3M050-105D6 +C3M050-105D6/2.0		Compax 3M Servo Controller 5/10A, 3,33kVA, 325/679V			C3M050D6 C3M050D6		Parker Hannifin GmbH Parker Hannifin GmbH	PARKER.C3M050D6					
+C3M050-105D6 +C3M050-105D6/2.0		Compax 3M Servo Controller 10/20A, 6,66kVA, 325/679V			C3M100D6 C3M100D6		Parker Hannifin GmbH Parker Hannifin GmbH	PARKER.C3M100D6					
+C3M050-105D6 +C3M050-105D6/2.0		Compax 3M Servo Controller 15/30A, 10kVA, 325/679V			C3M150D6 C3M150D6		Parker Hannifin GmbH Parker Hannifin GmbH	PARKER.C3M150D6					
+C3M300D6 +C3M300D6/2.0		Compax 3M Servo Controller 30/60A, 20kVA, 325/679V			C3M300D6 C3M300D6		Parker Hannifin GmbH Parker Hannifin GmbH	PARKER.C3M300D6					
			Date	11.06.2012	Macros for Eplan Electric P8			Parts list		== PARKER		Page	1
			Ed. by	SHE						= Inverter		from	1
			Appr.							++ Compax3M			
Modification	Date	Name	Original		Replacement for	Replaced by				+ PARTS		Sheet	326 / 708



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E-Mail: info@smartplanning.de
<http://www.smartplanning.de>

Company: Parker Hannifin Manufacturing Germany GmbH & Co KG
Electromechanical Division Europe

Street: Robert-Bosch-Strasse 22

City: 77656 Offenburg (Germany)



<http://www.parker.com/eme>

Project: Makros_2012_03

Project description: Macros for Eplan Electric P8

Inverter: Compax3H

Status: 03-2012

CAE: Eplan Electric P8 2.1.6.5473

Created on 25.11.2011

Edit date 11.06.2012

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			Ed. by	SHE					= Inverter		4
			Appr.						++ Compax3H		
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			Appr.					++ Compax3H				
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			Date	11.06.2012	Macros for Eplan Electric P8			Table of contents		== PARKER	Page	3
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			Appr.					++ Compax3H				
Modification	Date	Name	Original		Replacement for	Replaced by			+ DOC		Sheet	329 / 708

Macros for Eplan Electric P8

LEGAL NOTICE AND EXCLUSION OF LIABILITY

This project is all rights reserved and the intellectual property of the company
Parker Hannifin Manufacturing Germany GmbH & Co KG
Electromechanical Division Europe
Robert-Bosch-Strasse 22
77656 Offenburg (Germany)
All statements are made with the best intentions and the best of our knowledge and belief.
For the correctness and completeness of the specification no adhesion is taken over.
No responsibility is accepted for the using of the product data with the CAE system Eplan Electric P8.

Project structure

This project is a macro project and contains CAE data for Eplan Electric P8.

CAE data:

Type	File name	Version	File type
Macros	Makros_Compax3H_	03_2012	.zw5
Parts data	Parts_Makros_Compax3H_	03_2012	.zw6
Parts data import file	Parts_Makros_Compax3H_	03_2012	.xml

Data directories:

..\EPLAN\Electric P8\...\ PARKER\Inverter\Compax3H\

Parts data:

For all macros parts data have been created.
They apply to the internal part selection.
For the data exchange between parts data and project / project and parts data the Eplan Electric P8 functions for synchronize parts data will be use.

Eigenschaften (Schaltzeichen): Platzhalterobjekt

Platzhalterobjekt

Anzeige

Symbol- / Funktionsdaten

Name:

X11

Zuordnung

Werte

Variable	Analog	Encoder	SSI
X11_1	+24V (output)	+24V (output)	+24V (output)
X11_2	Ain1 -	Ain1 -	Ain1 -
X11_3	D/A monitor cha...	D/A monitor cha...	D/A monitor ...
X11_4	D/A monitor cha...	D/A monitor cha...	D/A monitor ...
X11_5	+5V (output)	+5V (output)	+5V (output)
X11_6	- Input: steps RS4...	A/	CLOCK-
X11_7	+ Input: steps RS...	A	CLOCK+
X11_8	+ Input: directio...	B	
X11_9	Ain0 +	Ain0 +	Ain0 +
X11_10	Ain1 +	Ain1 +	Ain1 +
X11_11	Ain0 -	Ain0 -	Ain0 -
X11_12	- Input: direction...	B/	
X11_13	res.	N/	DATA-
X11_14	res.	N	DATA+
X11_15	GND	GND	GND

Vorschau

OK

Abbrechen

Übernehmen

Eigenschaften (Schaltzeichen): Platzhalterobjekt

Platzhalterobjekt

Anzeige

Symbol- / Funktionsdaten

Name:

X10

Zuordnung

Werte

Variable	RS232	RS485 2-wire	RS485 4-wire
X10_1	(Enable) 0V	Enable (+5V)	Enable (+5V)
X10_2	RxD	res.	RxD
X10_3	TxD	TxD_RxD/	TxD/
X10_4	DTR	res.	res.
X10_5	GND	GND	GND
X10_6	DSR	res.	res.
X10_7	RTS	TxD_RxD	TxD
X10_8	CTS	res.	RxD/
X10_9	+5V	+5V	+5V

Vorschau

OK

Abbrechen

Übernehmen

Eigenschaften (Schaltzeichen): Platzhalterobjekt

Platzhalterobjekt

Anzeige

Symbol- / Funktionsdaten

Name:

X13

Zuordnung

Werte

Variable	Resolver	SinCos	EnDat 2.1	Direct Drives
X13_1	res.	res.	Sense -	Sense -
X13_2	res.	res.	Sense +	Sense +
X13_3	GND	GND	res.	Hall1 (digital)
X13_4	REF- Resolver+	Vcc (+8V)	Vcc (+5V)	Vcc (+5V)
X13_5	+5V	+5V	+5V	+5V
X13_6	res.	res.	CLKfbk	Hall2 (digital)
X13_7	SIN-	SIN-	SIN-/A-	SIN-/A-
X13_8	SIN+	SIN+	SIN+/A+	SIN+/A+
X13_9	res.	res.	CLKfbk/	Hall3 (digital)
X13_10	Tmot	Tmot	Tmot	Tmot
X13_11	COS-	COS-	COS-/B-	COS-/B-
X13_12	COS+	COS+	COS+/B+	COS+/B+
X13_13	res.	DATAfbk	DATAfbk	N+
X13_14	res.	DATAfbk/	DATAfbk/	N-
X13_15	REF- Resolver-	GND (Vcc)	GND (Vcc)	GND (Vcc)

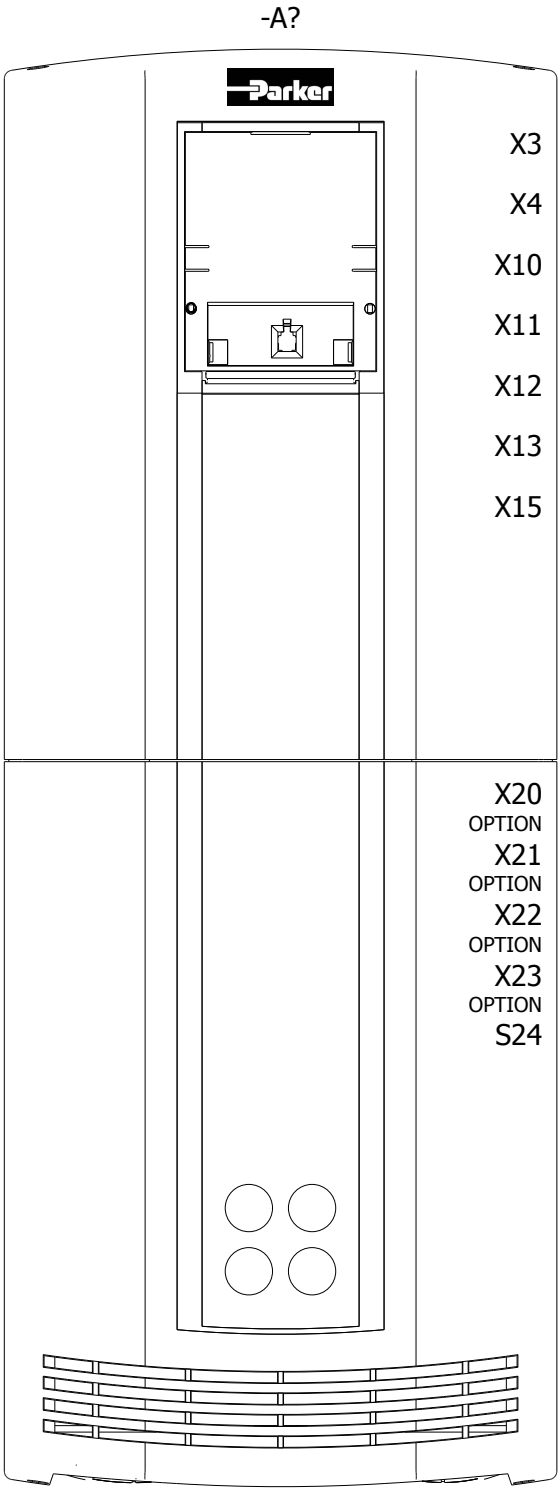
Vorschau

OK

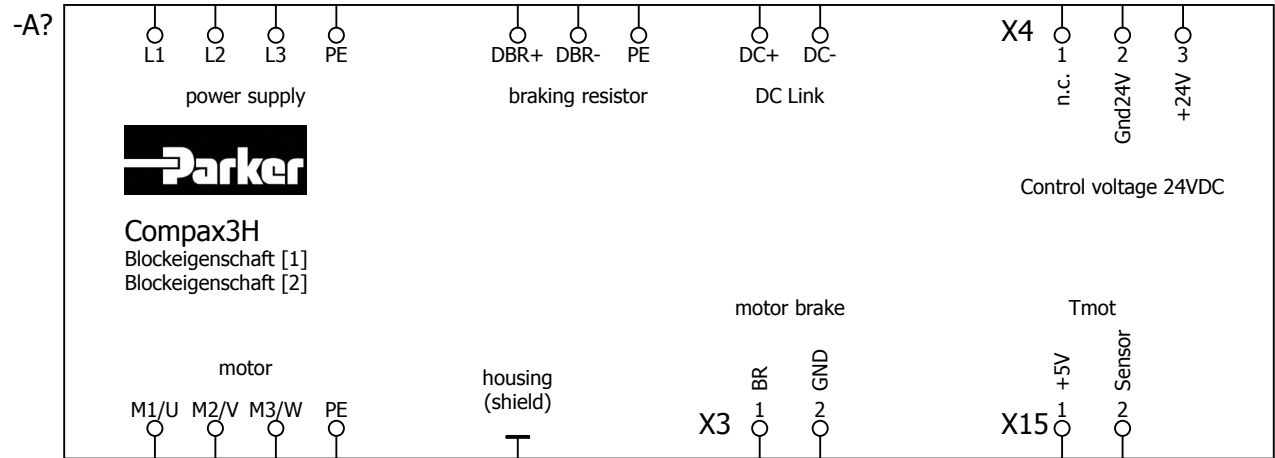
Abbrechen

Übernehmen

PARKER\Inverter\Compax3H\050V4\Compax3H
Servo controller
Compax3H050V4
Version 2012/03
Variante A
Übersicht



PARKER\Inverter\Compax3H\050V4\Compax3H
Servo controller
Compax3H050V4
Version 2012/03
Variante A
Allpolig

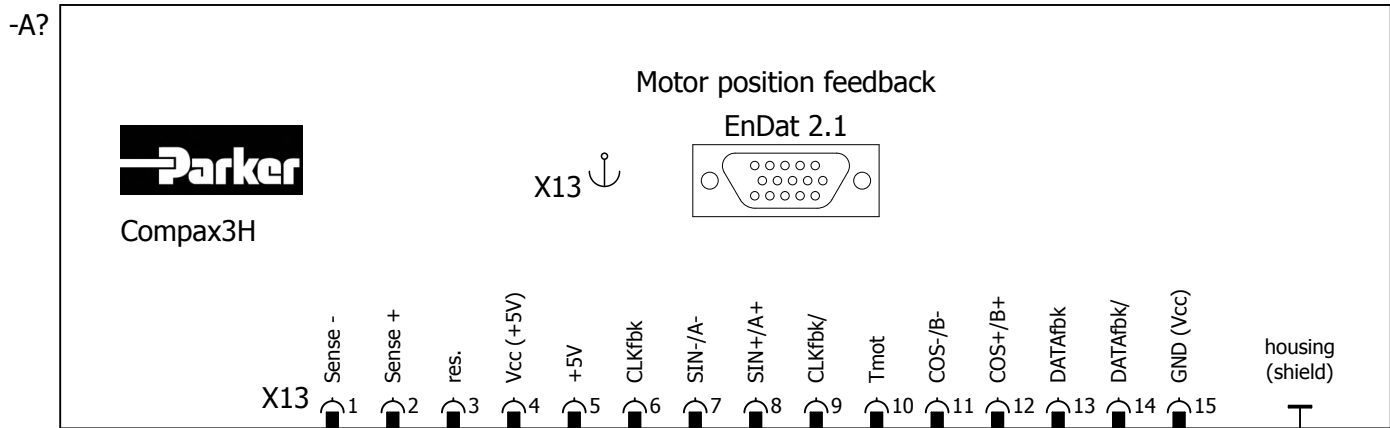


Compax3H

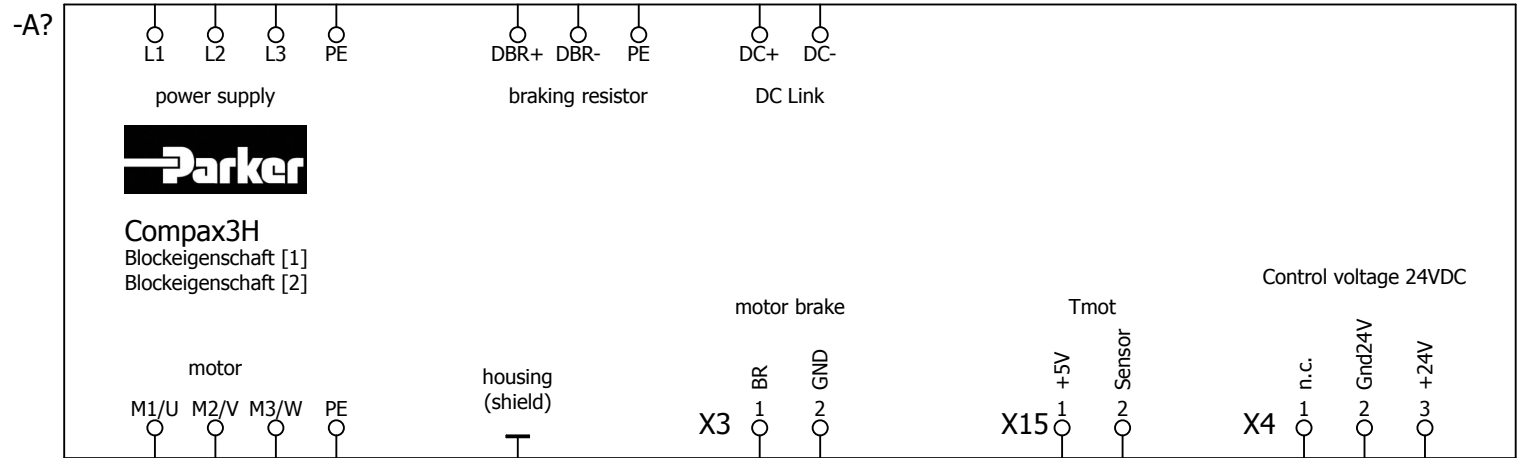
Blockeigenschaft [1]

Blockeigenschaft [2]

PARKER\Inverter\Compax3H\050V4\Compax3H
Servo controller
Compax3H050V4
Version 2012/03
Variante C
Allpolig



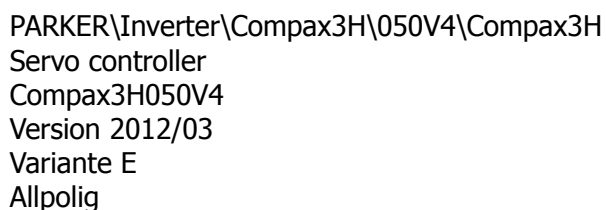
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Servo controller
Compax3H050V4
Version 2012/03
Variante B
Allpolig



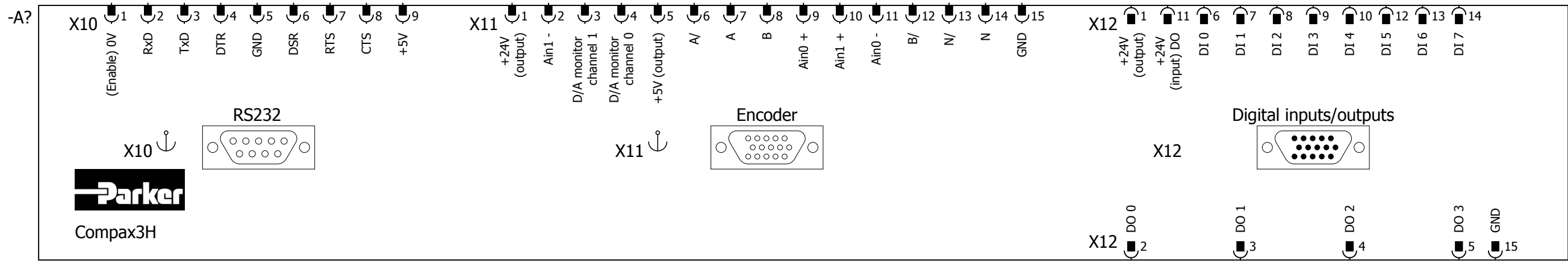
Compax3H

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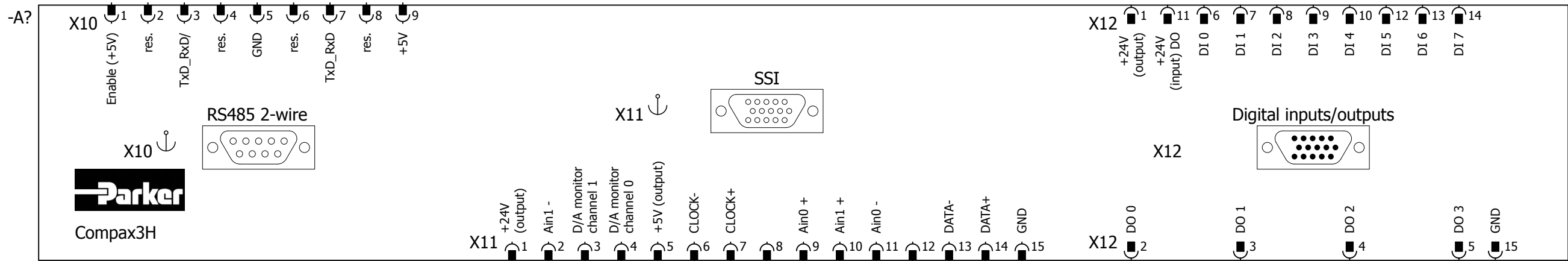
Blockeigenschaft [2]



PARKER\Inverter\Compax3H\050V4\Compax3H
Servo controller
Compax3H050V4
Version 2012/03
Variante F
Allpolig

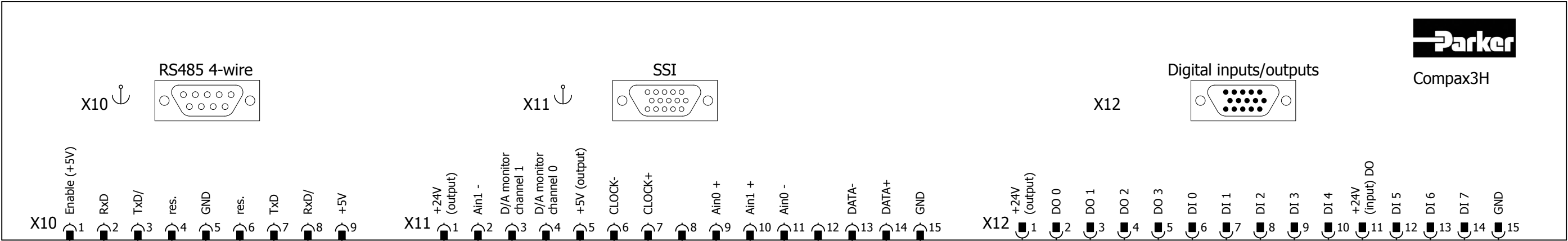


PARKER\Inverter\Compax3H\050V4\Compax3H
Servo controller
Compax3H050V4
Version 2012/03
Variante G
Allpolig



PARKER\Inverter\Compax3H\050V4\Compax3H
Servo controller
Compax3H050V4
Version 2012/03
Variante H
Allpolig

-A?



X10

Enable (+5V)
Rx/D
Tx/D/
res.
GND
res.
Tx/D
Rx/D/
+5V

X11

+24V (output)
Ain1 -
D/A monitor channel 1
D/A monitor channel 0
+5V (output)
CLOCK-
CLOCK+

Ain0 +
Ain1 +
Ain0 -

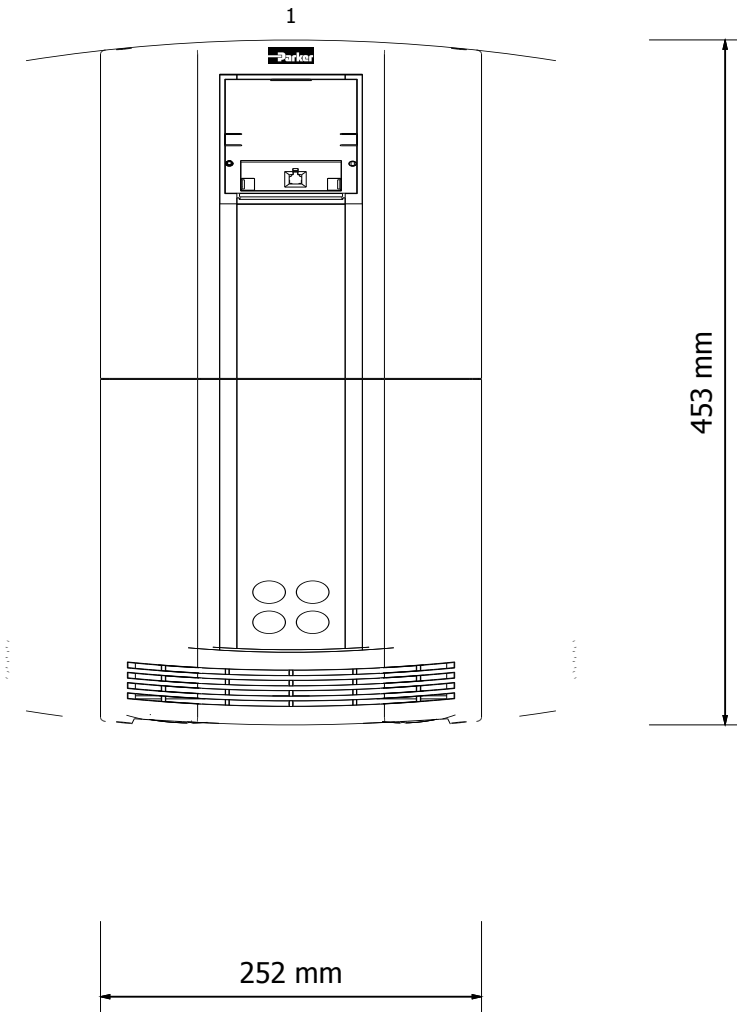
DATA-
DATA+
GND

X12

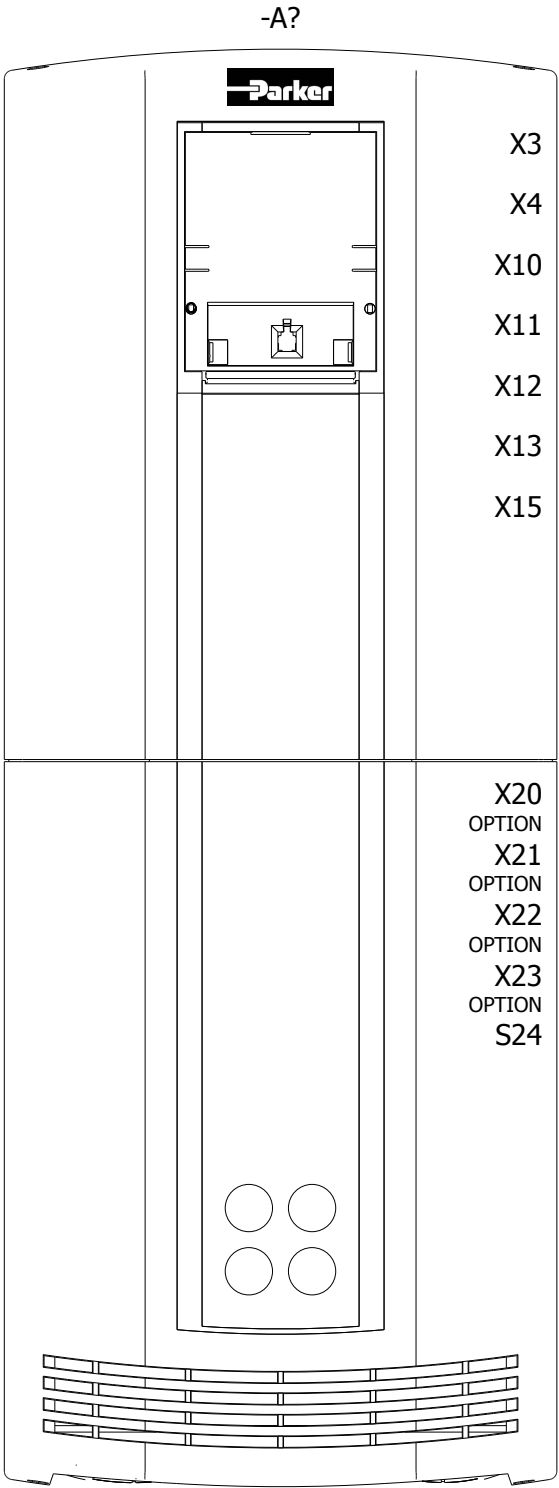
+24V (output)
DO 0
DO 1
DO 2
DO 3
DI 0
DI 1
DI 2
DI 3
DI 4
+24V (input) DO
DI 5
DI 6
DI 7
GND

Compax3H

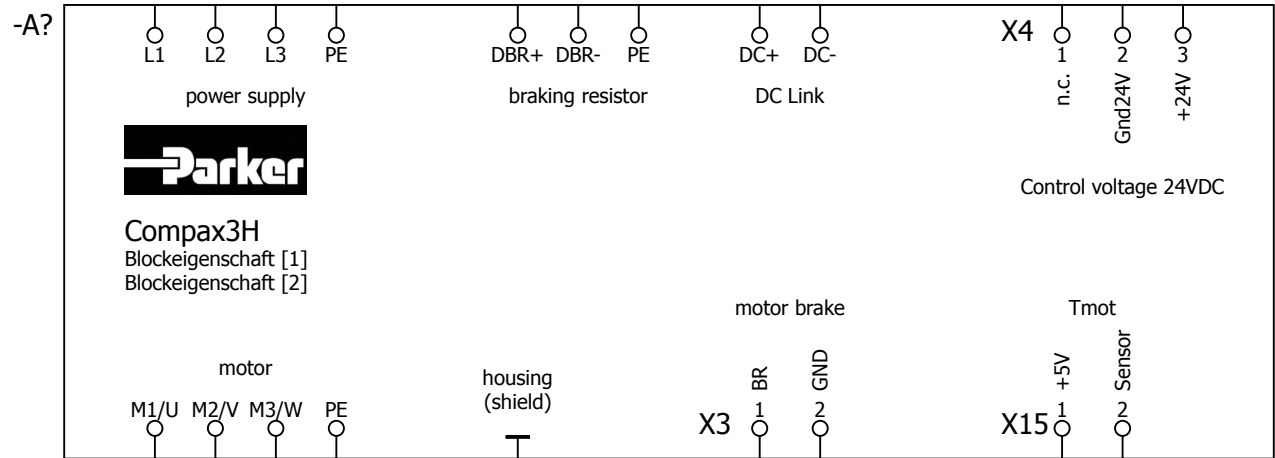
PARKER
Sens controller
Compax3H050V4
Version: 201203
Variante A
Schaltplan Aufbau



PARKER\Inverter\Compax3H\090V4\Compax3H
Servo controller
Compax3H090V4
Version 2012/03
Variante A
Übersicht



PARKER\Inverter\Compax3H\090V4\Compax3H
Servo controller
Compax3H090V4
Version 2012/03
Variante A
Allpolig



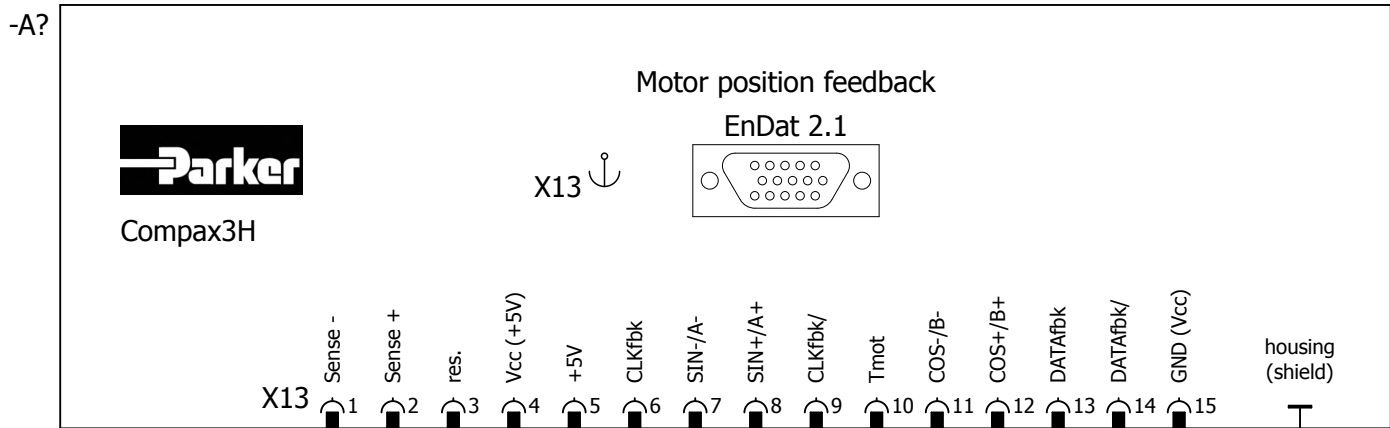
Parker

Compax3H

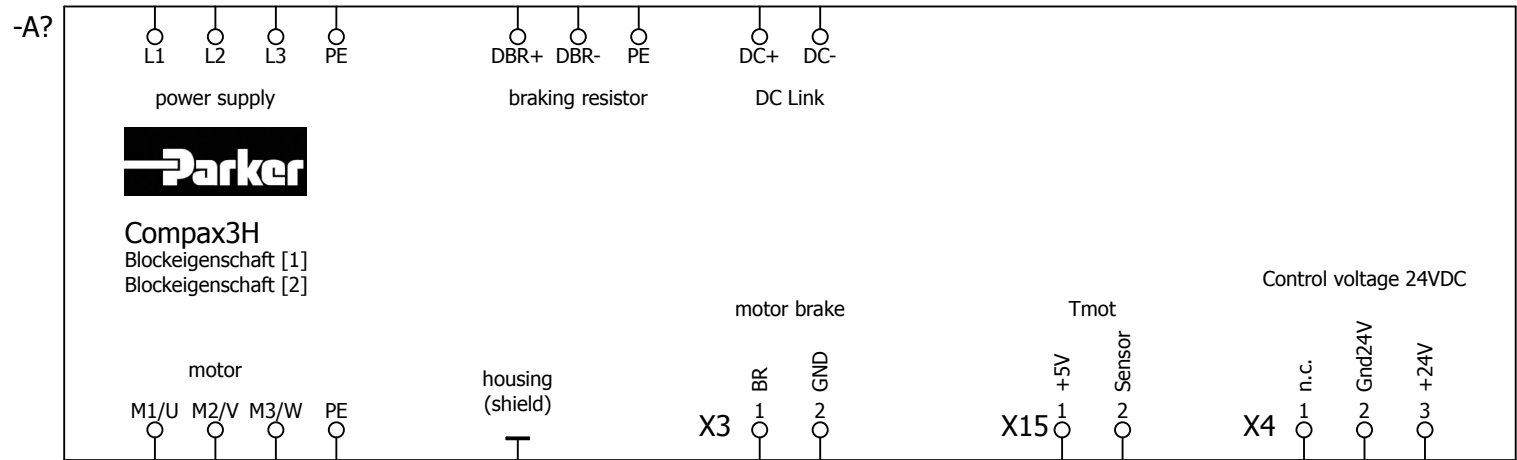
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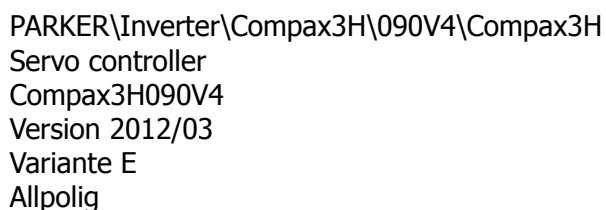
Blockeigenschaft [2]

PARKER\Inverter\Compax3H\090V4\Compax3H
Servo controller
Compax3H090V4
Version 2012/03
Variante C
Allpolig

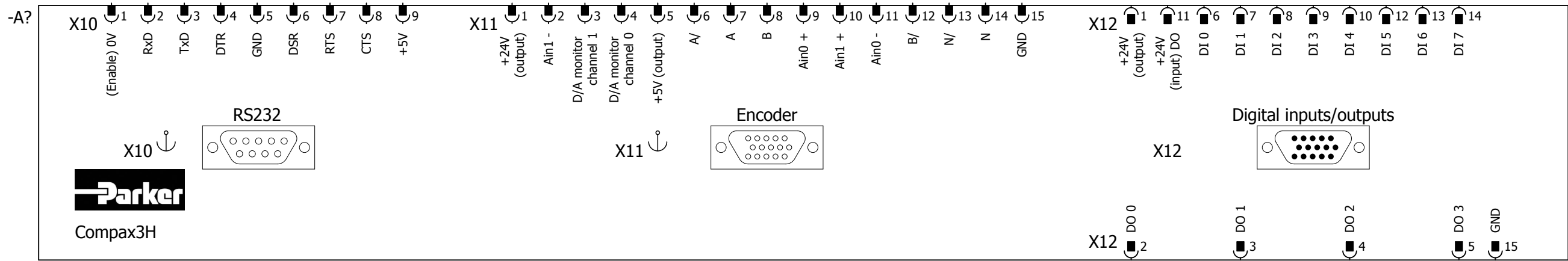


PARKER\Inverter\Compax3H\090V4\Compax3H
Servo controller
Compax3H090V4
Version 2012/03
Variante B
Allpolig

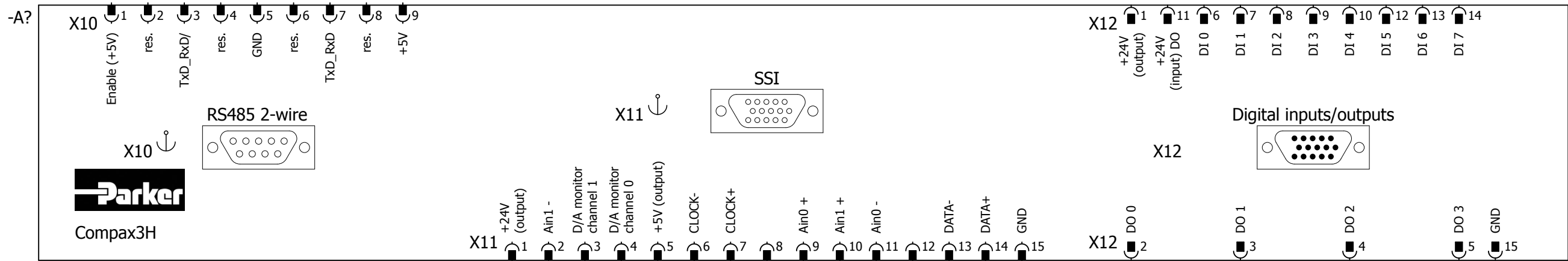




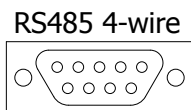
PARKER\Inverter\Compax3H\090V4\Compax3H
Servo controller
Compax3H090V4
Version 2012/03
Variante F
Allpolig



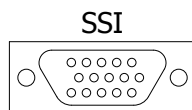
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Servo controller
Compax3H090V4
Version 2012/03
Variante G
Allpolig



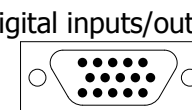
X10



X11



X12



Digital inputs/outputs

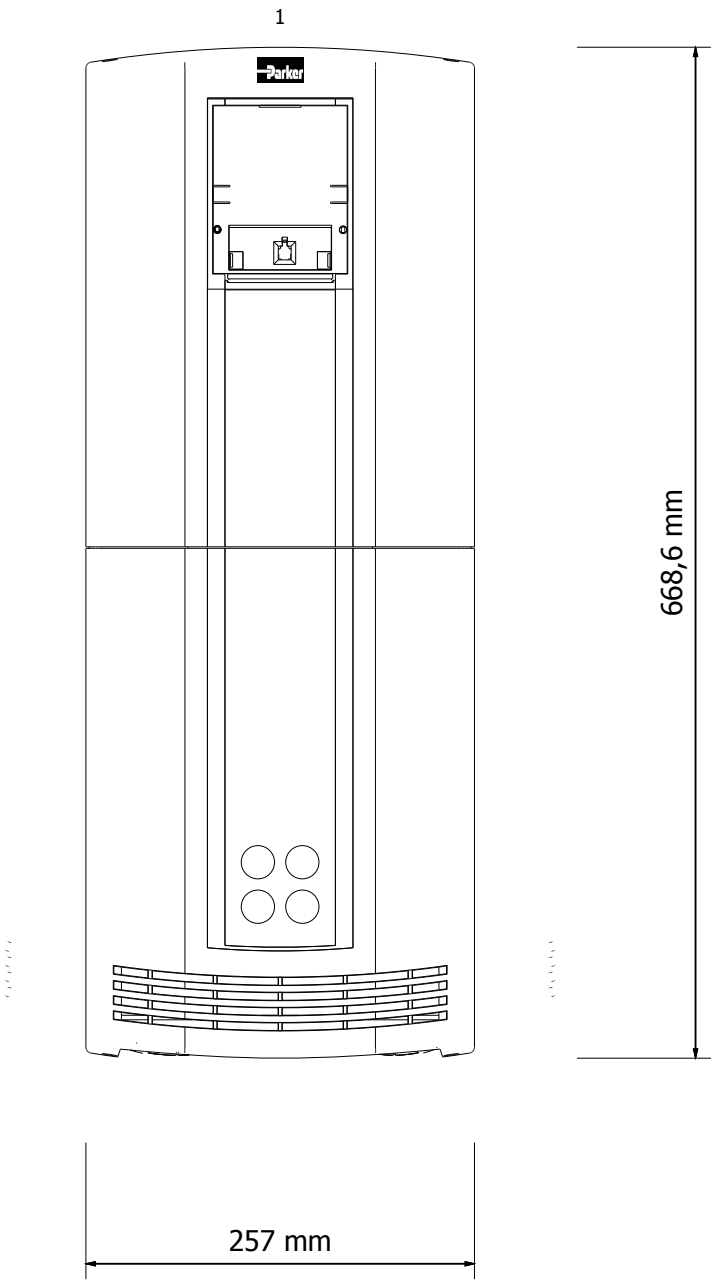


Compax3H

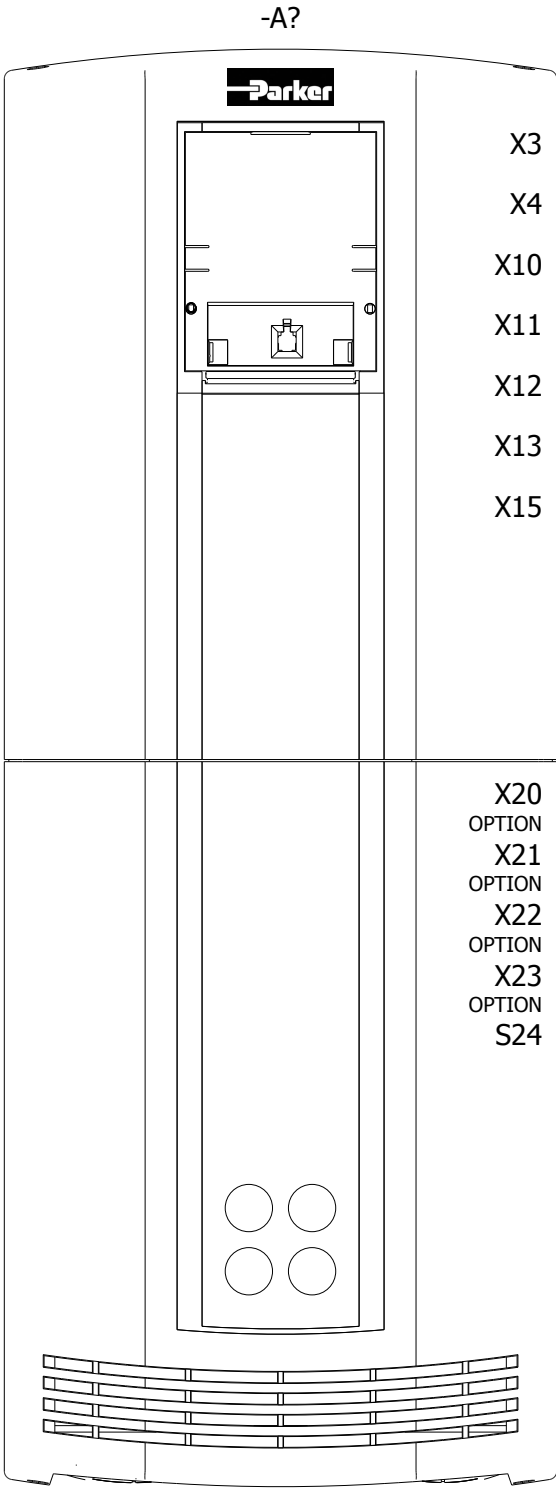


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Modification	Date	Name	Original		Replacement for	Replaced by			+ C3H090V4	Sheet	344 / 708

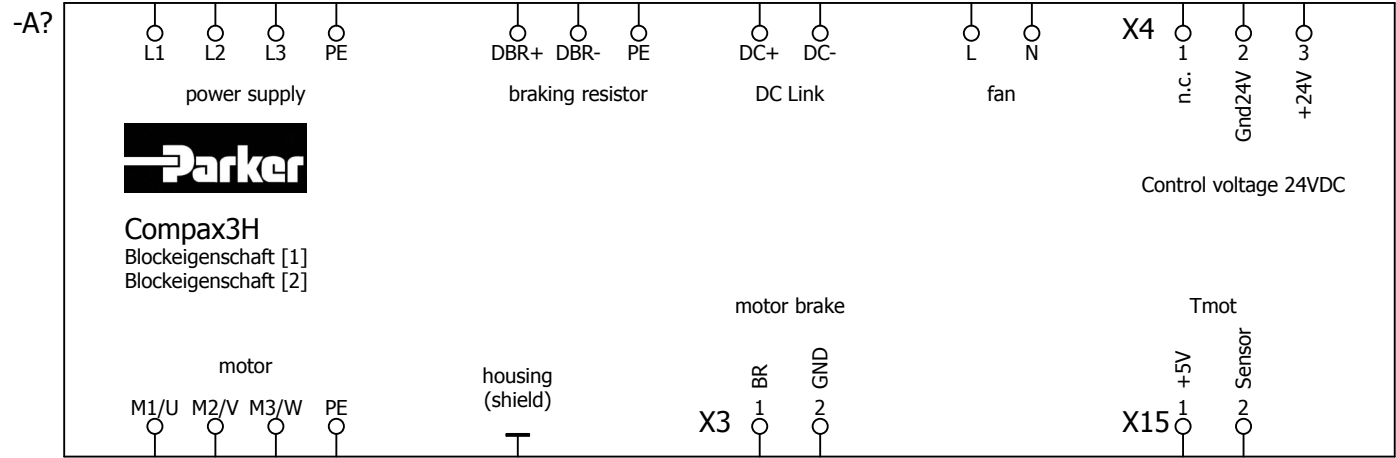
PARKER3H090V4
 Parker3H090V4
 Compax3H090V4
 Version: 01.1.2012
 Variante: A
 Schallleistungspegel



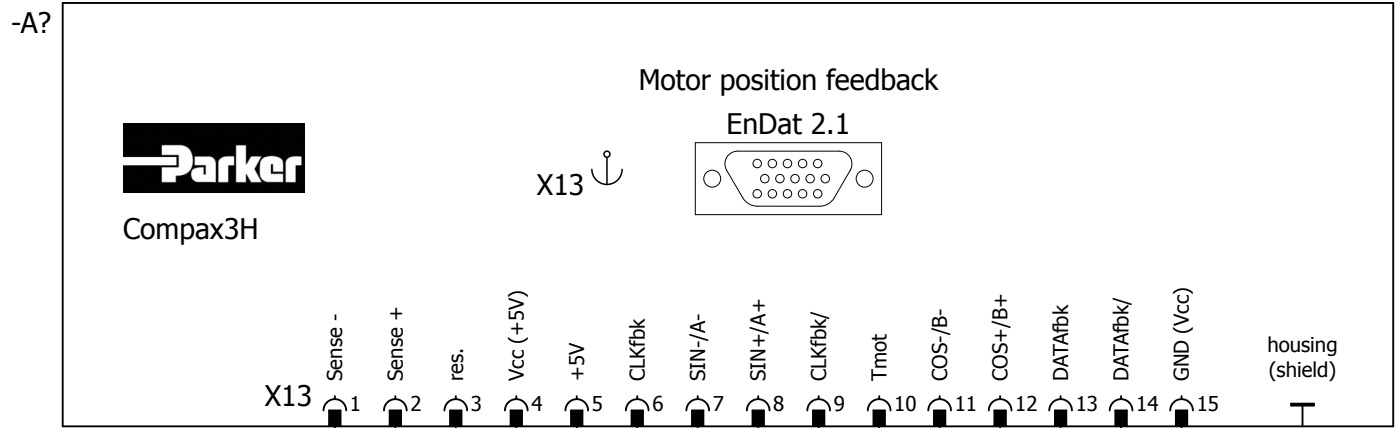
PARKER\Inverter\Compax3H\125V4\Compax3H
Servo controller
Compax3H125V4
Version 2012/03
Variante A
Übersicht



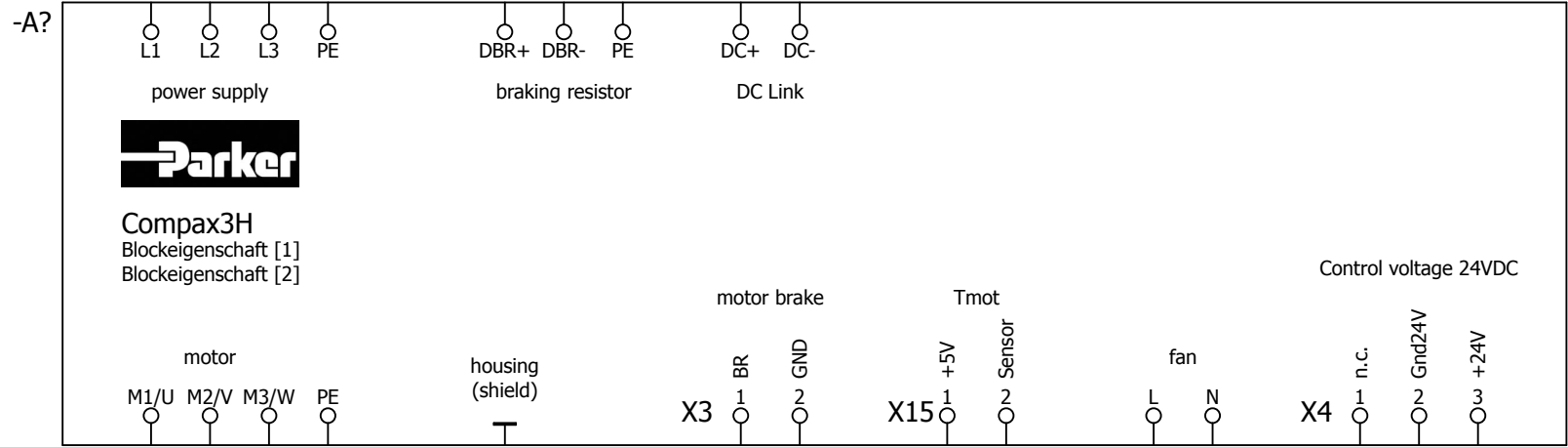
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Servo controller
Compax3H125V4
Version 2012/03
Variante A
Allpolig



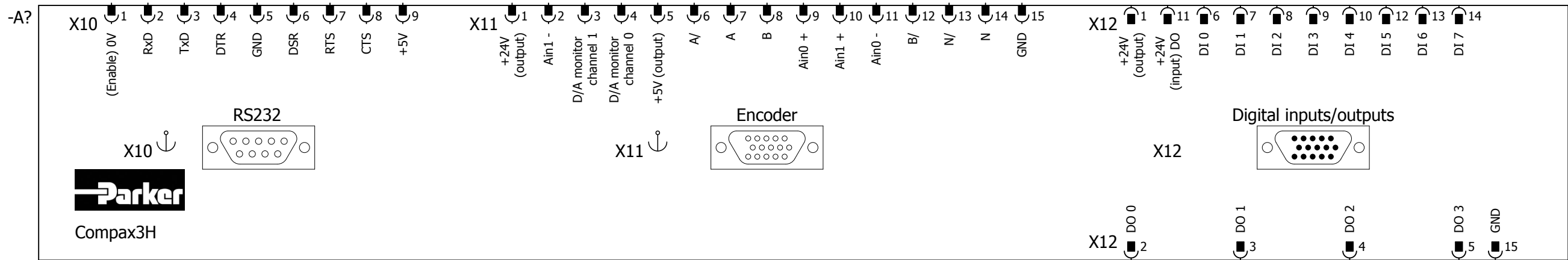
PARKER\Inverter\Compax3H\125V4\Compax3H
Servo controller
Compax3H125V4
Version 2012/03
Variante C
Allpolig



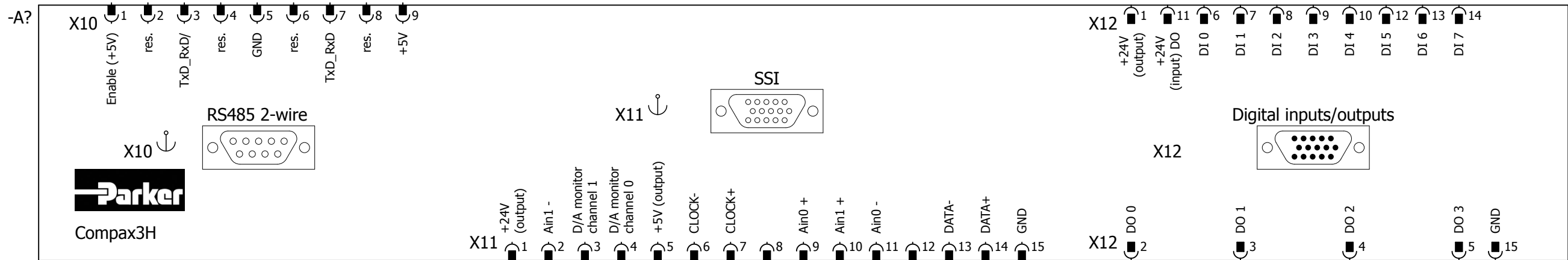
PARKER\Inverter\Compax3H\125V4\Compax3H
Servo controller
Compax3H125V4
Version 2012/03
Variante B
Allpolig

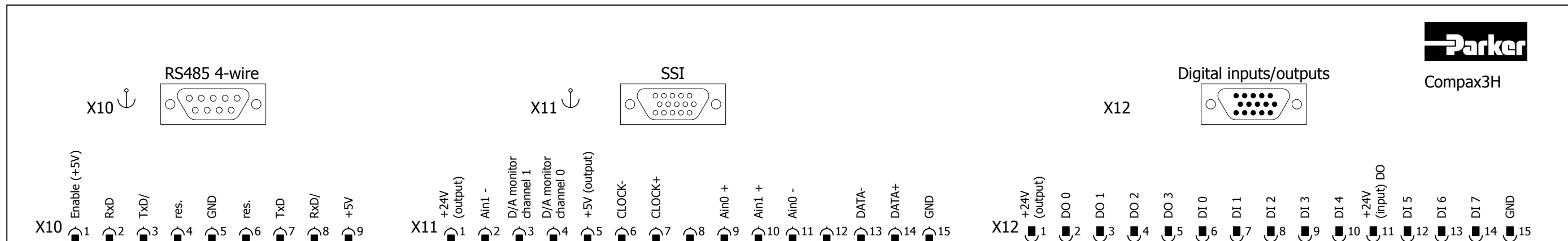


PARKER\Inverter\Compax3H\125V4\Compax3H
Servo controller
Compax3H125V4
Version 2012/03
Variante F
Allpolig



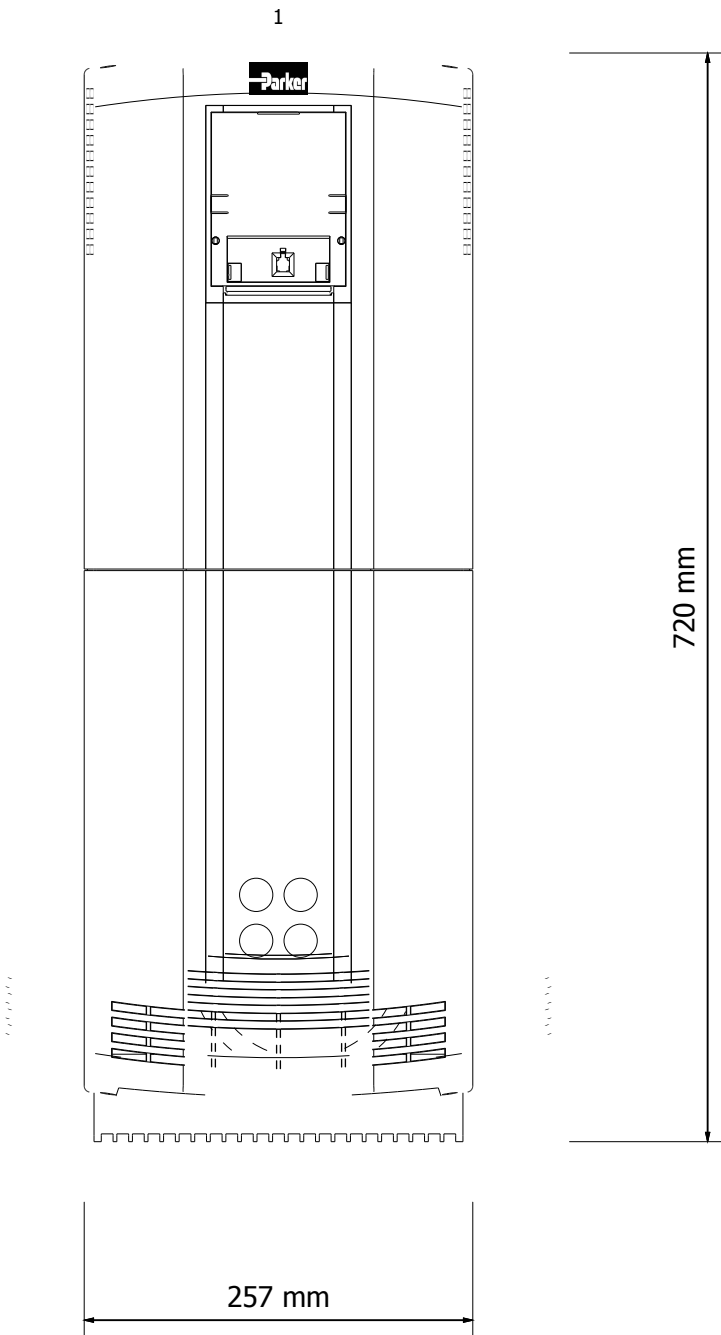
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Servo controller
Compax3H125V4
Version 2012/03
Variante G
Allpolig



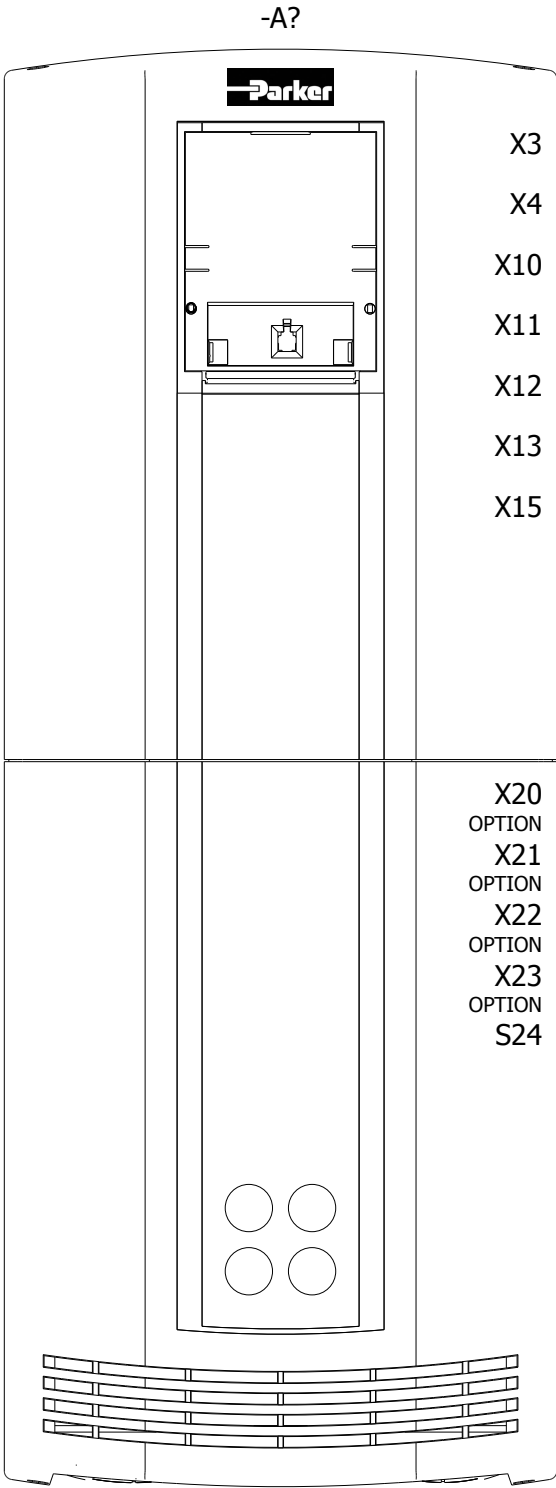


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Modification	Date	Name	Original		Replacement for	Replaced by			+ C3H125V4	Sheet	350 / 708

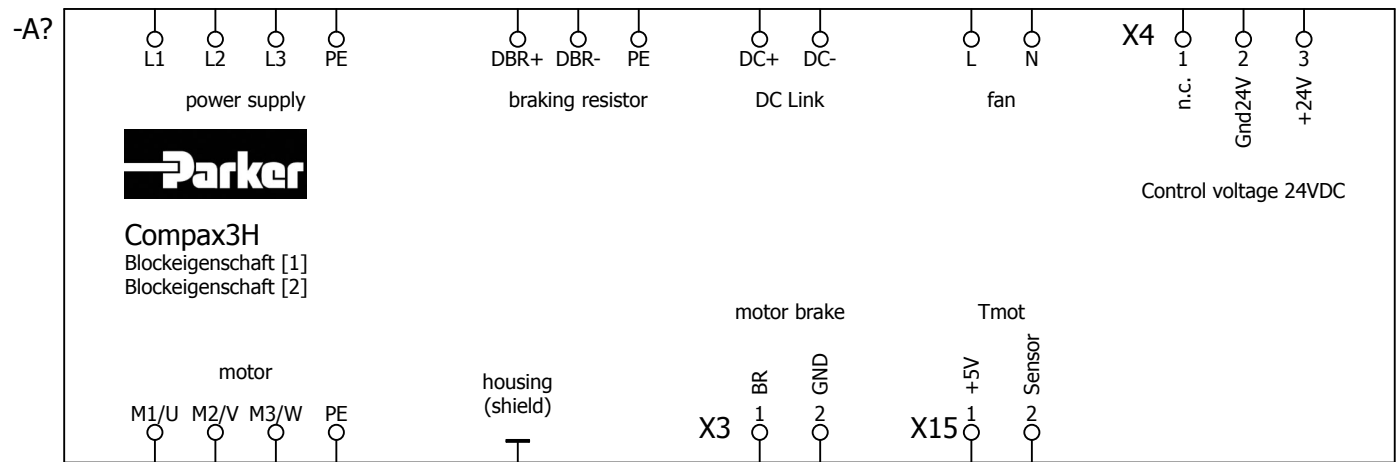
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 3H125V4
 Compax3H125V4
 Version: 01.0.0.0
 Variante: A
 Schallleistungspegel



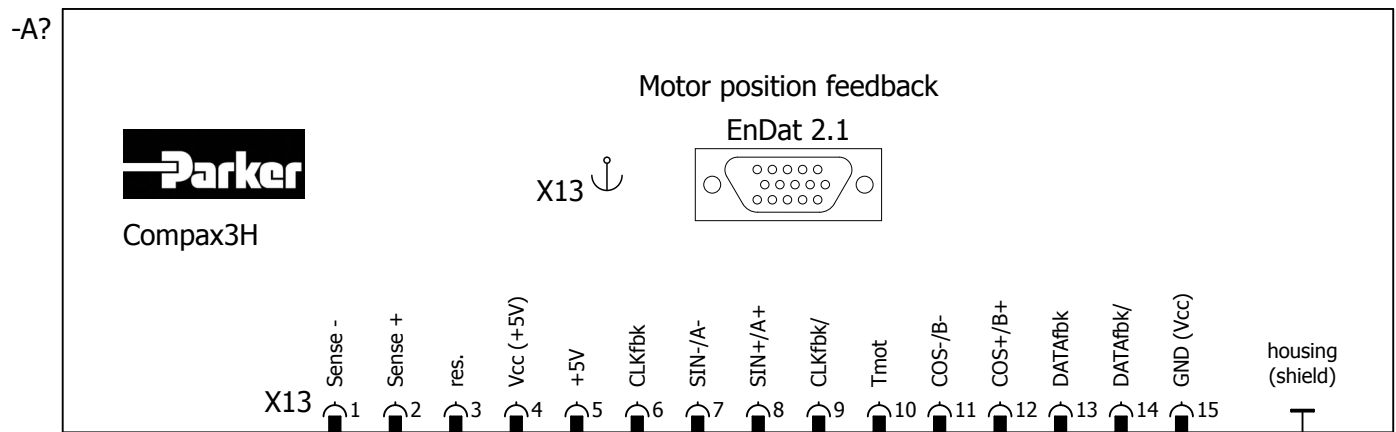
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Servo controller
Compax3H155V4
Version 2012/03
Variante A
Übersicht



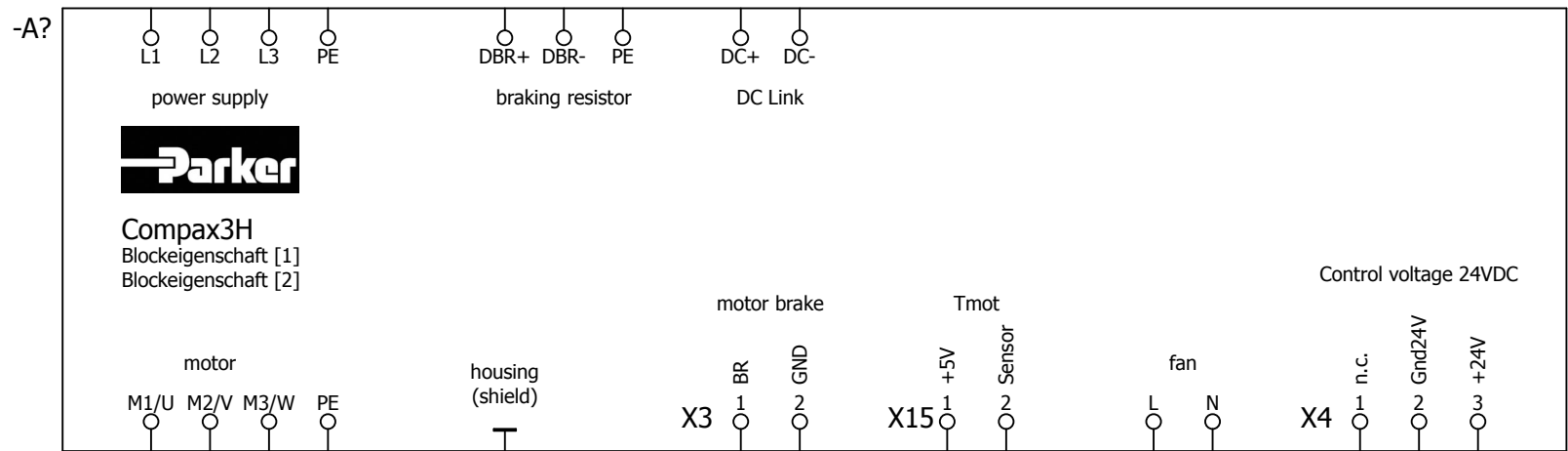
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Servo controller
Compax3H155V4
Version 2012/03
Variante A
Allpolig



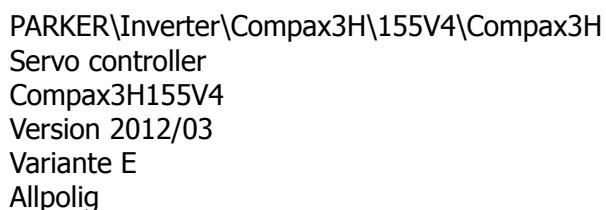
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Servo controller
Compax3H155V4
Version 2012/03
Variante C
Allpolig



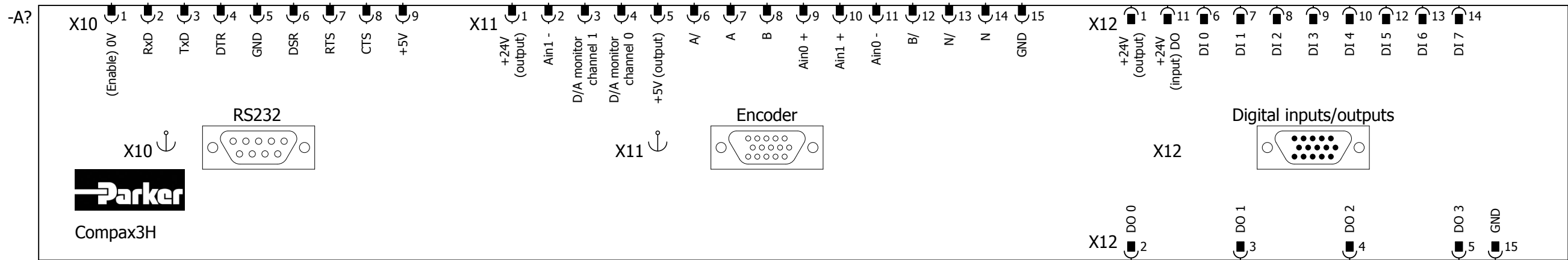
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Servo controller
Compax3H155V4
Version 2012/03
Variante B
Allpolig



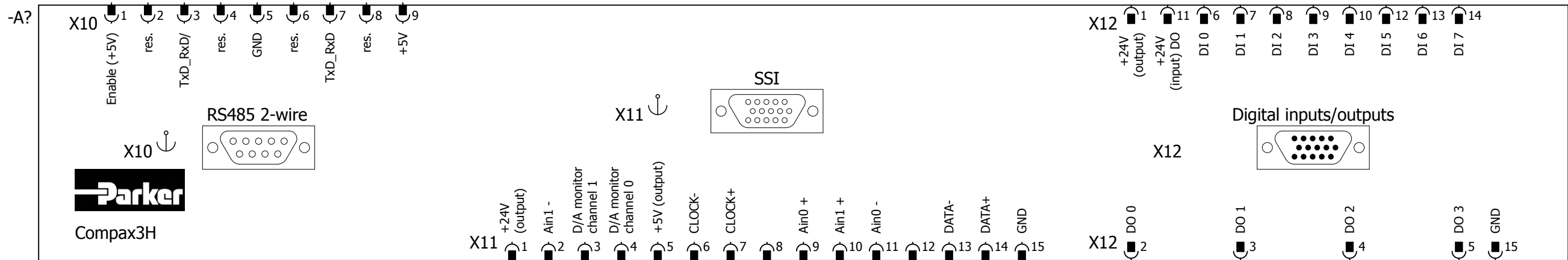
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			Appr.						++ Compax3H		
Modification	Date	Name	Original		Replacement for	Replaced by			+ C3H155V4	Sheet	353 / 708



PARKER\Inverter\Compax3H\155V4\Compax3H
Servo controller
Compax3H155V4
Version 2012/03
Variante F
Allpolig

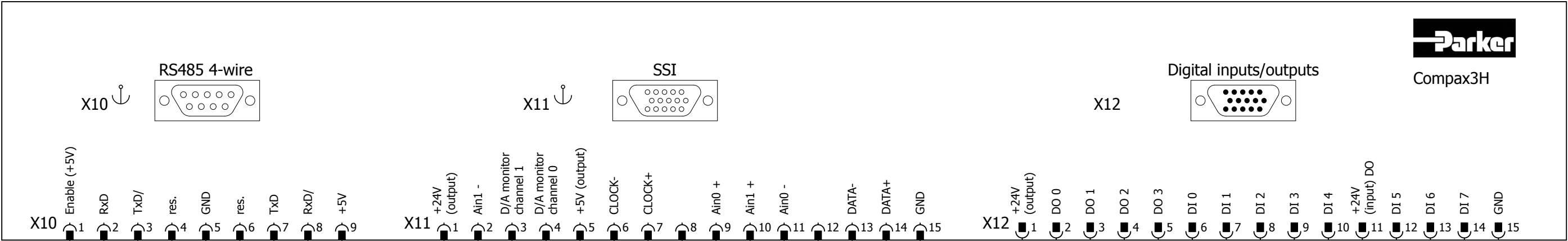


PARKER\Inverter\Compax3H\155V4\Compax3H
Servo controller
Compax3H155V4
Version 2012/03
Variante G
Allpolig



PARKER\Inverter\Compax3H\155V4\Compax3H
Servo controller
Compax3H155V4
Version 2012/03
Variante H
Allpolig

-A?



Compax3H

Enable (+5V)

RxD

TxD/

res.

GND

res.

TxD

RxD/

+5V

+24V (output)

Ain1 -

D/A monitor channel 1

D/A monitor channel 0

+5V (output)

CLOCK-

CLOCK+

Ain0 +

Ain1 +

Ain0 -

DATA-

DATA+

GND

+24V (output)

DO 0

DO 1

DO 2

DO 3

DI 0

DI 1

DI 2

DI 3

DI 4

+24V (input) DO

DI 5

DI 6

DI 7

GND

X10

1

2

3

4

5

6

7

8

9

X11

1

2

3

4

5

6

7

8

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10

11

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13

14

15

X12

1

2

3

4

5

6

7

8

9

10

11

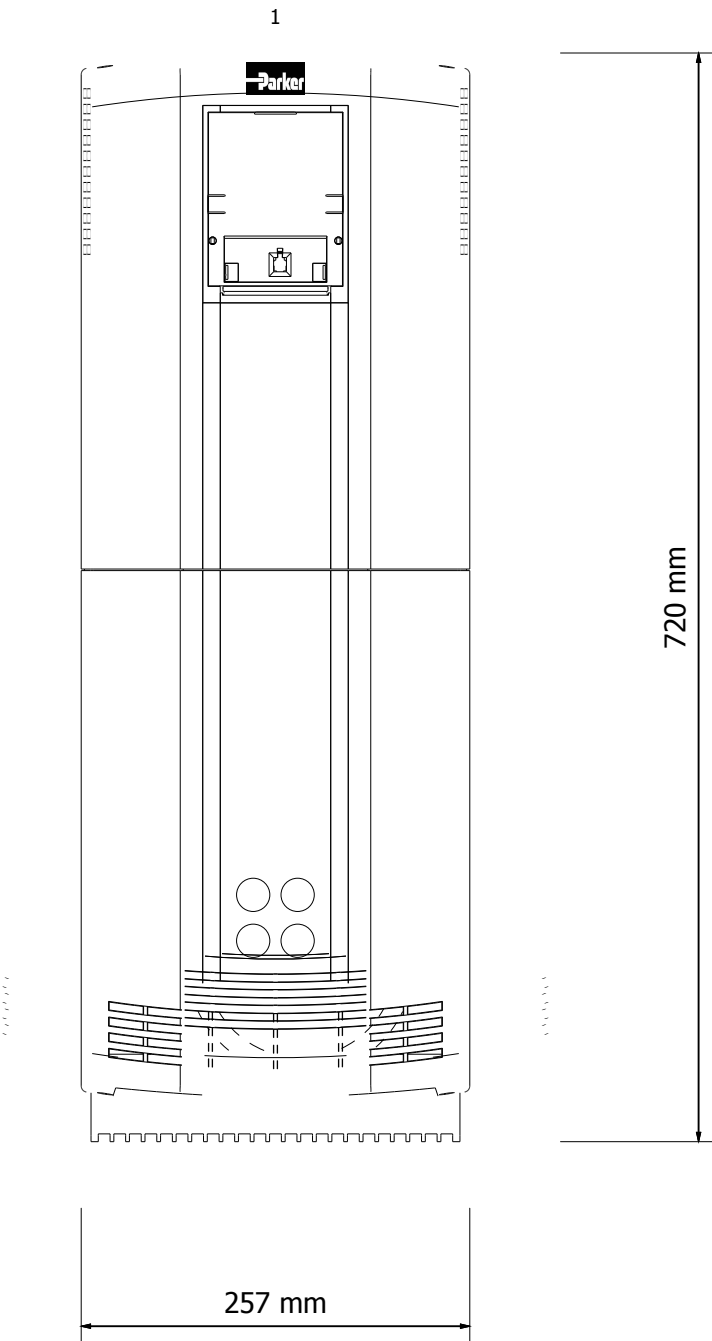
12

13

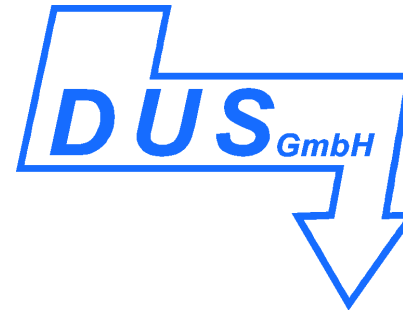
14

15

PARKER\parker\Compax3H155V4\Compax3H
3H155V4
Compax3H155V4
Version: 01.10.12
Variante: A
Schaltkreislaufplan



0	1	2	3	4	5	6	7	8	9			
Parts list												
Device tag Placement			Designation		Type number Order number		Manufacturer Supplier	Part number Function text				
+C3H050V4-A? +C3H050V4/2.0;+C3H050V4/3.0			Compax 3H Servo controller 50/75A, 35kVA, 400/480V		C3H050V4 C3H050V4		Parker Hannifin GmbH Parker Hannifin GmbH	PARKER.C3H050V4				
+C3H090V4-A? +C3H090V4/2.0;+C3H090V4/3.0			Compax 3H Servo controller 90/135A, 70kVA, 400/480V		C3H090V4 C3H090V4		Parker Hannifin GmbH Parker Hannifin GmbH	PARKER.C3H090V4				
+C3H125V4-A? +C3H125V4/2.0;+C3H125V4/3.0			Compax 3H Servo controller 125/187,5A, 91kVA, 400/480V		C3H125V4 C3H125V4		Parker Hannifin GmbH Parker Hannifin GmbH	PARKER.C3H125V4				
+C3H155V4-A? +C3H155V4/2.0;+C3H155V4/3.0			Compax 3H Servo controller 155/232,5A, 109kVA, 400/480V		C3H155V4 C3H155V4		Parker Hannifin GmbH Parker Hannifin GmbH	PARKER.C3H155V4				
			Date	11.06.2012	Macros for Eplan Electric P8			Parts list		== PARKER	Page	1
			Ed. by	SHE					= Inverter	from	1	
			Appr.						++ Compax3H			
Modification	Date	Name	Original		Replacement for	Replaced by			+ PARTS		Sheet	358 /



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Electromechanical Division Europe

Street: Robert-Bosch-Strasse 22

City: 77656 Offenburg (Germany)



<http://www.parker.com/eme>

Project: Makros_2012_03

Project description: Macros for Eplan Electric P8

Inverter: Compax3

Status: 03-2012

CAE: Eplan Electric P8 2.1.6.5473

Created on 25.11.2011

Edit date 11.06.2012

			Date	11.06.2012	Macros for Eplan Electric P8			Title page / cover sheet	== PARKER	Page from Sheet 359 / 708
			Ed. by	SHE					= Inverter	
			Appr.						++ Compax3	
Modification	Date	Name	Original		Replacement for	Replaced by			+ DOC	

0	1	2	3	4	5	6	7	8	9			
Table of contents												
Page				Sheet	Page description			Date	Ed. by			
==PARKER=Inverter++Compax3+DOC/1				359	Title page / cover sheet			11.06.2012	SHE			
==PARKER=Inverter++Compax3+DOC/2				360	Table of contents			11.06.2012	SHE			
==PARKER=Inverter++Compax3+DOC/3				361	Macro Description			11.06.2012	SHE			
==PARKER=Inverter++Compax3+Communication interfaces/1				362	Interface I20 Profibus X23			11.06.2012	SHE			
==PARKER=Inverter++Compax3+Communication interfaces/2				363	Interface I21 CANopen X23			11.06.2012	SHE			
==PARKER=Inverter++Compax3+Communication interfaces/3				364	Interface I22 DeviceNet X23			11.06.2012	SHE			
==PARKER=Inverter++Compax3+Communication interfaces/4				365	Interface I30 Ethernet Powerlink X23/X24			11.06.2012	SHE			
==PARKER=Inverter++Compax3+Communication interfaces/5				366	Interface I31 EtherCAT X23/X24			11.06.2012	SHE			
==PARKER=Inverter++Compax3+Communication interfaces/6				367	Interface I32 Profinet X23/X24			11.06.2012	SHE			
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==PARKER=Inverter++Compax3+Options M1x/2				369	Option M12 input/output			11.06.2012	SHE			
==PARKER=Inverter++Compax3+Options M1x/3				370	Option M12 input/output			11.06.2012	SHE			
==PARKER=Inverter++Compax3+powerPLmC-CX/1				371	Interface powerPLmC-CX			11.06.2012	SHE			
==PARKER=Inverter++Compax3+powerPLmC-CX/2				372	Interface powerPLmC-CX			11.06.2012	SHE			
==PARKER=Inverter++Compax3+PARTS/1				373	Parts list			11.06.2012	SHE			
			Date	11.06.2012	Macros for Eplan Electric P8			Table of contents		== PARKER	Page	2
			Ed. by	SHE				= Inverter	from	3		
			Appr.					++ Compax3				
Modification	Date	Name	Original		Replacement for	Replaced by			+ DOC		Sheet	360 / 708

Macros for Eplan Electric P8

LEGAL NOTICE AND EXCLUSION OF LIABILITY

This project is all rights reserved and the intellectual property of the company
Parker Hannifin Manufacturing Germany GmbH & Co KG
Electromechanical Division Europe
Robert-Bosch-Strasse 22
77656 Offenburg (Germany)
All statements are made with the best intentions and the best of our knowledge and belief.
For the correctness and completeness of the specification no adhesion is taken over.
No responsibility is accepted for the using of the product data with the CAE system Eplan Electric P8.

Project structure

This project is a macro project and contains CAE data for Eplan Electric P8.

CAE data:

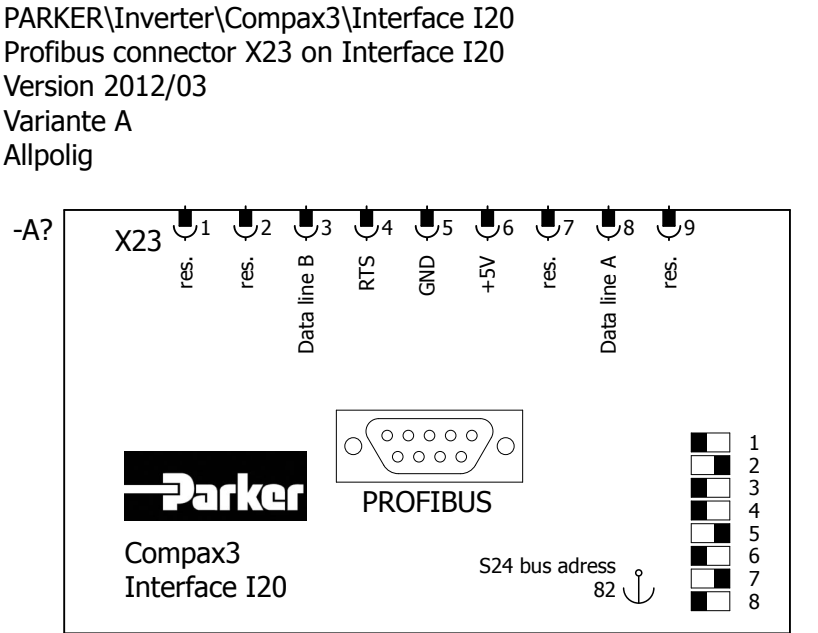
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Macros	Makros_Compax3_	03_2012	.zw5
Parts data	Parts_Makros_Compax3_	03_2012	.zw6
Parts data import file	Parts_Makros_Compax3_	03_2012	.xml

Data directories:

..\EPLAN\Electric P8\...\ PARKER\Inverter\Compax3\

Parts data:

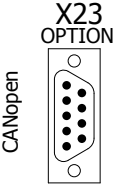
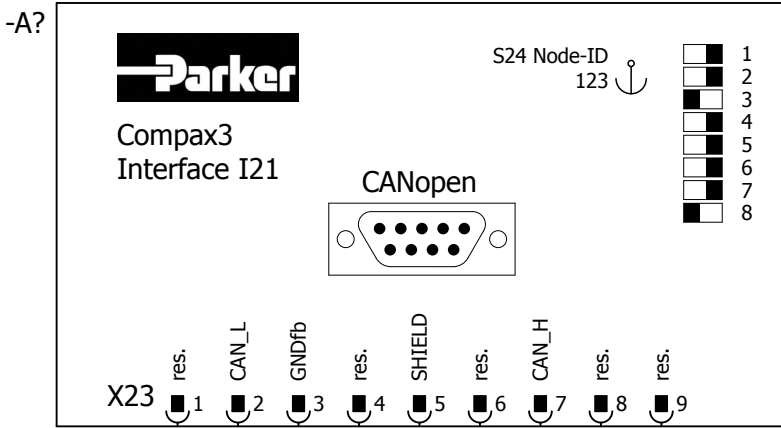
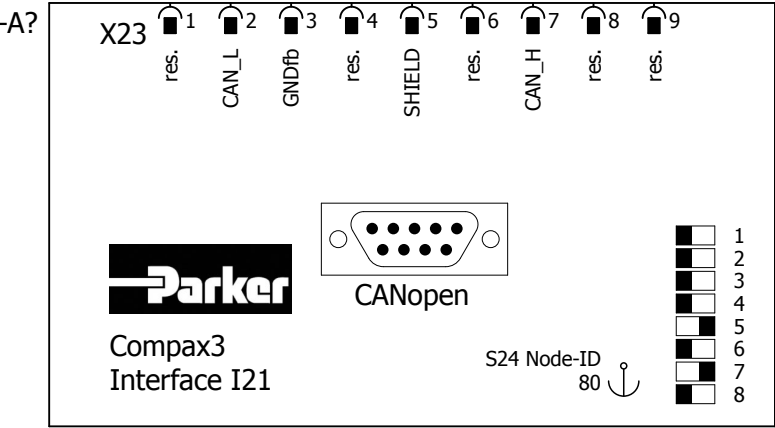
For all macros parts data have been created.
They apply to the internal part selection.
For the data exchange between parts data and project / project and parts data the Eplan Electric P8 functions for synchronize parts data will be use.



PARKER\Inverter\Compax3\Interface I21
CANopen connector X23 on Interface I21
Version 2012/03
Variante A
Allpolig

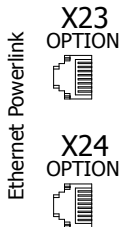
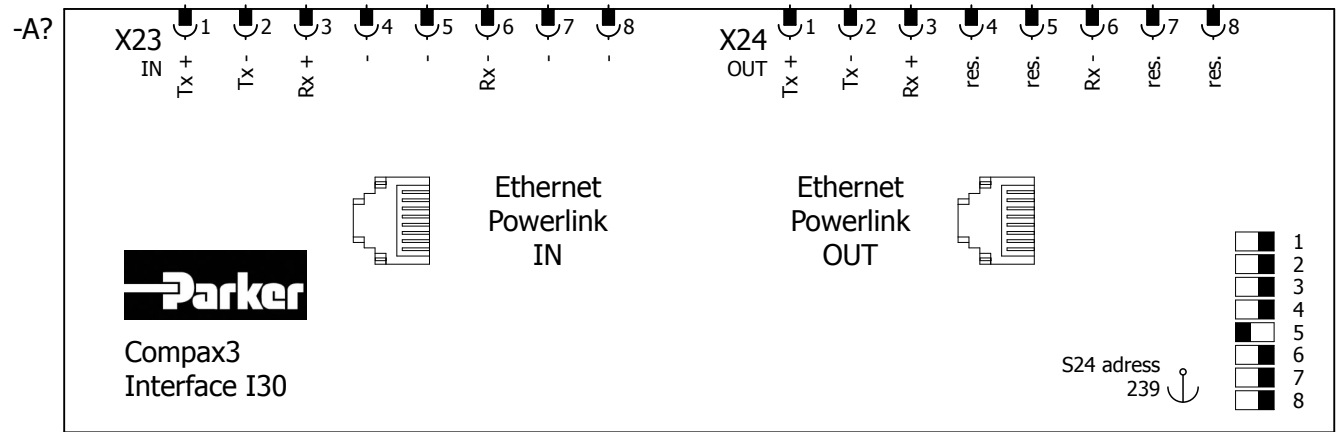
PARKER\Inverter\Compax3\Interface I21
CANopen connector X23 on Interface I21
Version 2012/03
Variante B
Allpolig

PARKER\Inverter\Compax3\Interface I21
CANopen connector X23 on Interface I21
Version 2012/03
Variante C
Allpolig

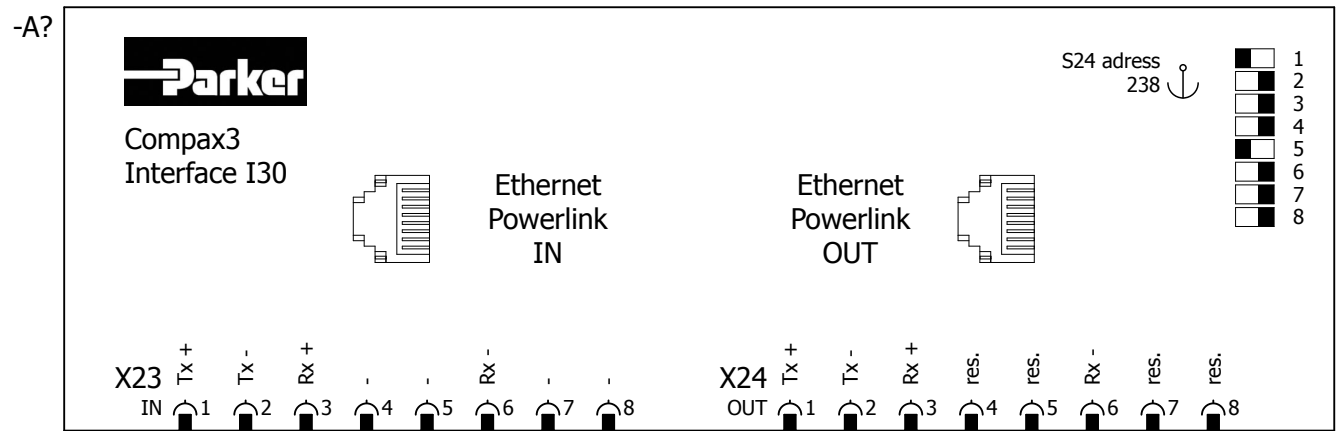


PARKER\Inverter\Compax3\Interface I30
Ethernet Powerlink X23/24 bei Interface I30
Version 2012/03
Variante A
Allpolig

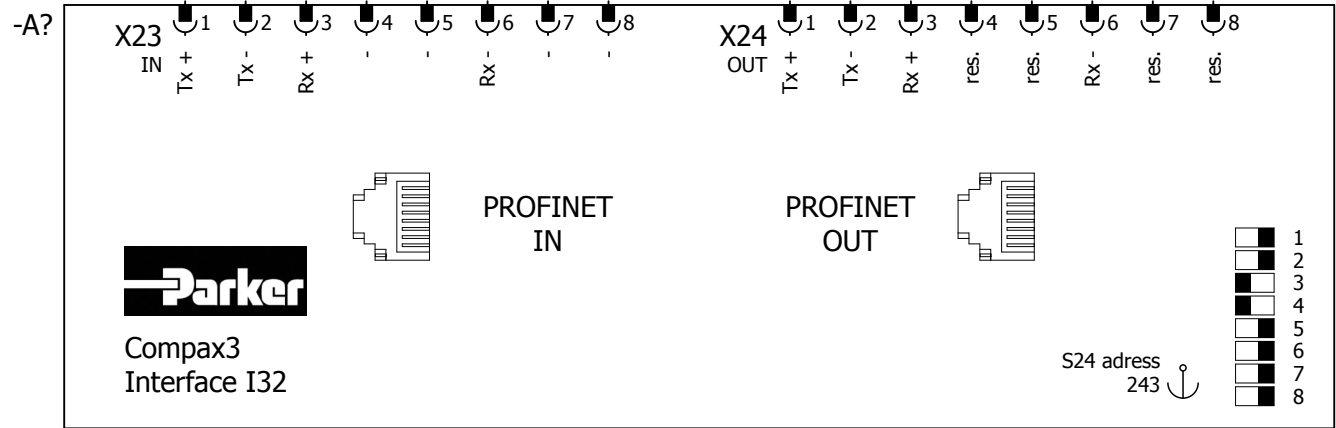
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Ethernet Powerlink X23/24 bei Interface I30
Version 2012/03
Variante C
Allpolig



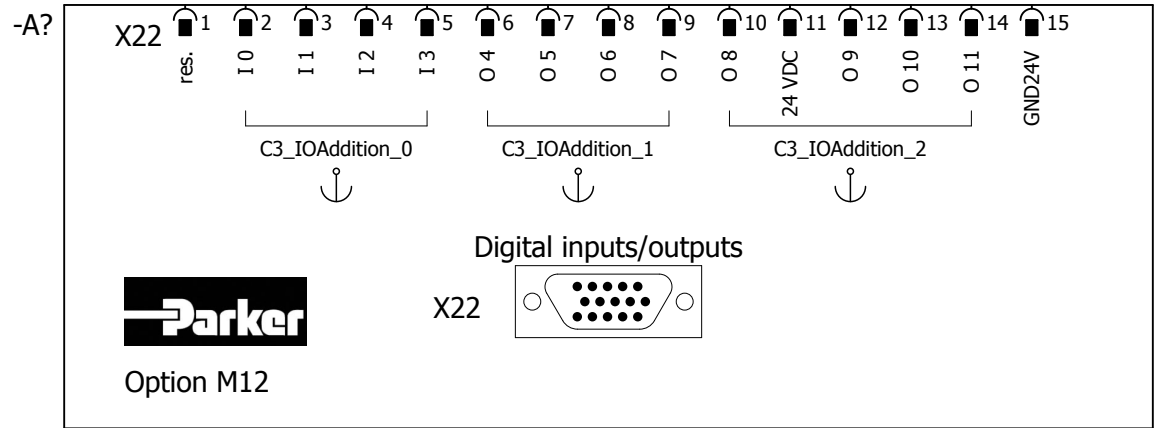
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Ethernet Powerlink X23/24 bei Interface I30
Version 2012/03
Variante B
Allpolig



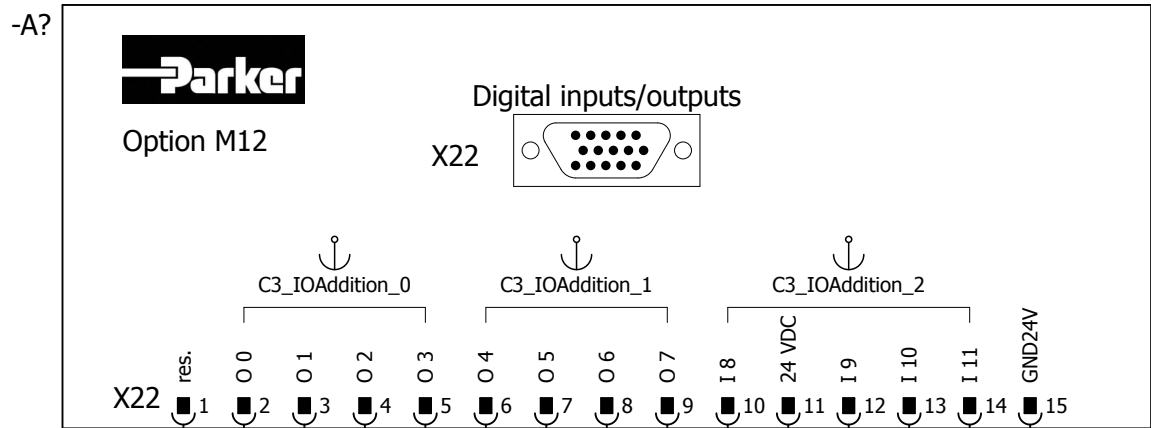
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Profinet connector X23/X24 on Interface I32
Version 2012/03
Variante A
Allpolig



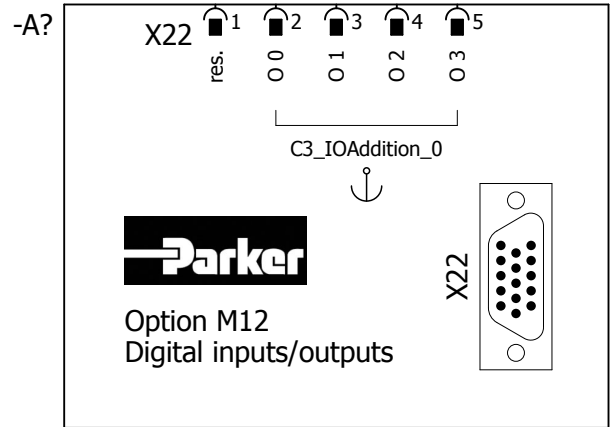
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Option M12 input/output
Version 2012/03
Variante A
Allpolig



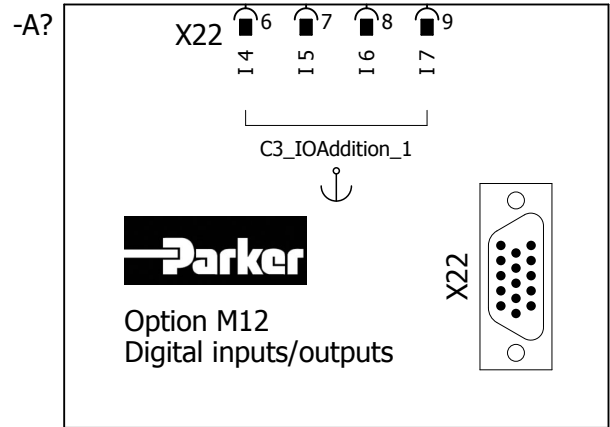
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Option M12 input/output
Version 2012/03
Variante B
Allpolig



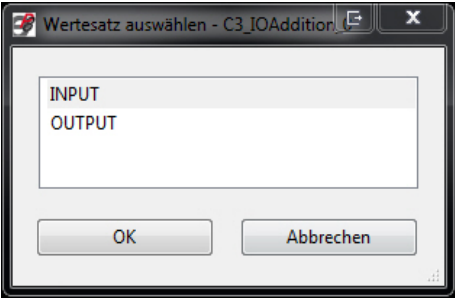
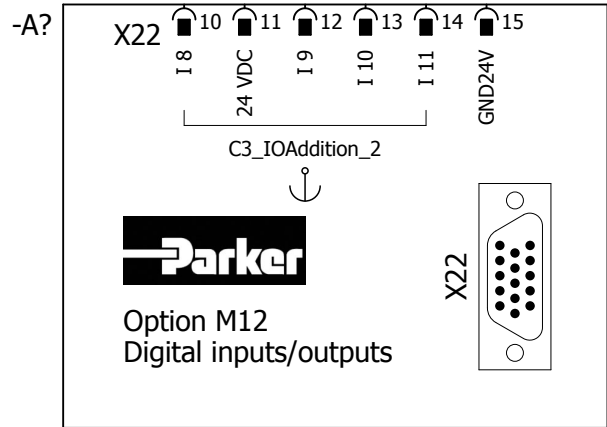
PARKER\Inverter\Compax3\Option M12
Option M12 input/output
Version 2012/03
Variante C
Allpolig



PARKER\Inverter\Compax3\Option M12
Option M12 input/output
Version 2012/03
Variante D
Allpolig

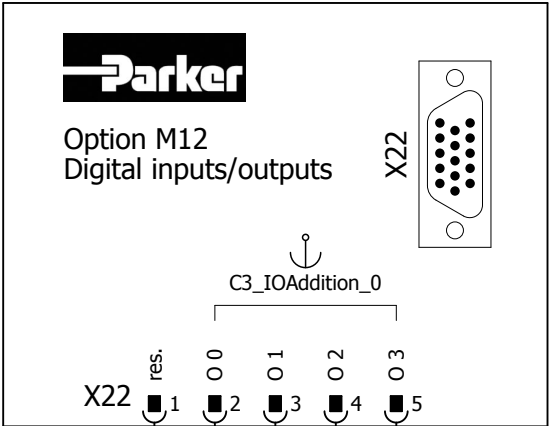


PARKER\Inverter\Compax3\Option M12
Option M12 input/output
Version 2012/03
Variante E
Allpolig



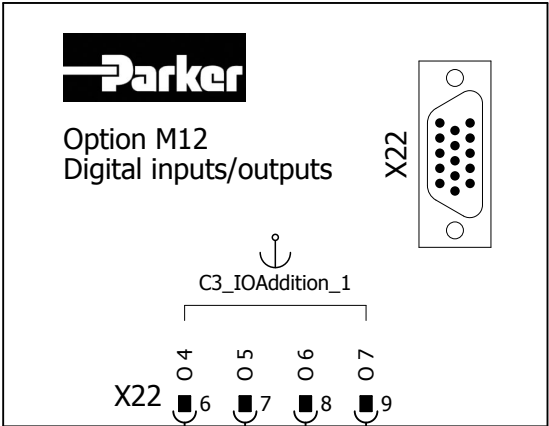
PARKER\Inverter\Compax3\Option M12
Option M12 input/output
Version 2012/03
Variante F
Allpolig

-A?



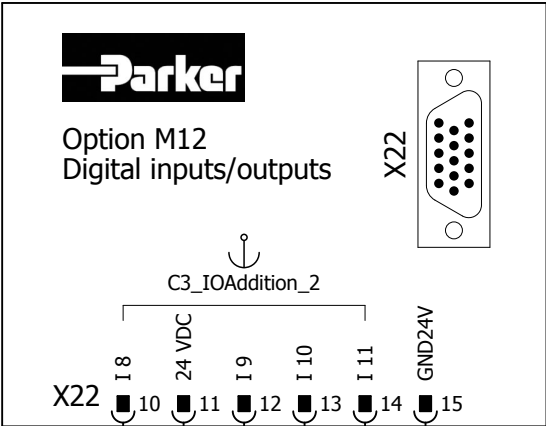
PARKER\Inverter\Compax3\Option M12
Option M12 input/output
Version 2012/03
Variante G
Allpolig

-A?

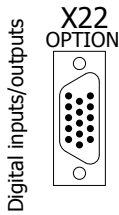


PARKER\Inverter\Compax3\Option M12
Option M12 input/output
Version 2012/03
Variante H
Allpolig

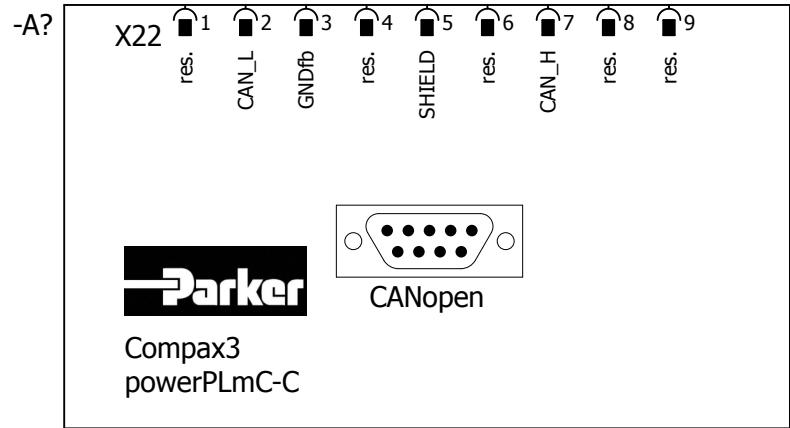
-A?



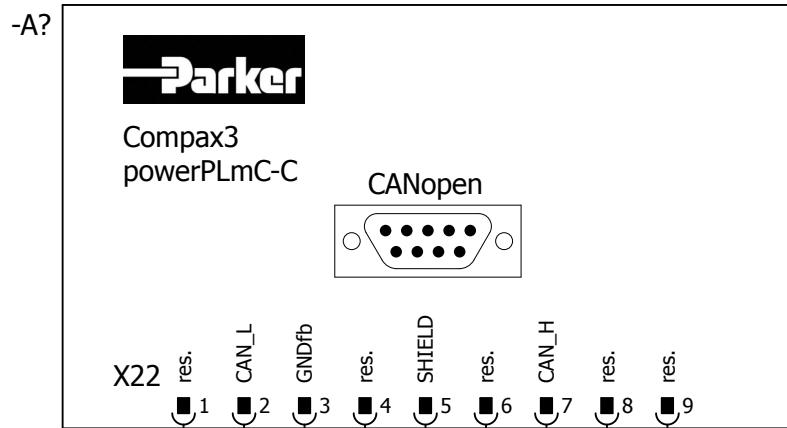
PARKER\Inverter\Compax3\Option M12
Option M12 input/output
Version 2012/03
Variante I
Allpolig



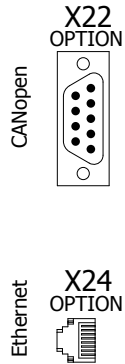
PARKER\Inverter\Compax3\powerPLmC-C10
Interface of powerPLmC-C10
Version 2012/03
Variante A
Allpolig



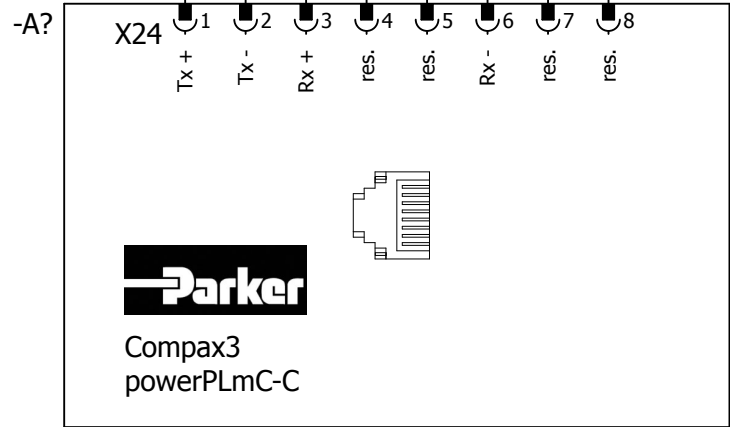
PARKER\Inverter\Compax3\powerPLmC-C10
Interface of powerPLmC-C10
Version 2012/03
Variante B
Allpolig



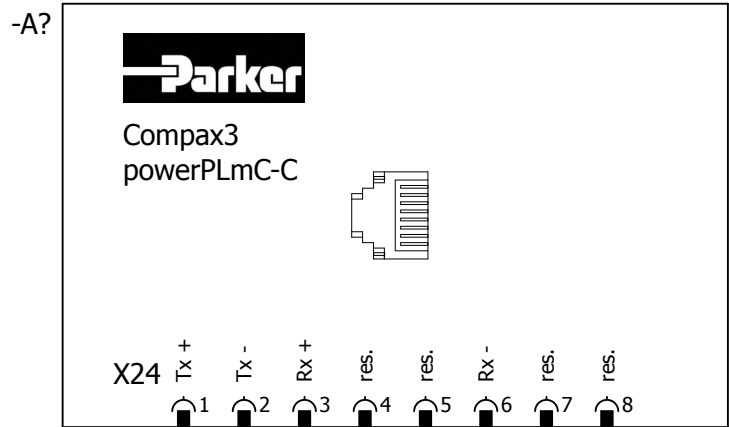
PARKER\Inverter\Compax3\powerPLmC-C10
Interface of powerPLmC-C10
Version 2012/03
Variante E
Allpolig



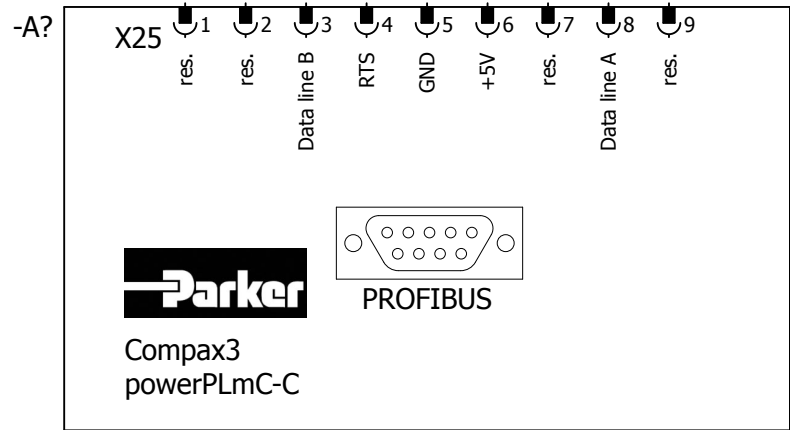
PARKER\Inverter\Compax3\powerPLmC-C10
Interface of powerPLmC-C10
Version 2012/03
Variante C
Allpolig



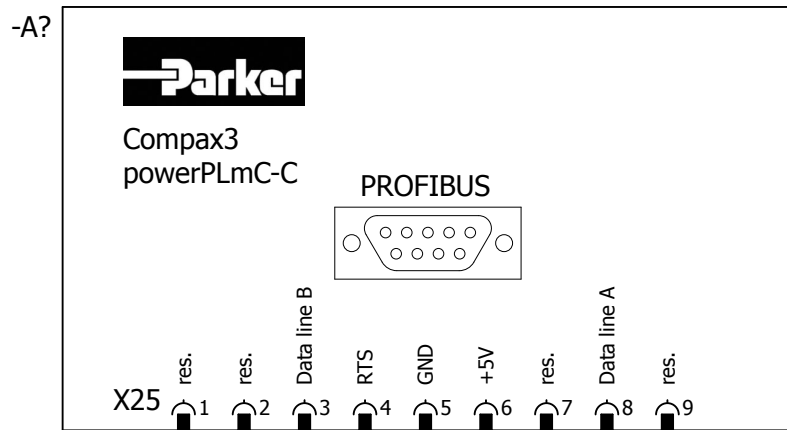
PARKER\Inverter\Compax3\powerPLmC-C10
Interface of powerPLmC-C10
Version 2012/03
Variante D
Allpolig



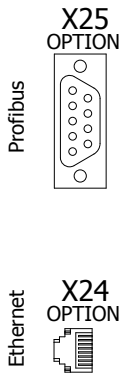
PARKER\Inverter\Compax3\powerPLmC-C13
Interface of powerPLmC-C13
Version 2012/03
Variante A
Allpolig



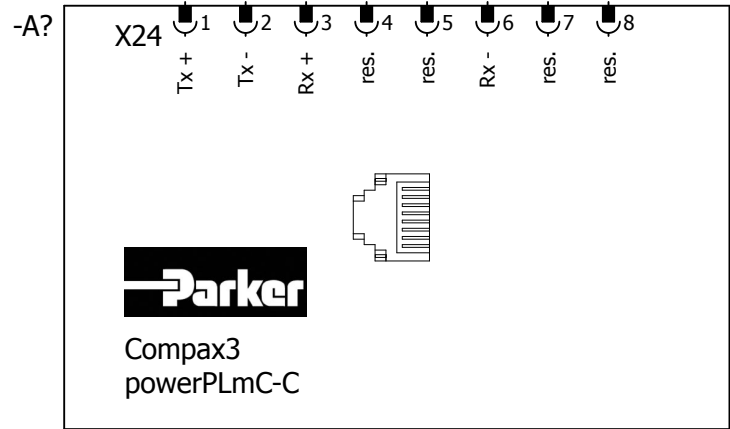
PARKER\Inverter\Compax3\powerPLmC-C13
Interface of powerPLmC-C13
Version 2012/03
Variante B
Allpolig



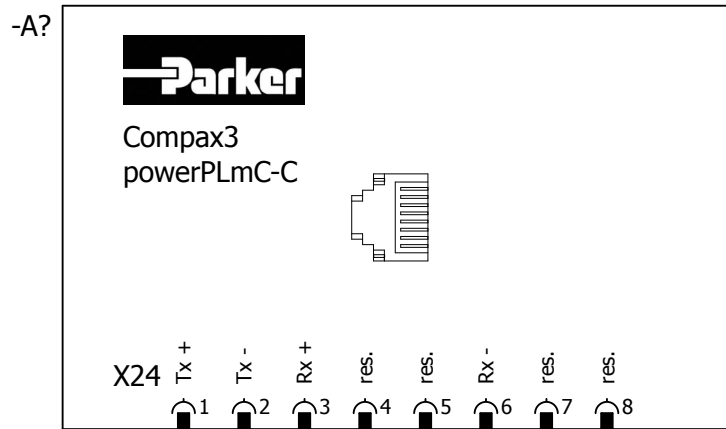
PARKER\Inverter\Compax3\powerPLmC-C13
Interface of powerPLmC-C13
Version 2012/03
Variante E
Allpolig



PARKER\Inverter\Compax3\powerPLmC-C13
Interface of powerPLmC-C13
Version 2012/03
Variante C
Allpolig



PARKER\Inverter\Compax3\powerPLmC-C13
Interface of powerPLmC-C13
Version 2012/03
Variante D
Allpolig

Interface
powerPLmC-CX

0	1	2	3	4	5	6	7	8	9		
Parts list											
Device tag Placement		Designation			Type number Order number		Manufacturer Supplier	Part number Function text			
+Communication interfaces-A? +Communication interfaces/1.0;+Communication interfaces/1.3		Interface I20 PROFIBUS DP V0/V1/V2 (12 Mbaud)			C3 I20		Parker Hannifin GmbH Parker Hannifin GmbH	PARKER.C3xxxxxxxxxI20xxxMxxSx			
+Communication interfaces-A? +Communication interfaces/2.0;+Communication interfaces/2.3		Interface I21 CANopen			C3 I21		Parker Hannifin GmbH Parker Hannifin GmbH	PARKER.C3xxxxxxxxxI21xxxMxxSx			
+Communication interfaces-A? +Communication interfaces/3.0;+Communication interfaces/3.3		Interface I22 DeviceNet			C3 I22		Parker Hannifin GmbH Parker Hannifin GmbH	PARKER.C3xxxxxxxxxI22xxxMxxSx			
+Communication interfaces-A? +Communication interfaces/4.0		Interface I30 Ethernet Powerlink			C3 I30		Parker Hannifin GmbH Parker Hannifin GmbH	PARKER.C3xxxxxxxxxI30xxxMxxSx			
+Communication interfaces-A? +Communication interfaces/5.0		Interface I31 EtherCAT			C3 I31		Parker Hannifin GmbH Parker Hannifin GmbH	PARKER.C3xxxxxxxxxI31xxxMxxSx			
+Communication interfaces-A? +Communication interfaces/6.0		Interface I32 PROFINET			C3 I32		Parker Hannifin GmbH Parker Hannifin GmbH	PARKER.C3xxxxxxxxxI32xxxMxxSx			
+Options M1x-A? +Options M1x/1.0		Option M11 HEDA Motionbus			C3 M11		Parker Hannifin GmbH Parker Hannifin GmbH	PARKER.C3xxxxxxxxxxxxxxM11Sx			
+Options M1x-A? +Options M1x/2.0;+Options M1x/2.4;+Options M1x/3.0		Option M12 Extension by 12 digital I/Os			C3 M12		Parker Hannifin GmbH Parker Hannifin GmbH	PARKER.C3xxxxxxxxxxxxxxM12Sx			
+powerPLmC-CX-A? +powerPLmC-CX/1.0;+powerPLmC-CX/1.3		Interface C3 powerPLmC Multi-axis control			C3 C10		Parker Hannifin GmbH Parker Hannifin GmbH	PARKER.C3xxxxxxxxxC10xxxMxxSx			
+powerPLmC-CX-A? +powerPLmC-CX/2.0;+powerPLmC-CX/2.3		Interface C3 powerPLmC Multi-axis control with profibus			C3 C13		Parker Hannifin GmbH Parker Hannifin GmbH	PARKER.C3xxxxxxxxxC13xxxMxxSx			
			Date	11.06.2012	Macros for Eplan Electric P8			== PARKER		Page	1
			Ed. by	SHE				= Inverter		from	1
			Appr.					++ Compax3		Sheet	373 / 708
Modification	Date	Name	Original		Replacement for	Replaced by		+ PARTS			