JVL Industri Elektrionik A/S
Blokken 42
DK-3460 Birkerod

Company:	JVL Industri Elektronik A/S
Street:	Blokken 42
City:	DK-3460 Birkerod

Project:	JVL_MACROS_2009
Project description:	Macro project servo- and step motors

CAE: EPLAN Electric P8 1.9.6.3297

Number of pages 80

LEGAL NOTICE AND EXCLUSION OF LIABILITY

This document is the intellectual property of the company

JVL Industri Elektronik A/S
Blokken 42
DK-3460 Birkerod

and all rights reserved.

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:

- Macro-Project	JVL_MACROS_2009.zw1
- macros	JVL_MACROS_2009.zw5
- Article data	JVL_MACROS_2009.zw6

Data-Directories:

..EPLAN\Electric P8\...\JVL

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.

JVL HEADQUARTER

JVL Industri Elektronik A/S
Blokken 42
DK-3460 Birkerod

JVL REGISTERED OFFICE UNITED KINGDOM

JVL UK Ltd.
South Fens Business Centre
Fenton Way
Chatteris
Cambridgeshire
GB-PE16 6TT

JVL REGISTERED OFFICE

JVL Deutschland
Im Hag 10
D-70327 Stuttgart

Table of contents

JVL_F06_001

Company	Designation	Page	Page description
JVL	DOCUMENTATION	1	Titel- / Deckblatt
JVL	DOCUMENTATION	2	Projektbeschreibung
JVL	DOCUMENTATION	3	Projektbeschreibung
JVL	DOCUMENTATION	4	Inhaltsverzeichnis
JVL	DOCUMENTATION	5	Inhaltsverzeichnis
JVL	DOCUMENTATION	6	Inhaltsverzeichnis
JVL	SERVO	1	MAC050-A1
JVL	SERVO	2	MAC095-A1
JVL	SERVO	3	MAC140-A1
JVL	SERVO	4	MAC140-A3
JVL	SERVO	5	MAC141-A1
JVL	SERVO	6	MAC141-A3
JVL	SERVO	7	MAC400-D2-CAGM
JVL	SERVO	8	MAC400-D2-FAGM
JVL	SERVO	9	MAC400-D5-CAGM
JVL	SERVO	10	MAC400-D5-FAGM
JVL	SERVO	11	MAC400-D3-CAGM
JVL	SERVO	12	MAC400-D3-FAGM
JVL	SERVO	13	MAC400-D6-CAGM
JVL	SERVO	14	MAC400-D6-FAGM
JVL	SERVO	15	MAC800-D2
JVL	SERVO	16	MAC800-D5
JVL	SERVO	17	MAC800-D3
JVL	SERVO	18	MAC800-D6
JVL	SERVO	19	MAC00-CS
JVL	SERVO	20	MAC00-B1
JVL	SERVO	21	MAC00-B2
JVL	SERVO	22	MAC00-B4
JVL	SERVO	23	MAC00-FC2
JVL	SERVO	24	MAC00-FC4
JVL	SERVO	25	MAC00-FD4
JVL	SERVO	26	MAC00-FP2
JVL	SERVO	27	MAC00-FP4

			Date	28.04.2009	JVL_MACROS_2009	JVL Industri Elektronik A/S	Table of contents	= JVL
			Ed.	BAN	Macro project servo- and step motors	Blokken 42		+ DOCUMENTATION
			Appr			DK-3460 Birkerod		Page 4
Modification	Date	Name	Original		Replacement of / Replaced by			Page 80

Table of contents

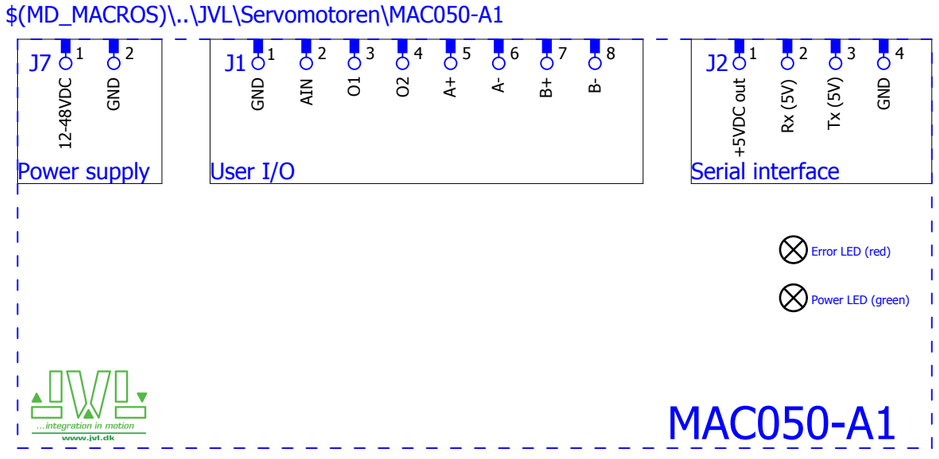
JVL_F06_001

Company	Designation	Page	Page description
JVL	SERVO	28	MAC00-FS1
JVL	SERVO	29	MAC00-FS4
JVL	SERVO	30	MAC00-R1
JVL	SERVO	31	MAC00-R3
JVL	SERVO	32	MAC00-R4
JVL	SERVO	33	MAC00-EW4
JVL	SERVO	34	MAC00-FB4
JVL	SERVO	35	MAC00-B41
JVL	STEP	1	MIS231A1M2N075
JVL	STEP	2	MIS232A1M2N075
JVL	STEP	3	MIS234A3M2N075
JVL	STEP	4	MIS231A1M3N075
JVL	STEP	5	MIS232A1M3N075
JVL	STEP	6	MIS234A3M3N075
JVL	STEP	7	MIS231A1M4N075
JVL	STEP	8	MIS232A1M4N075
JVL	STEP	9	MIS234A3M4N075
JVL	STEP	10	MIS231A1M5N075
JVL	STEP	11	MIS232A1M5N075
JVL	STEP	12	MIS234A3M5N075
JVL	STEP	13	MIS231A1M6N075
JVL	STEP	14	MIS232A1M6N075
JVL	STEP	15	MIS234A3M6N075
JVL	STEP	16	MIS231A1M7N075
JVL	STEP	17	MIS232A1M7N075
JVL	STEP	18	MIS234A3M7N075
JVL	STEP	19	MIS231A1M9H275
JVL	STEP	20	MIS232A1M9H275
JVL	STEP	21	MIS234A3M9H275
JVL	STEP	22	MIS231A1W0N073XYYE03
JVL	STEP	23	MIS232A1W0N073XYYE03
JVL	STEP	24	MIS234A3W0N073XYYE03
JVL	STEP	25	MIS231A1M1N073XYYE03

Table of contents

JVL_F06_001

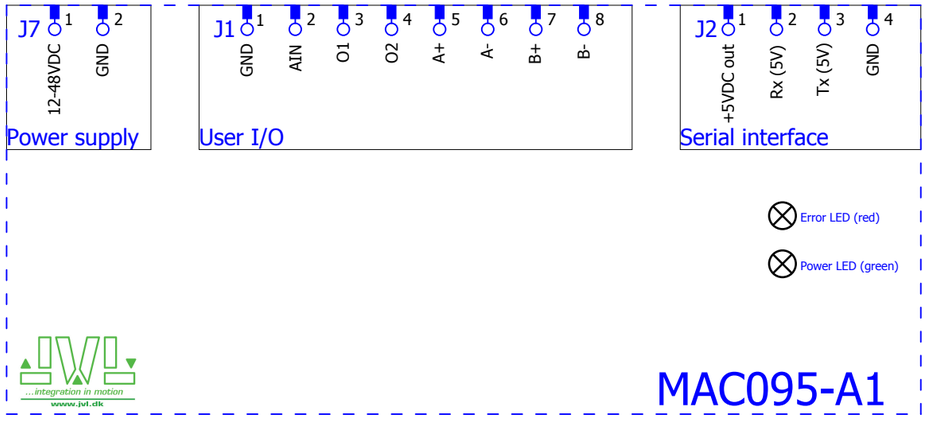
Company	Designation	Page	Page description
JVL	STEP	26	MIS232A1M1N073XYYE03
JVL	STEP	27	MIS234A3M1N073XYYE03
JVL	STEP	28	MIS231A1W0N075
JVL	STEP	29	MIS232A1W0N075
JVL	STEP	30	MIS234A3W0N075
JVL	STEP	31	SMC75A1
JVL	STEP	32	SMC75A1AC
JVL	STEP	33	SMC75A1M2
JVL	STEP	34	SMC75A1M3
JVL	STEP	35	SMC75A1M4
JVL	STEP	36	SMC75A1M5
JVL	STEP	37	SMC75A1M6
JVL	STEP	38	SMC75A1M7
JVL	STEP	39	SMC75A1M9



			Date	28.04.2009	JVL_MACROS_2009		JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	MAC050-A1	= JVL
			Ed.	BAN					+ SERVO
			Appr		Macro project servo- and step motors				Page 1
Modification	Date	Name	Original		Replacement of	Replaced by			Page 80

0	1	2	3	4	5	6	7	8	9

$(MD_MACROS)\..\JVL\Servomotoren\MAC095-A1

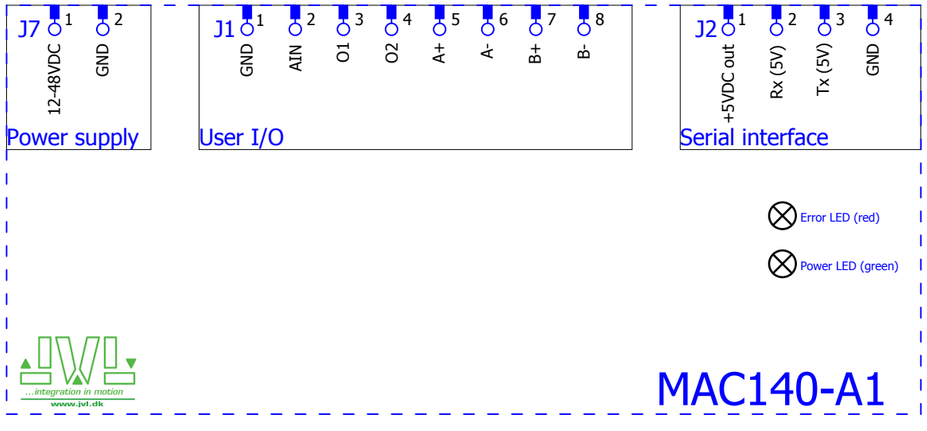


1 3

			Date	28.04.2009	JVL_MACROS_2009	JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	MAC095-A1	= JVL	
			Ed.	BAN				+ SERVO	
			Appr		Macro project servo- and step motors			Page	2
Modification	Date	Name	Original		Replacement of	Replaced by		Page	80

0	1	2	3	4	5	6	7	8	9

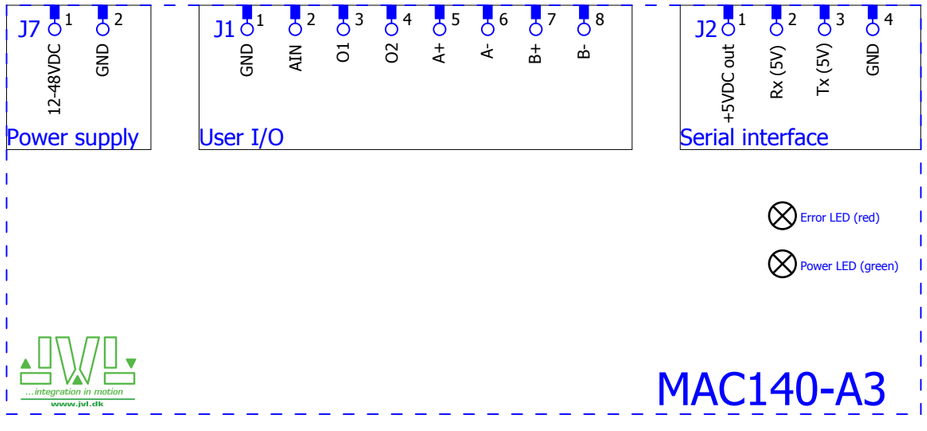
$(MD_MACROS)\..\JVL\Servomotoren\MAC140-A1



			Date	28.04.2009	JVL_MACROS_2009		JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	MAC140-A1	= JVL
			Ed.	BAN					+ SERVO
			Appr		Macro project servo- and step motors				Page 3
Modification	Date	Name	Original		Replacement of	Replaced by			Page 80

0	1	2	3	4	5	6	7	8	9

$(MD_MACROS)\..\JVL\Servomotoren\MAC0140-A3

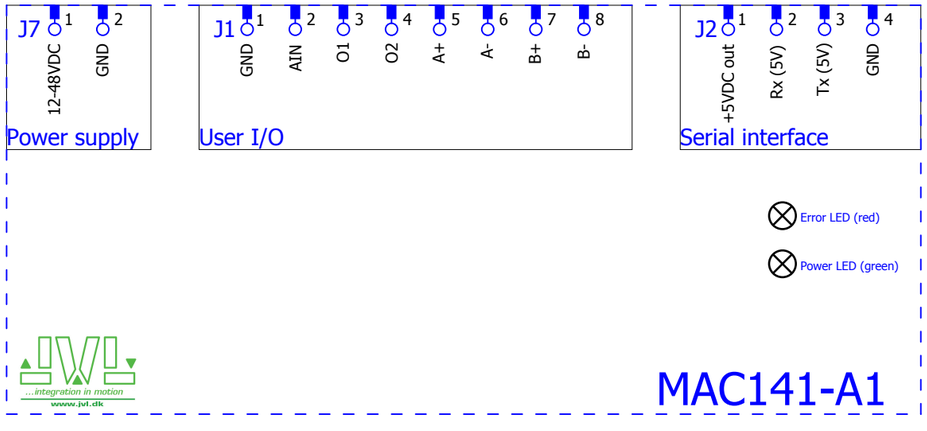


3 5

			Date	28.04.2009	JVL_MACROS_2009	JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	MAC140-A3	= JVL + SERVO
			Ed.	BAN				
			Appr		Macro project servo- and step motors			Page 4
Modification	Date	Name	Original		Replacement of	Replaced by		Page 80

0	1	2	3	4	5	6	7	8	9

$(MD_MACROS)\..\JVL\Servomotoren\MAC141-A1

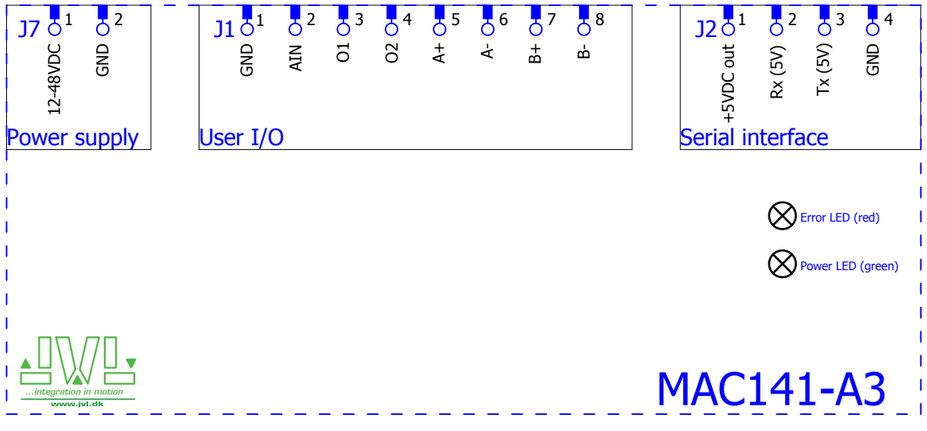


4 6

			Date	28.04.2009	JVL_MACROS_2009	JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	MAC141-A1	= JVL
			Ed.	BAN				+ SERVO
			Appr		Macro project servo- and step motors			Page 5
Modification	Date	Name	Original		Replacement of	Replaced by		Page 80

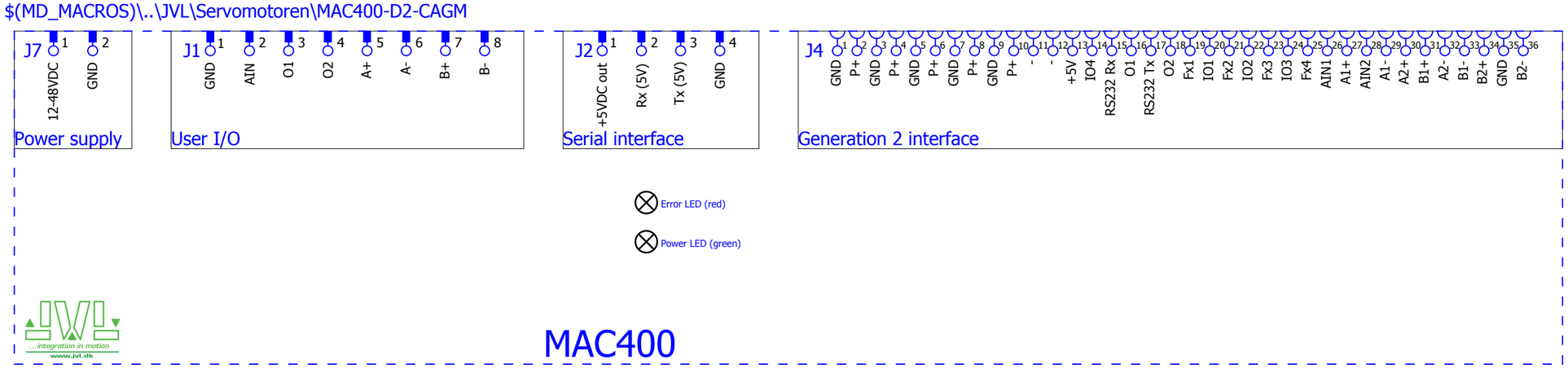
0	1	2	3	4	5	6	7	8	9

$(MD_MACROS)\..\JVL\Servomotoren\MAC141-A3



5 7

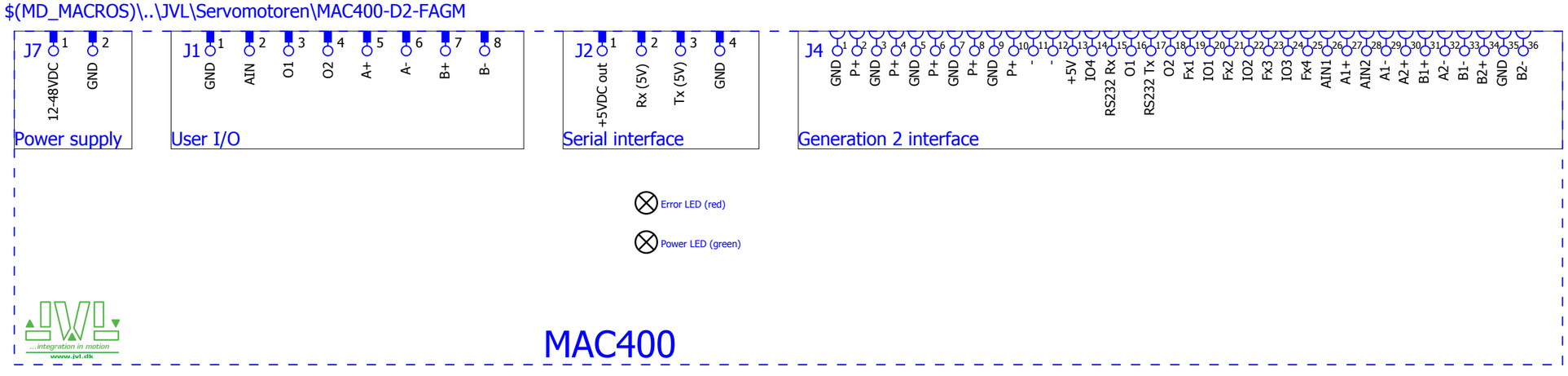
			Date	28.04.2009	JVL_MACROS_2009	JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	MAC141-A3	= JVL + SERVO
			Ed.	BAN				
			Appr		Macro project servo- and step motors			Page 6
Modification	Date	Name	Original		Replacement of	Replaced by		Page 80



6

8

			Date	28.04.2009	JVL_MACROS_2009	JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	MAC400-D2-CAGM		= JVL
			Ed.	BAN					+ SERVO
			Appr		Macro project servo- and step motors				Page 7
Modification	Date	Name	Original		Replacement of / Replaced by				Page 80

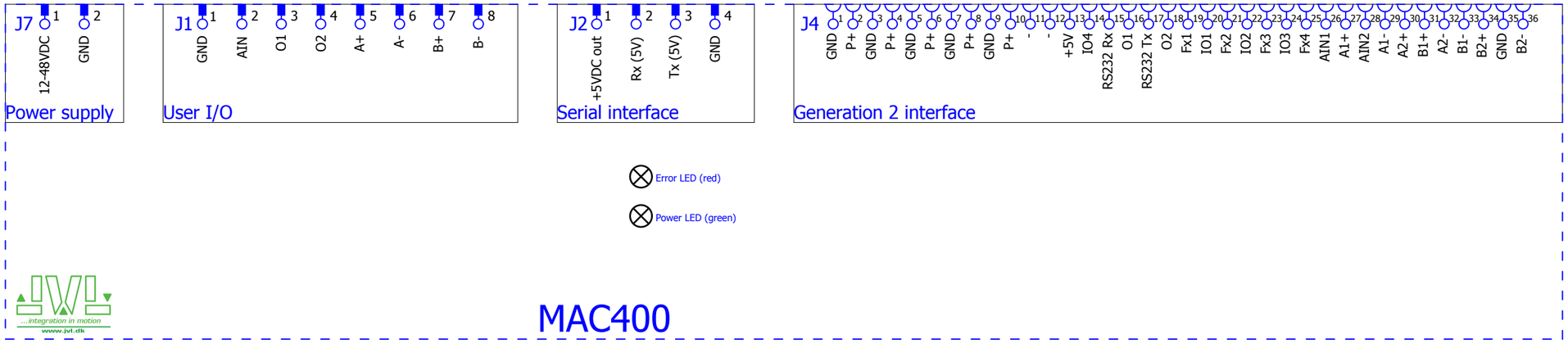


7 9

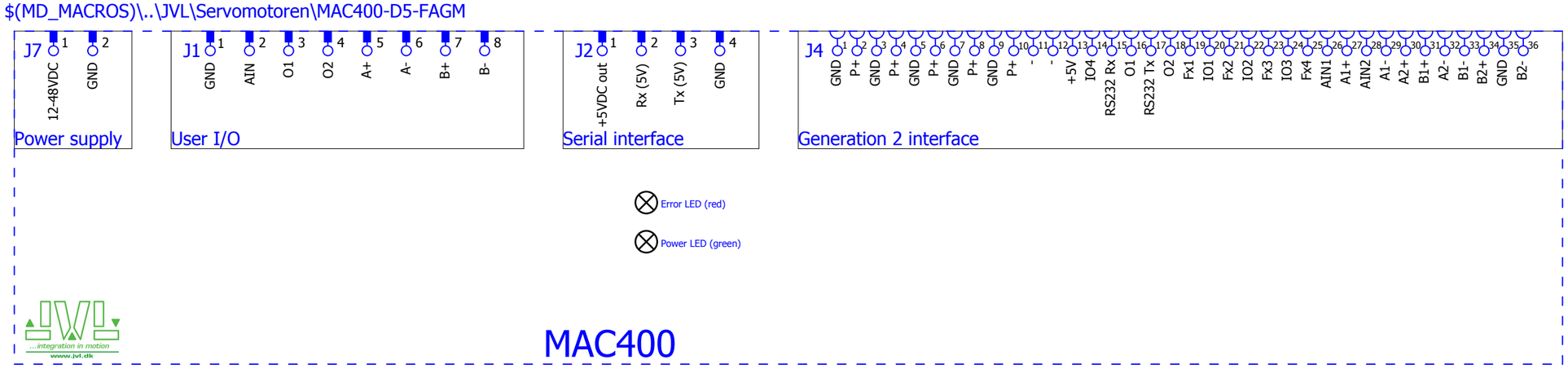
			Date	28.04.2009	JVL_MACROS_2009	JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	MAC400-D2-FAGM		= JVL
			Ed.	BAN					+ SERVO
			Appr		Macro project servo- and step motors				Page 8
Modification	Date	Name	Original		Replacement of / Replaced by				Page 80

0	1	2	3	4	5	6	7	8	9

$(MD_MACROS)\..\JVL\Servomotoren\MAC400-D5-CAGM



			Date	28.04.2009	JVL_MACROS_2009	JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	MAC400-D5-CAGM	= JVL
			Ed.	BAN				+ SERVO
			Appr		Macro project servo- and step motors			Page 9
Modification	Date	Name	Original		Replacement of	Replaced by		Page 80



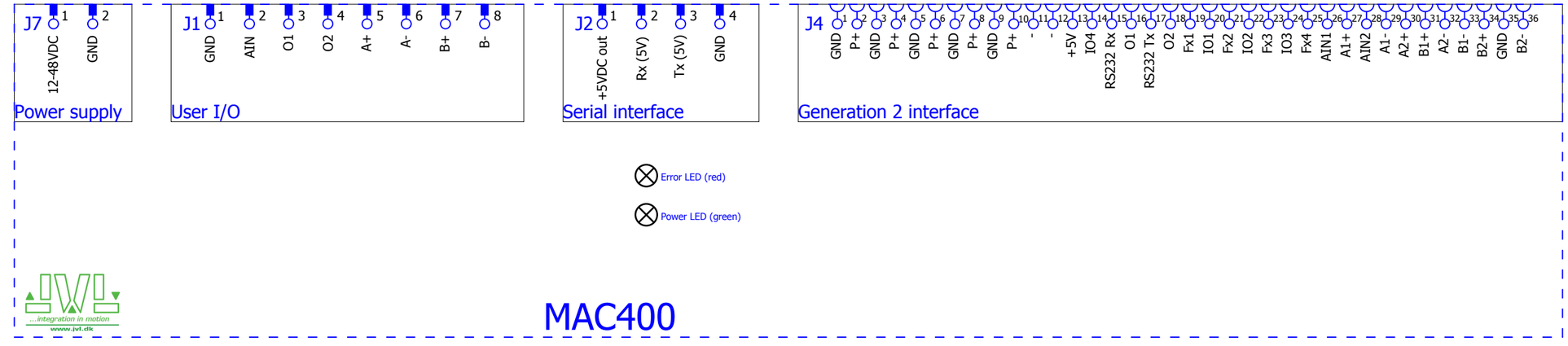
9

11

			Date	28.04.2009	JVL_MACROS_2009	JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	MAC400-D5-FAGM		= JVL
			Ed.	BAN	Macro project servo- and step motors				+ SERVO
			Appr						Page 10
Modification	Date	Name	Original		Replacement of	Replaced by			Page 80

0	1	2	3	4	5	6	7	8	9

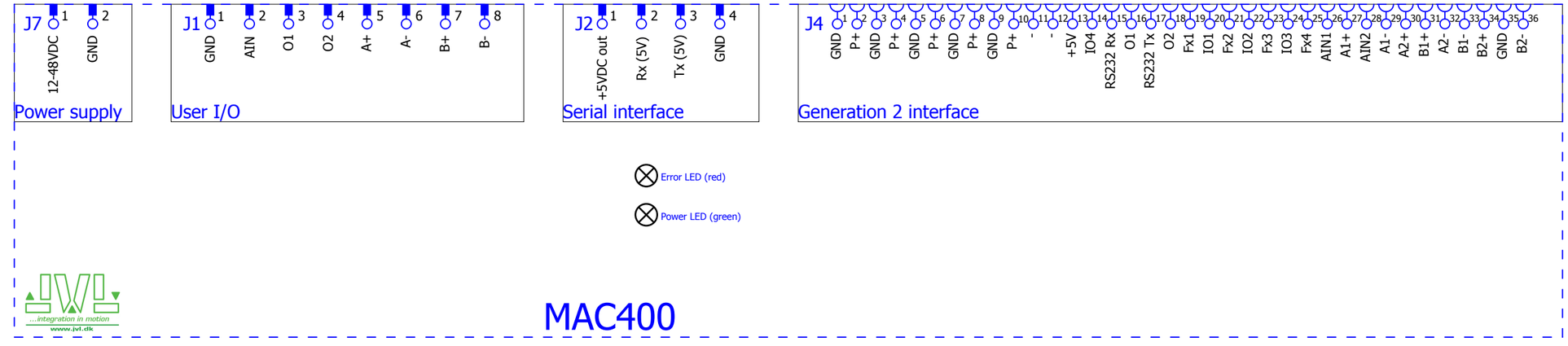
$(MD_MACROS)\..\JVL\Servomotoren\MAC400-D3-CAGM



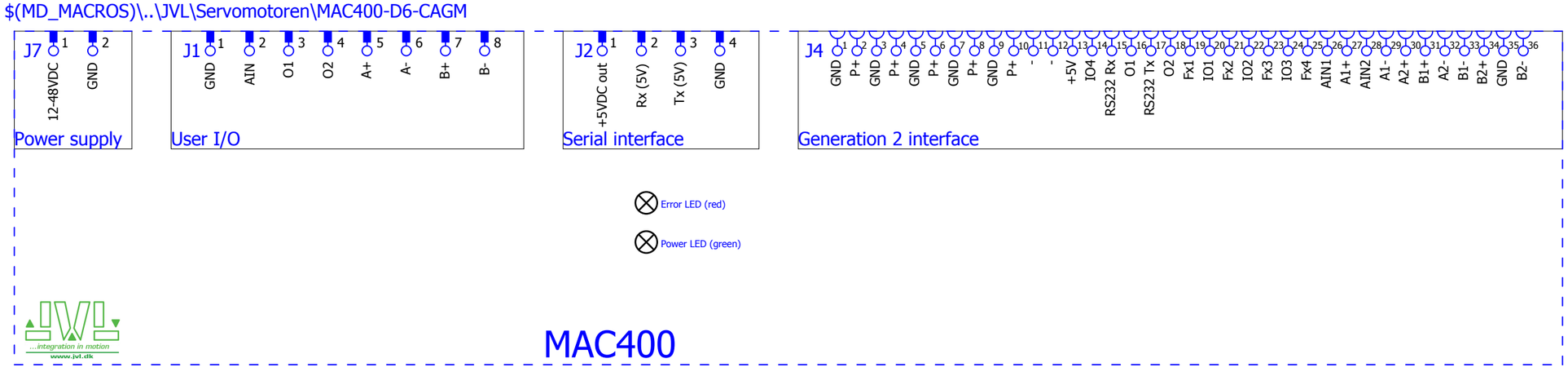
			Date	28.04.2009	JVL_MACROS_2009	JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	MAC400-D3-CAGM	= JVL
			Ed.	BAN				+ SERVO
			Appr		Macro project servo- and step motors			Page 11
Modification	Date	Name	Original		Replacement of	Replaced by		Page 80

0	1	2	3	4	5	6	7	8	9

$(MD_MACROS)\..\JVL\Servomotoren\MAC400-D3-FAGM



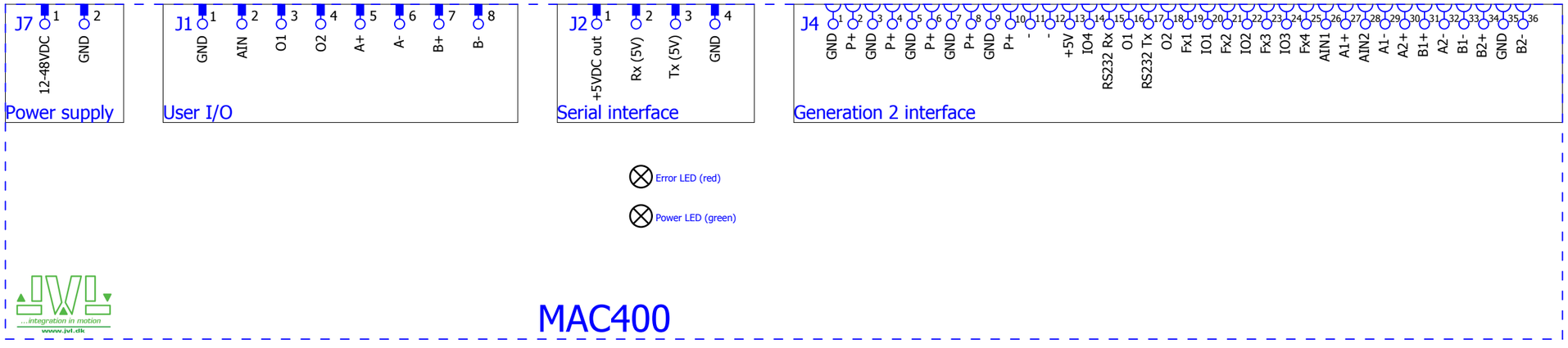
			Date	28.04.2009	JVL_MACROS_2009	JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	MAC400-D3-FAGM	= JVL
			Ed.	BAN				+ SERVO
			Appr		Macro project servo- and step motors			Page 12
Modification	Date	Name	Original		Replacement of	Replaced by		Page 80



			Date	28.04.2009	JVL_MACROS_2009	JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	MAC400-D6-CAGM		= JVL
			Ed.	BAN	Macro project servo- and step motors				+ SERVO
			Appr						Page 13
Modification	Date	Name	Original		Replacement of / Replaced by				Page 80

0	1	2	3	4	5	6	7	8	9

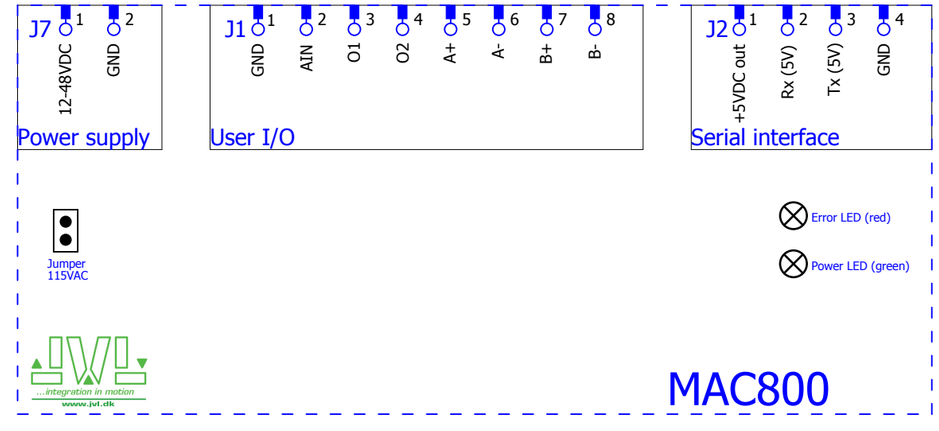
$(MD_MACROS)\..\JVL\Servomotoren\MAC400-D6-FAGM



			Date	28.04.2009	JVL_MACROS_2009		JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	MAC400-D6-FAGM	= JVL
			Ed.	BAN					+ SERVO
			Appr		Macro project servo- and step motors				Page 14
Modification	Date	Name	Original		Replacement of	Replaced by			Page 80

0	1	2	3	4	5	6	7	8	9

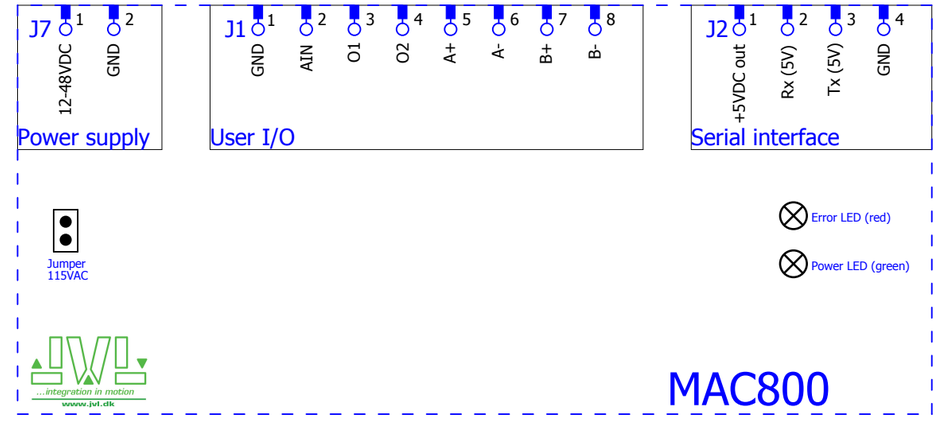
$(MD_MACROS)\..\JVL\Servomotoren\MAC800-D2



			Date	28.04.2009	JVL_MACROS_2009		JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	MAC800-D2	= JVL
			Ed.	BAN					+ SERVO
			Appr		Macro project servo- and step motors				Page 15
Modification	Date	Name	Original		Replacement of	Replaced by			Page 80

0	1	2	3	4	5	6	7	8	9

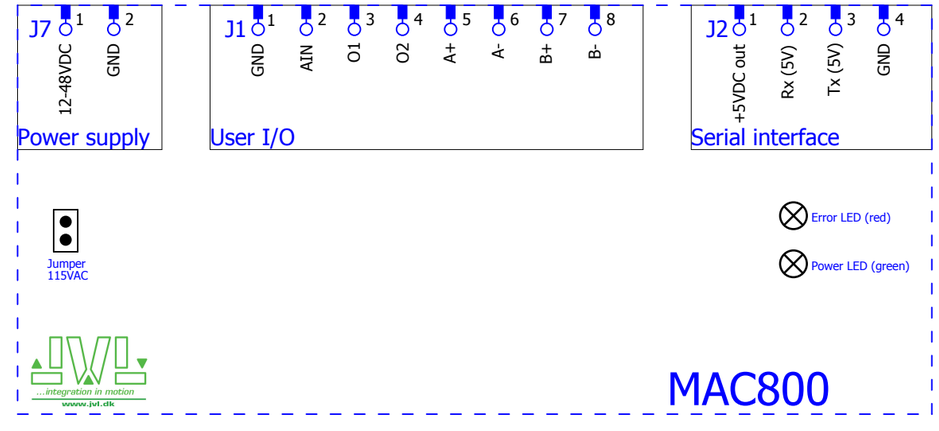
$(MD_MACROS)\..\JVL\Servomotoren\MAC800-D5



			Date	28.04.2009	JVL_MACROS_2009		JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	MAC800-D5	= JVL
			Ed.	BAN					+ SERVO
			Appr		Macro project servo- and step motors				Page 16
Modification	Date	Name	Original		Replacement of	Replaced by			Page 80

0	1	2	3	4	5	6	7	8	9

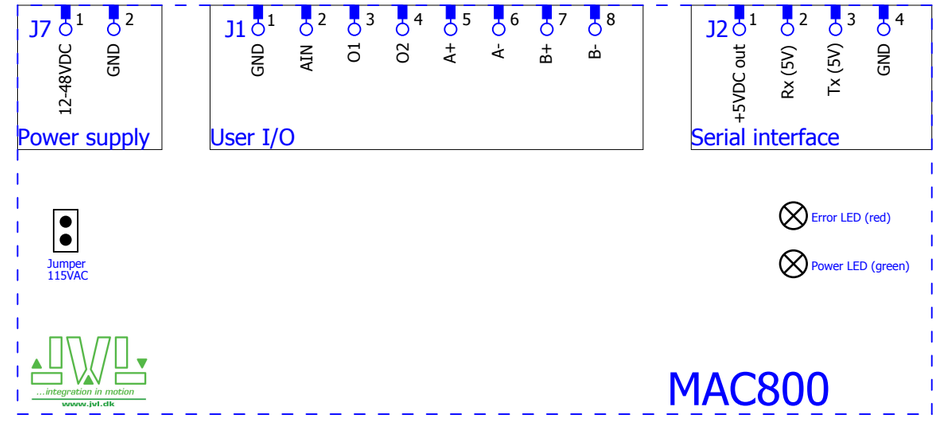
$(MD_MACROS)\..\JVL\Servomotoren\MAC800-D3



			Date	28.04.2009	JVL_MACROS_2009		JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	MAC800-D3	= JVL
			Ed.	BAN					+ SERVO
			Appr		Macro project servo- and step motors				Page 17
Modification	Date	Name	Original		Replacement of	Replaced by			Page 80

0	1	2	3	4	5	6	7	8	9

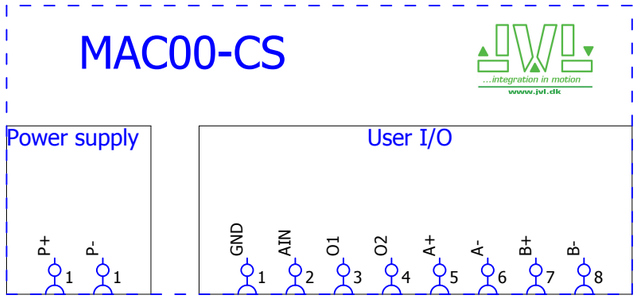
$(MD_MACROS)\..\JVL\Servomotoren\MAC800-D6



			Date	28.04.2009	JVL_MACROS_2009		JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	MAC800-D6	= JVL
			Ed.	BAN					+ SERVO
			Appr		Macro project servo- and step motors				Page 18
Modification	Date	Name	Original		Replacement of	Replaced by			Page 80

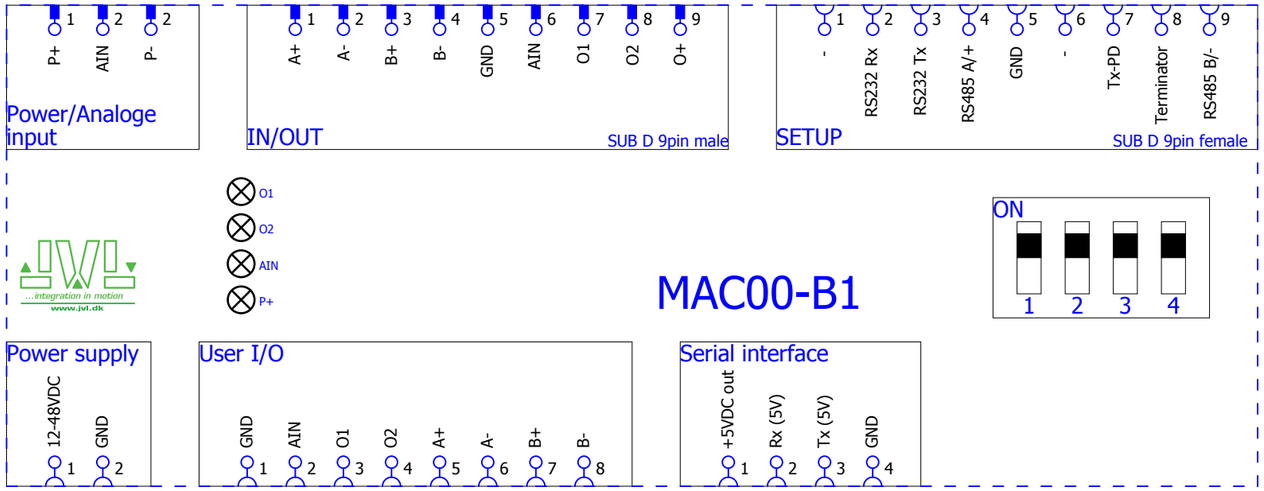
$(MD_MACROS)\..\JVL\Servomotoren\MAC00-CS

MAC00-CS



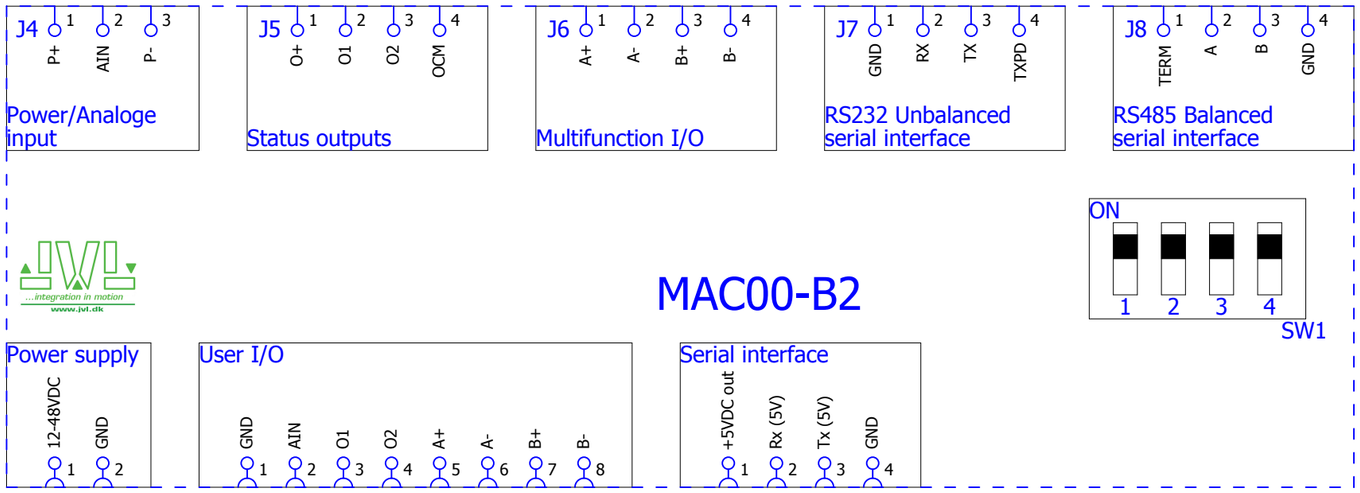
			Date	28.04.2009	JVL_MACROS_2009	JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	MAC00-CS	= JVL	
			Ed.	BAN				+ SERVO	
			Appr		Macro project servo- and step motors			Page	19
Modification	Date	Name	Original		Replacement of	Replaced by		Page	80

$(MD_MACROS)\..\JVL\Servomotoren\MAC00-B1



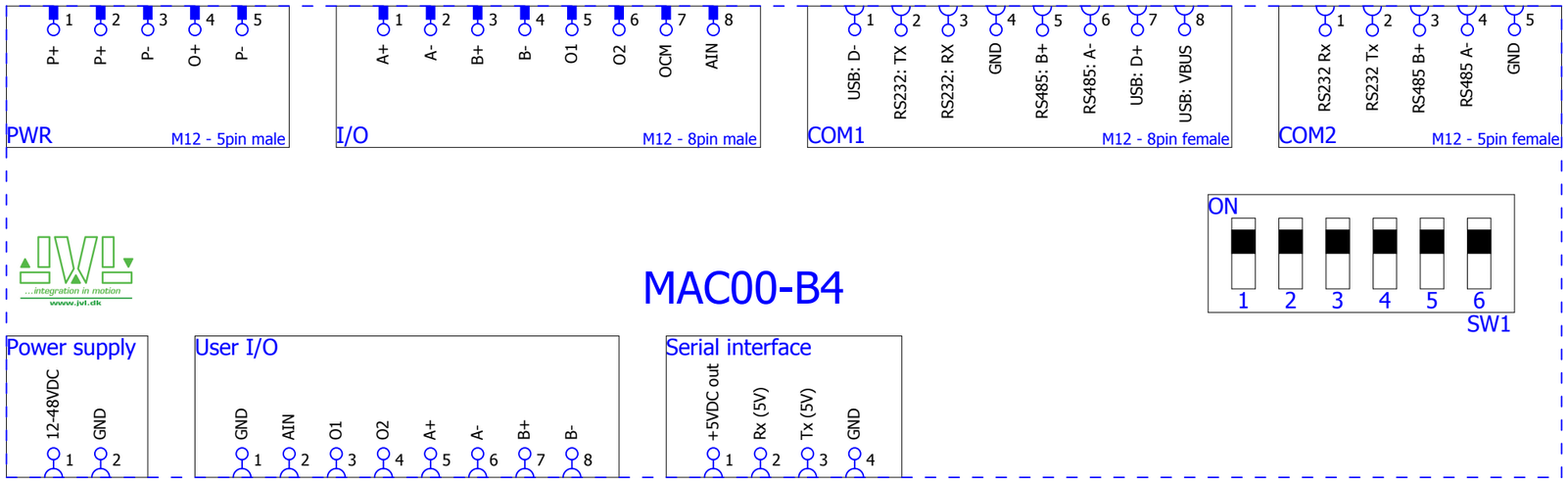
			Date	28.04.2009	JVL_MACROS_2009		JVL Industri Elektronik A/S	MAC00-B1	= JVL
			Ed.	BAN			Blokken 42		+ SERVO
			Appr		Macro project servo- and step motors		DK-3460 Birkerod		Page 20
Modification	Date	Name	Original		Replacement of	Replaced by			Page 80

$(MD_MACROS)\..\JVL\Servomotoren\MAC00-B2



			Date	28.04.2009	JVL_MACROS_2009	JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	MAC00-B2	= JVL + SERVO
			Ed.	BAN				
			Appr		Macro project servo- and step motors			Page 21
Modification	Date	Name	Original		Replacement of	Replaced by		Page 80

$(MD_MACROS)\..\JVL\Servomotoren\MAC00-B4



			Date	28.04.2009	JVL_MACROS_2009	JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	MAC00-B4	= JVL
			Ed.	BAN				+ SERVO
			Appr		Macro project servo- and step motors			Page 22
Modification	Date	Name	Original		Replacement of	Replaced by		Page 80

$(MD_MACROS)\..\JVL\Servomotoren\MAC00-FC2

J1 1 TX-PD, 2 Tx, 3 Rx, 4 GND, 5 AIN, 6 GND — INTERFACE

J2 1 IN1, 2 IN2, 3 IN3, 4 IN4, 5 NL, 6 PL, 7 IO-, 8 NC, 9 CV, 10 CV — DIGITAL INPUTS

J4 1 O+, 2 O1, 3 O2, 4 NC, 5 NC, 6 NC, 7 NC, 8 IO- — DIGITAL OUTPUTS

J6 1 DGND, 2 A-, 3 B+, 4 5VDC — BUS IN

J7 1 DGND, 2 A-, 3 B+, 4 5VDC — BUS OUT

J8 1 P+, 2 P- — PWR

...integration in motion
www.jvl.dk

MAC00-FC2

ON 1 2 3 4 5 6 7 8 9 0 — SW1

ON 1 2 — SW2

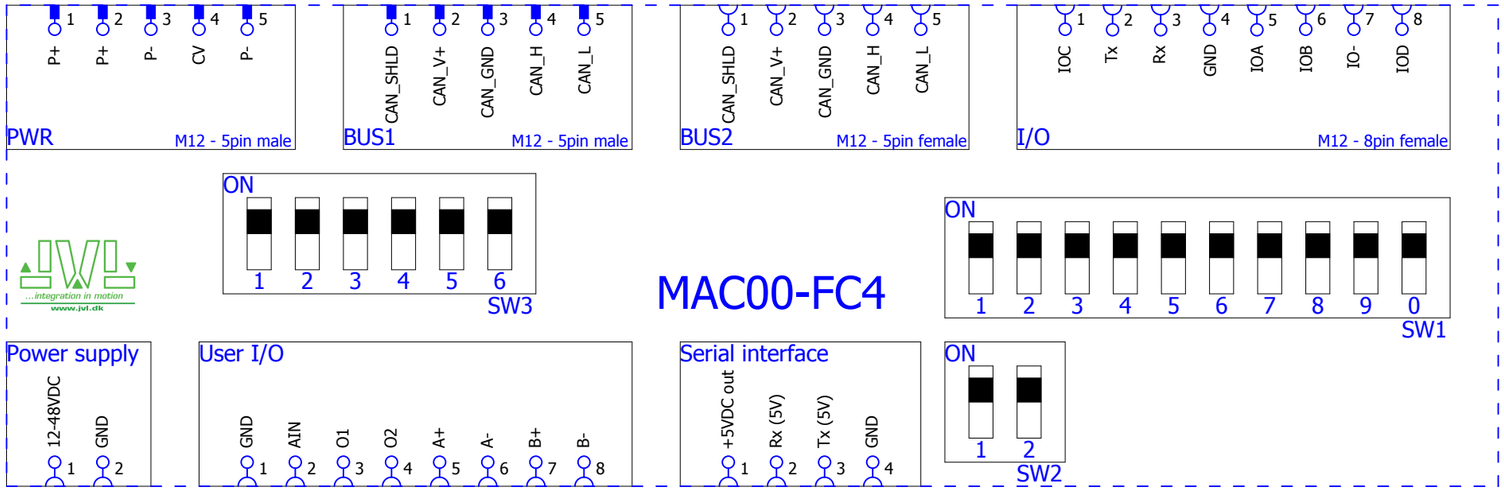
Power supply
- J3 1 12-48VDC
- J3 2 GND

User I/O
- J5 1 GND
- J5 2 AIN
- J5 3 O1
- J5 4 O2
- J5 5 A+
- J5 6 A-
- J5 7 B+
- J5 8 B-

Serial interface
- J9 1 +5VDC out
- J9 2 Rx (5V)
- J9 3 Tx (5V)
- J9 4 GND

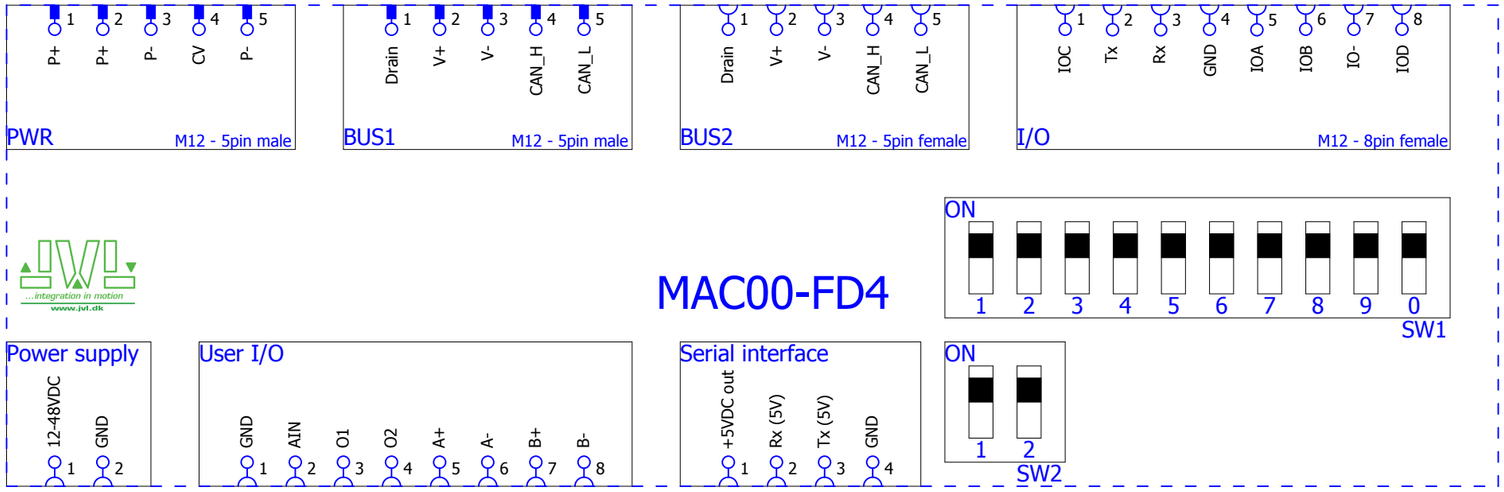
			Date	28.04.2009	JVL_MACROS_2009	JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	MAC00-FC2	= JVL
			Ed.	BAN				+ SERVO
			Appr		Macro project servo- and step motors			Page 23
Modification	Date	Name	Original		Replacement of	Replaced by		Page 80

$(MD_MACROS)\..\JVL\Servomotoren\MAC00-FC4



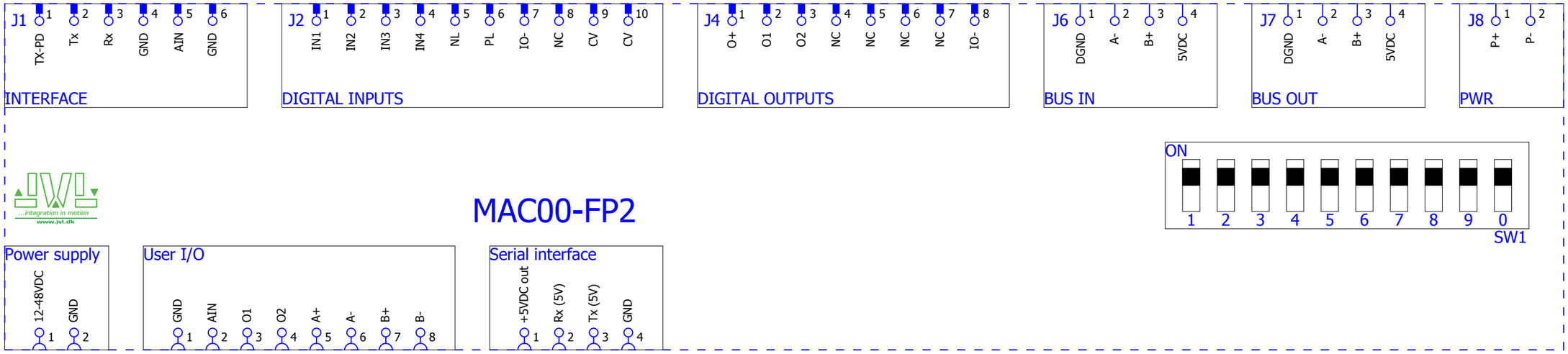
			Date	28.04.2009	JVL_MACROS_2009		JVL Industri Elektronik A/S	MAC00-FC4	= JVL
			Ed.	BAN			Blokken 42		+ SERVO
			Appr		Macro project servo- and step motors		DK-3460 Birkerod		Page 24
Modification	Date	Name	Original		Replacement of	Replaced by			Page 80

$(MD_MACROS)\..\JVL\Servomotoren\MAC00-FD4



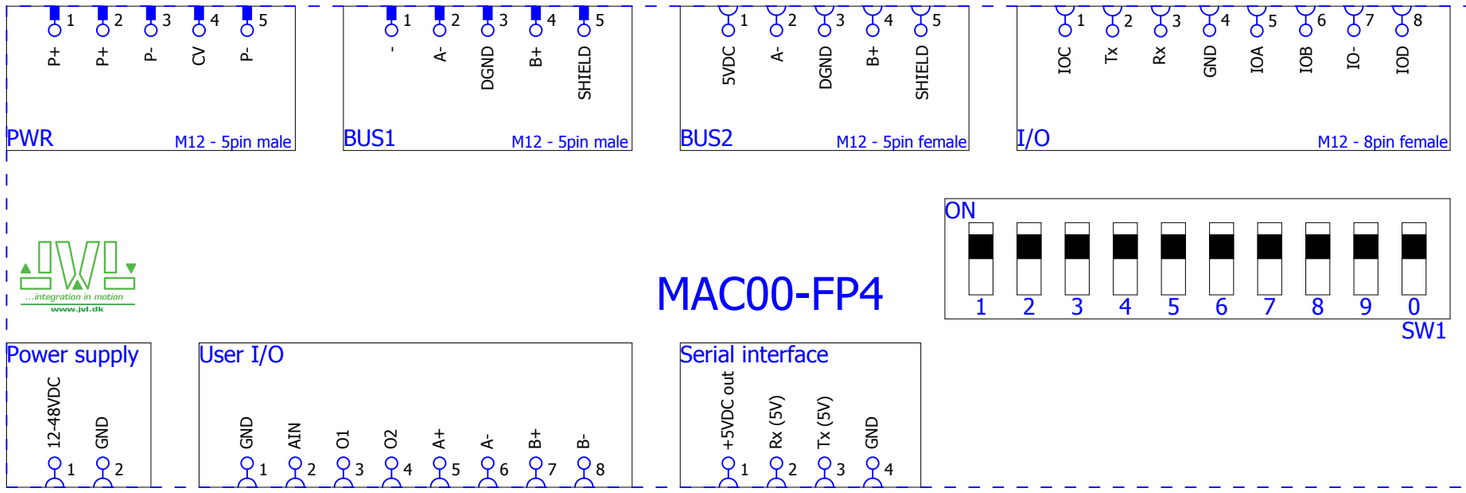
			Date	28.04.2009	JVL_MACROS_2009	JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	MAC00-FD4	= JVL
			Ed.	BAN				+ SERVO
			Appr		Macro project servo- and step motors			Page 25
Modification	Date	Name	Original		Replacement of	Replaced by		Page 80

$(MD_MACROS)\..\JVL\Servomotoren\MAC00-FP2



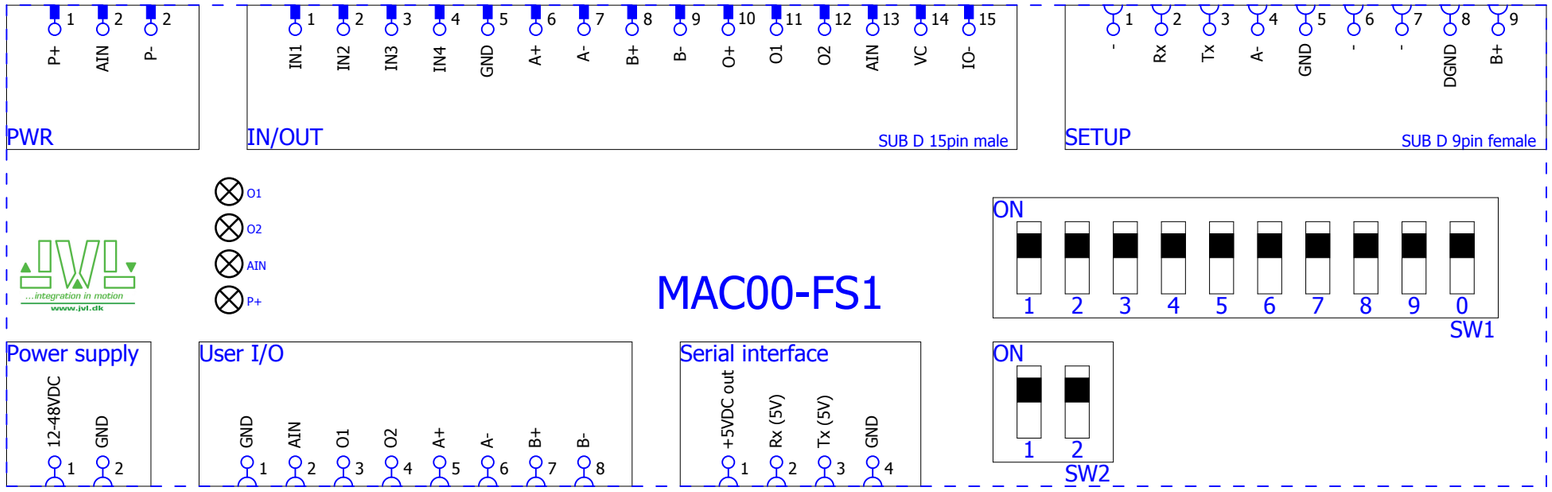
			Date	28.04.2009	JVL_MACROS_2009	JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	MAC00-FP2	= JVL + SERVO
			Ed.	BAN				
			Appr		Macro project servo- and step motors			Page 26
Modification	Date	Name	Original		Replacement of	Replaced by		Page 80

$(MD_MACROS)\..\JVL\Servomotoren\MAC00-FP4



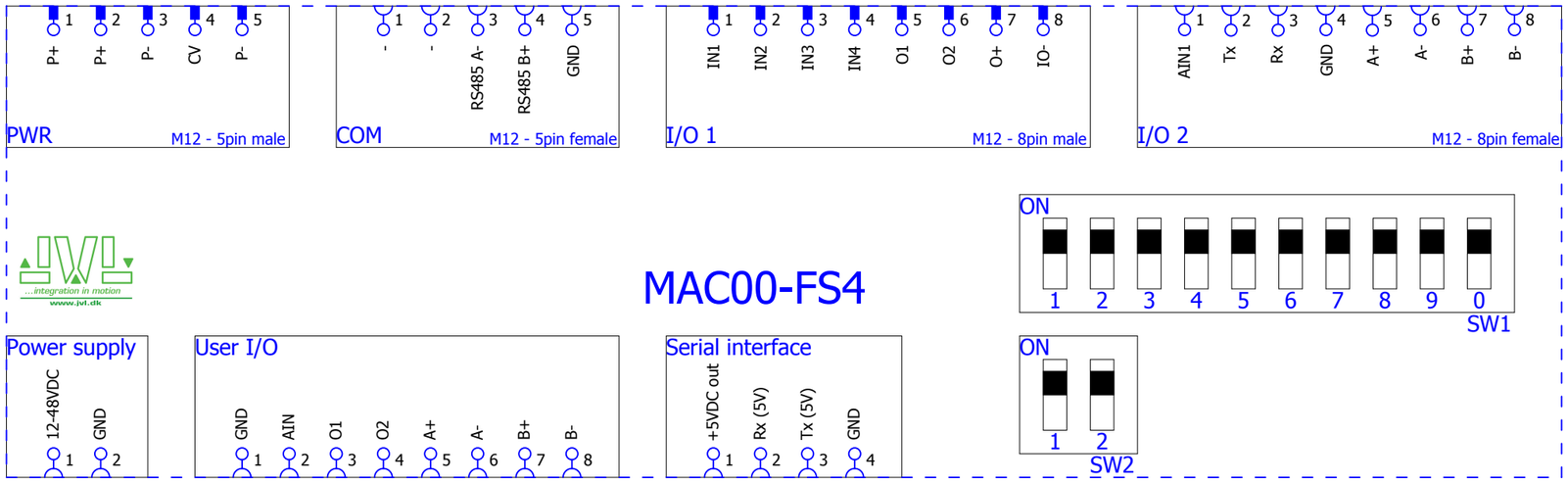
			Date	28.04.2009	JVL_MACROS_2009		JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	MAC00-FP4	= JVL
			Ed.	BAN					+ SERVO
			Appr		Macro project servo- and step motors				Page 27
Modification	Date	Name	Original		Replacement of	Replaced by			Page 80

$(MD_MACROS)\..\JVL\Servomotoren\MAC00-FS1



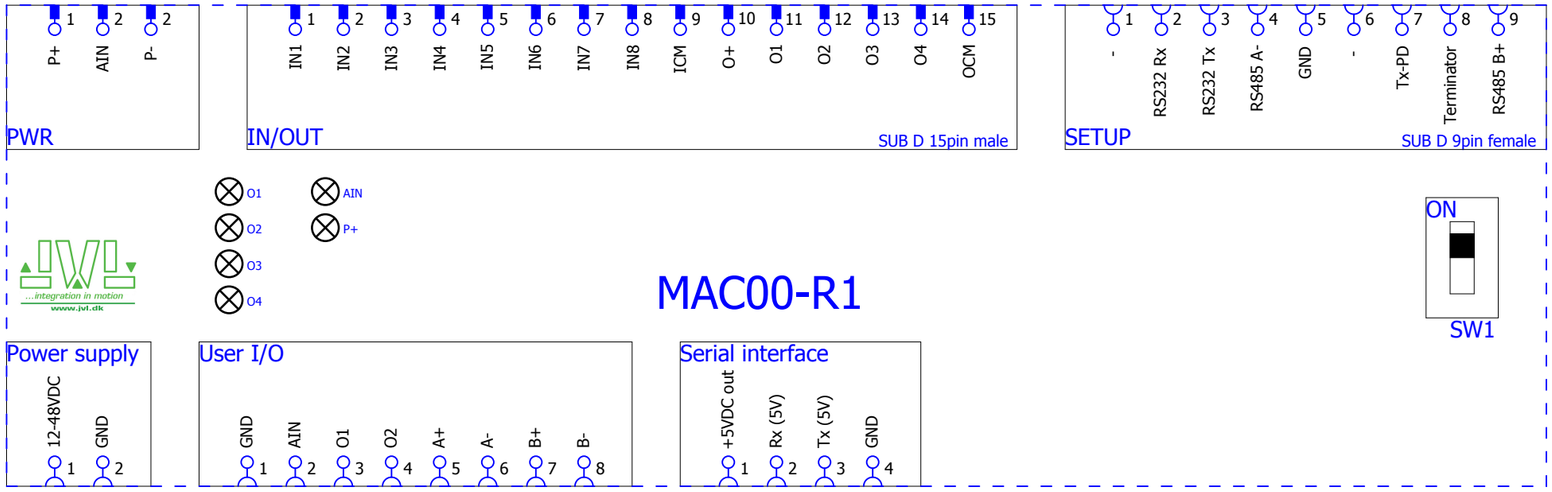
			Date	28.04.2009	JVL_MACROS_2009	JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	MAC00-FS1	= JVL + SERVO
			Ed.	BAN				
			Appr		Macro project servo- and step motors			Page 28
Modification	Date	Name	Original		Replacement of	Replaced by		Page 80

$(MD_MACROS)\..\JVL\Servomotoren\MAC00-FS4



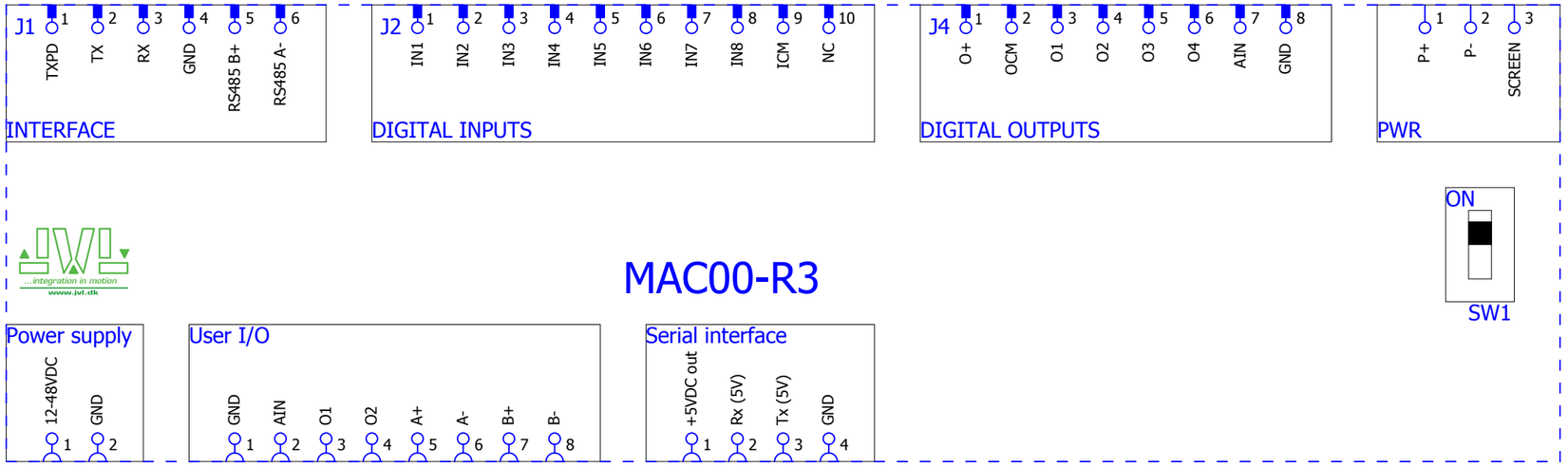
			Date	28.04.2009	JVL_MACROS_2009	JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	MAC00-FS4	= JVL
			Ed.	BAN				+ SERVO
			Appr		Macro project servo- and step motors			Page 29
Modification	Date	Name	Original		Replacement of / Replaced by			Page 80

$(MD_MACROS)\..\JVL\Servomotoren\MAC00-R1



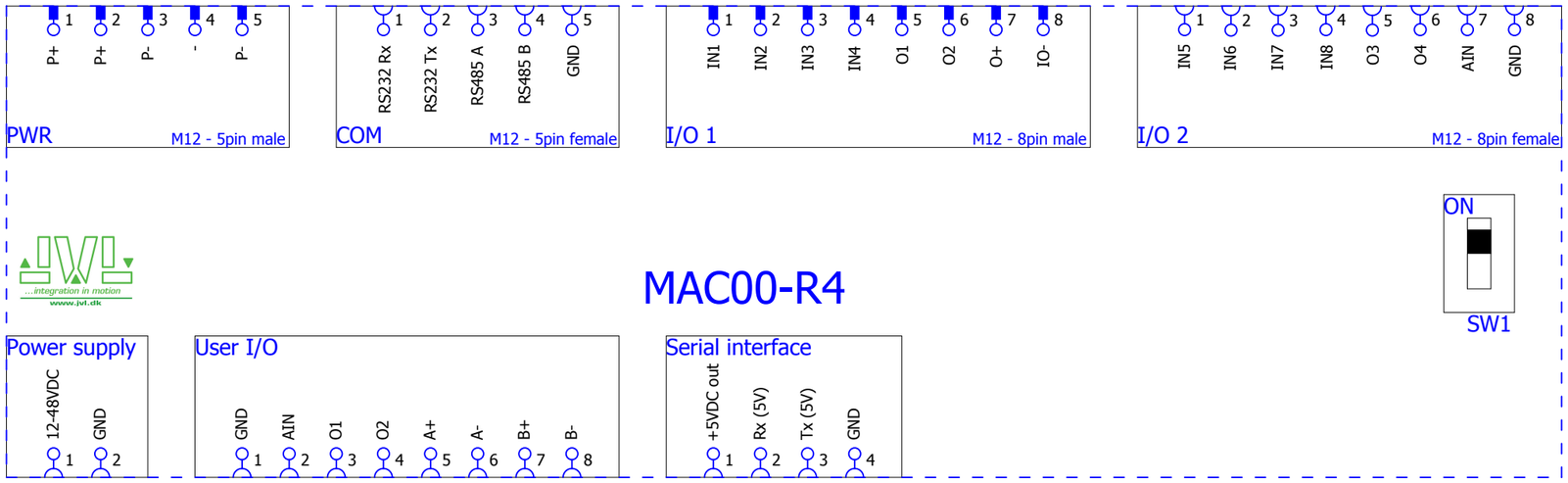
			Date	28.04.2009	JVL_MACROS_2009		JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	MAC00-R1	= JVL
			Ed.	BAN					+ SERVO
			Appr		Macro project servo- and step motors				Page 30
Modification	Date	Name	Original		Replacement of	Replaced by			Page 80

$(MD_MACROS)\..\JVL\Servomotoren\MAC00-R3



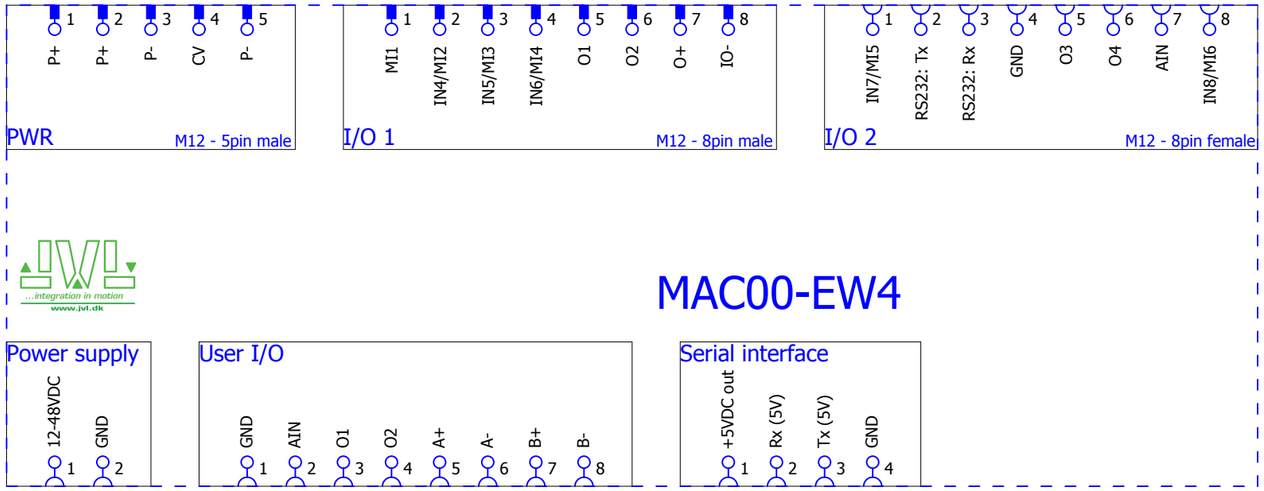
			Date	28.04.2009	JVL_MACROS_2009		JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	MAC00-R3	= JVL
			Ed.	BAN					+ SERVO
			Appr		Macro project servo- and step motors				Page 31
Modification	Date	Name	Original		Replacement of	Replaced by			Page 80

$(MD_MACROS)\..\JVL\Servomotoren\MAC00-R4



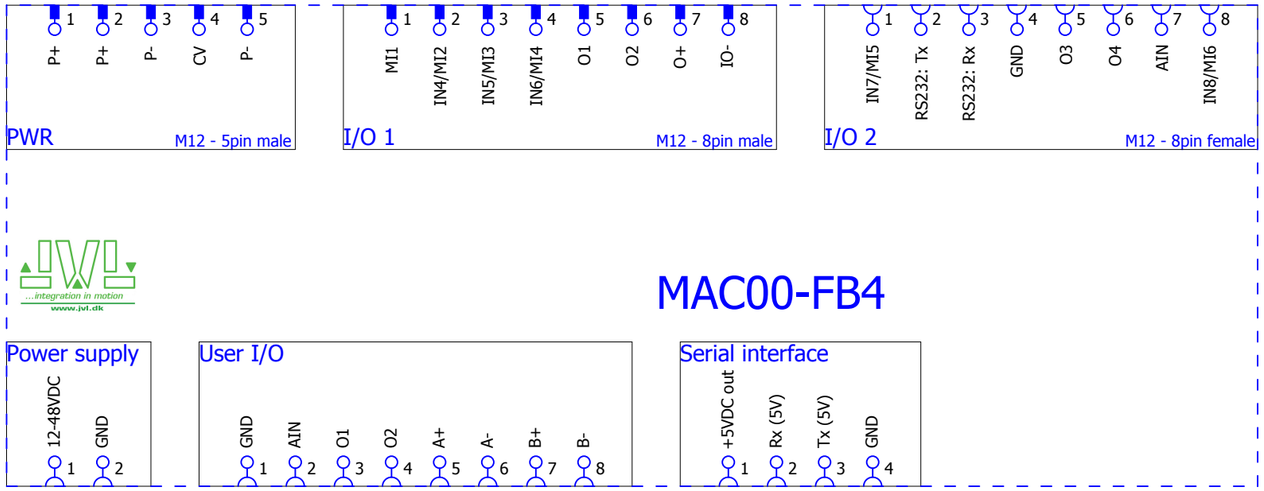
			Date	28.04.2009	JVL_MACROS_2009	JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	MAC00-R4	= JVL
			Ed.	BAN				+ SERVO
			Appr		Macro project servo- and step motors			Page 32
Modification	Date	Name	Original		Replacement of	Replaced by		Page 80

$(MD_MACROS)\..\JVL\Servomotoren\MAC00-EW4

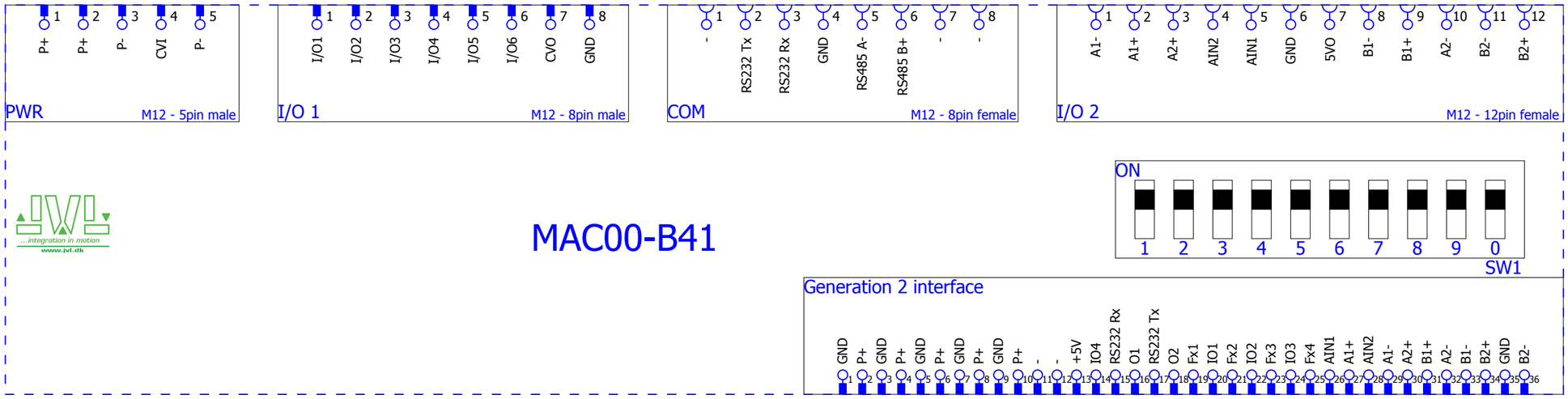


			Date	28.04.2009	JVL_MACROS_2009		JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	MAC00-EW4	= JVL
			Ed.	BAN					+ SERVO
			Appr		Macro project servo- and step motors				Page 33
Modification	Date	Name	Original		Replacement of	Replaced by			Page 80

$(MD_MACROS)\..\JVL\Servomotoren\MAC00-FB4



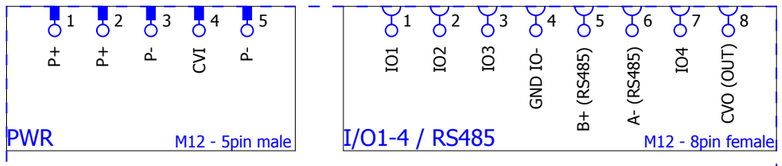
$(MD_MACROS)\..\JVL\Servomotoren\MAC00-B41



			Date	28.04.2009	JVL_MACROS_2009	JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	MAC00-B41	= JVL
			Ed.	BAN				+ SERVO
			Appr		Macro project servo- and step motors			Page 35
Modification	Date	Name	Original		Replacement of	Replaced by		Page 80

0	1	2	3	4	5	6	7	8	9

$(MD_MACROS)\..\JVL\Schrittmotoren\MIS231A1M2N075



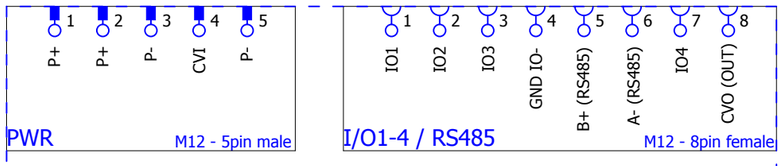
MIS231A1M2N075

+SERVO/35

			Date	28.04.2009	JVL_MACROS_2009	JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	MIS231A1M2N075	= JVL
			Ed.	BAN				+ STEP
			Appr		Macro project servo- and step motors			Page 1
Modification	Date	Name	Original		Replacement of	Replaced by		Page 80

0	1	2	3	4	5	6	7	8	9

$(MD_MACROS)\..\JVL\Schrittmotoren\MIS232A1M2N075



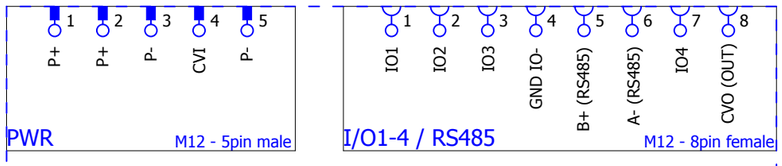
MIS232A1M2N075

1 3

			Date	28.04.2009	JVL_MACROS_2009	JVL Industri Elektronik A/S	MIS232A1M2N075	= JVL	
			Ed.	BAN		Blokken 42		+ STEP	
			Appr		Macro project servo- and step motors	DK-3460 Birkerod		Page	2
Modification	Date	Name	Original		Replacement of / Replaced by			Page	80

0	1	2	3	4	5	6	7	8	9

$(MD_MACROS)\..\JVL\Schrittmotoren\MIS234A3M2N075



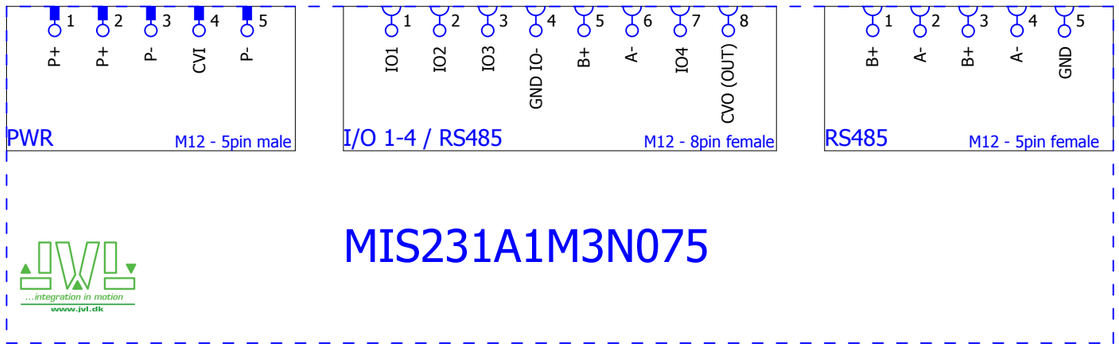
MIS234A3M2N075

2 4

			Date	28.04.2009	JVL_MACROS_2009	JVL Industri Elektronik A/S	MIS234A3M2N075	= JVL	
			Ed.	BAN		Blokken 42		+ STEP	
			Appr		Macro project servo- and step motors	DK-3460 Birkerod		Page	3
Modification	Date	Name	Original		Replacement of	Replaced by		Page	80

0	1	2	3	4	5	6	7	8	9

$(MD_MACROS)\..\JVL\Schrittmotoren\MIS231A1M3N075

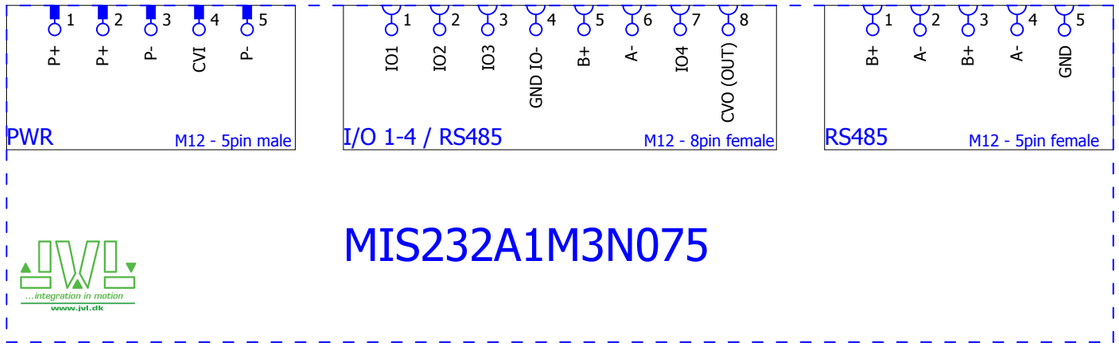


3 5

			Date	28.04.2009	JVL_MACROS_2009	JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	MIS231A1M3N075	= JVL + STEP
			Ed.	BAN				
			Appr		Macro project servo- and step motors			Page 4
Modification	Date	Name	Original		Replacement of	Replaced by		Page 80

0	1	2	3	4	5	6	7	8	9

$(MD_MACROS)\..\JVL\Schrittmotoren\MIS232A1M3N075

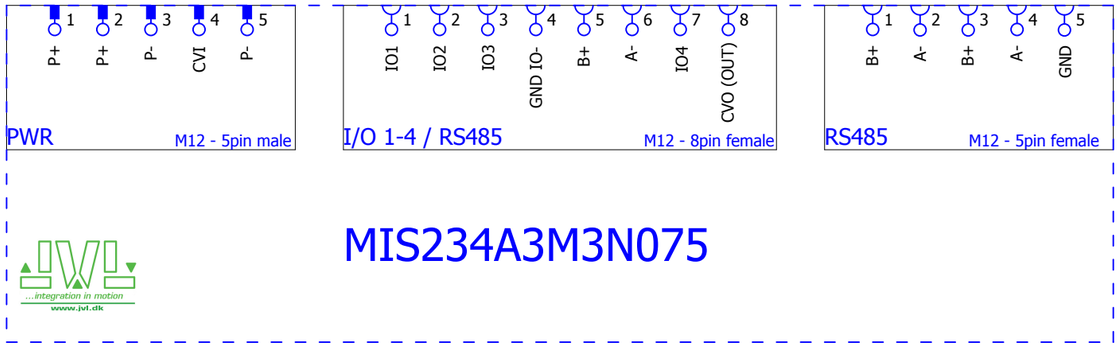


4 6

			Date	28.04.2009	JVL_MACROS_2009	JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	MIS232A1M3N075	= JVL
			Ed.	BAN				+ STEP
			Appr		Macro project servo- and step motors			Page 5
Modification	Date	Name	Original		Replacement of	Replaced by		Page 80

0	1	2	3	4	5	6	7	8	9

$(MD_MACROS)\..\JVL\Schrittmotoren\MIS234A3M3N075

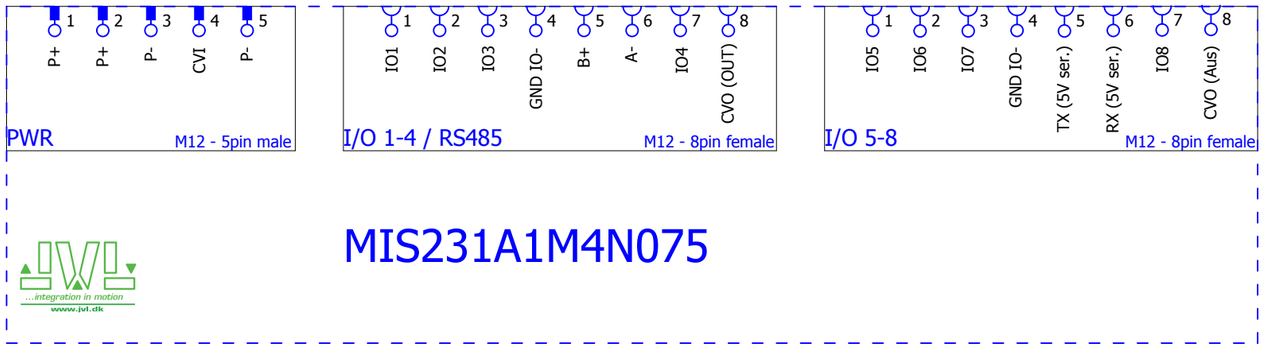


5 7

			Date	28.04.2009	JVL_MACROS_2009		JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	MIS234A3M3N075	= JVL
			Ed.	BAN					+ STEP
			Appr		Macro project servo- and step motors				Page 6
Modification	Date	Name	Original		Replacement of	Replaced by			Page 80

0	1	2	3	4	5	6	7	8	9

$(MD_MACROS)\..\JVL\Schrittmotoren\MIS231A1M4N075

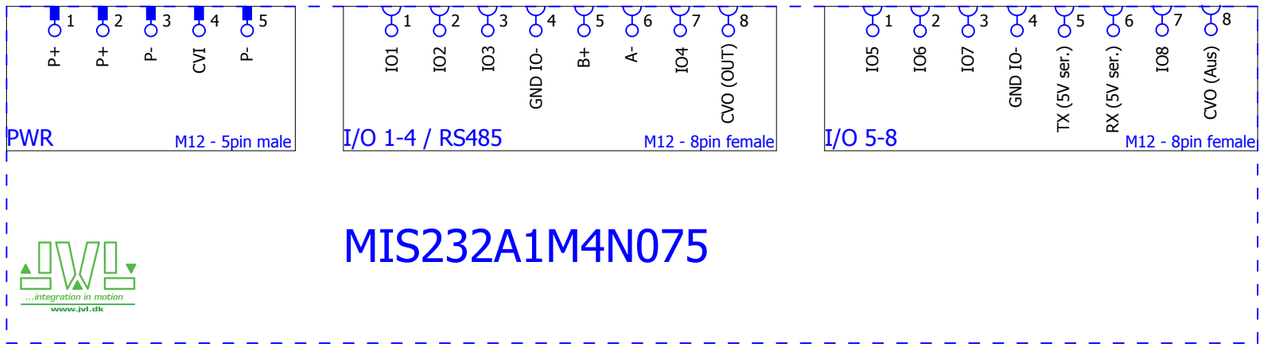


6 8

			Date	28.04.2009	JVL_MACROS_2009	JVL Industri Elektronik A/S	MIS231A1M4N075	= JVL
			Ed.	BAN		Blokken 42		+ STEP
			Appr		Macro project servo- and step motors	DK-3460 Birkerod		Page 7
Modification	Date	Name	Original		Replacement of / Replaced by			Page 80

0	1	2	3	4	5	6	7	8	9

$(MD_MACROS)\..\JVL\Schrittmotoren\MIS232A1M4N075

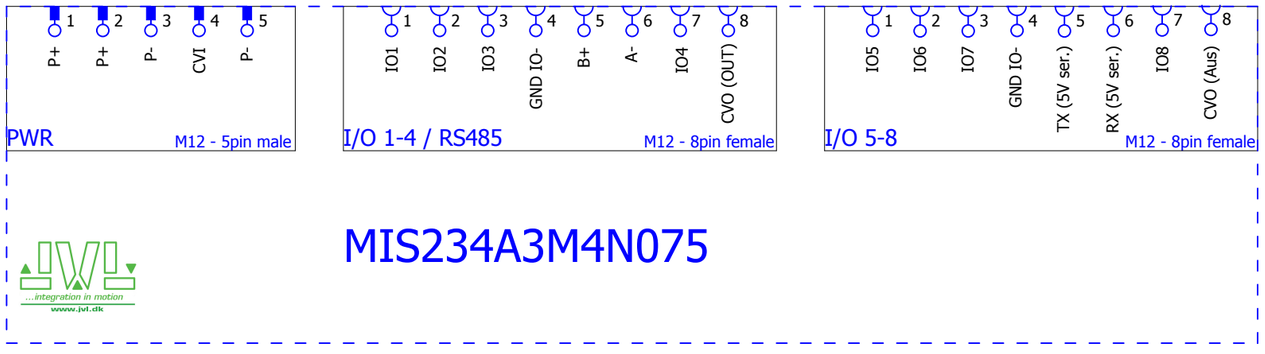


7 9

			Date	28.04.2009	JVL_MACROS_2009	JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	MIS232A1M4N075	= JVL
			Ed.	BAN				+ STEP
			Appr		Macro project servo- and step motors			Page 8
Modification	Date	Name	Original		Replacement of	Replaced by		Page 80

0	1	2	3	4	5	6	7	8	9

$(MD_MACROS)\..\JVL\Schrittmotoren\MIS234A3M4N075

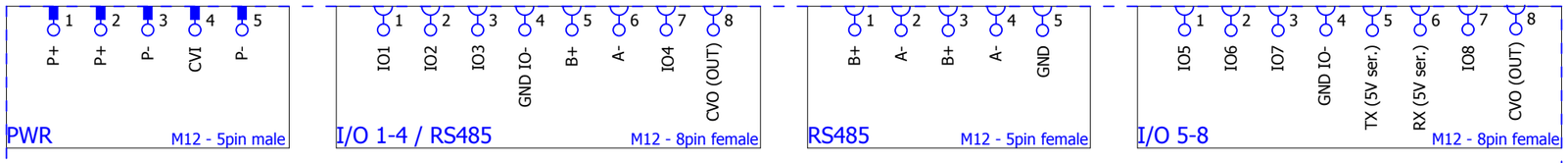


8 10

			Date	28.04.2009	JVL_MACROS_2009	JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	MIS234A3M4N075	= JVL
			Ed.	BAN				+ STEP
			Appr		Macro project servo- and step motors			Page 9
Modification	Date	Name	Original		Replacement of	Replaced by		Page 80

0	1	2	3	4	5	6	7	8	9

$(MD_MACROS)\..\JVL\Schrittmotoren\MIS231A1M5N075

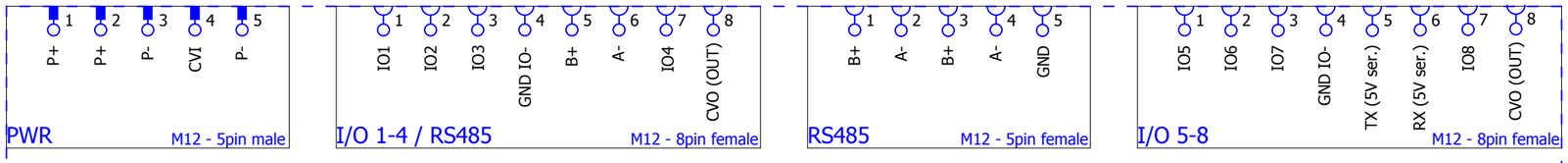


MIS231A1M5N075

			Date	28.04.2009	JVL_MACROS_2009	JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	MIS231A1M5N075	= JVL + STEP
			Ed.	BAN				
			Appr		Macro project servo- and step motors			Page 10
Modification	Date	Name	Original		Replacement of	Replaced by		Page 80

0	1	2	3	4	5	6	7	8	9

$(MD_MACROS)\..\JVL\Schrittmotoren\MIS232A1M5N075



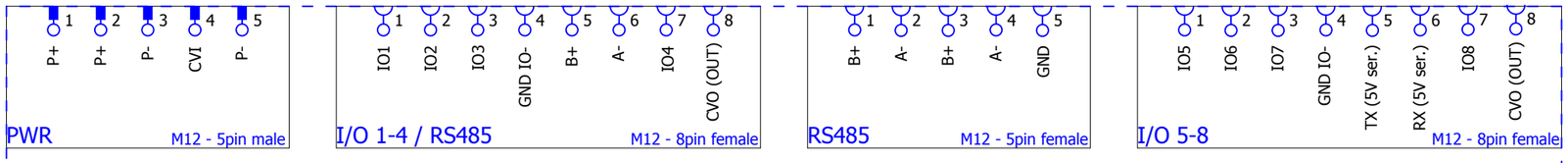
MIS232A1M5N075

...integration in motion
www.jvl.dk

			Date	28.04.2009	JVL_MACROS_2009	JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	MIS232A1M5N075	= JVL
			Ed.	BAN				+ STEP
			Appr		Macro project servo- and step motors			Page 11
Modification	Date	Name	Original		Replacement of	Replaced by		Page 80

0	1	2	3	4	5	6	7	8	9

$(MD_MACROS)\..\JVL\Schrittmotoren\MIS234A3M5N075

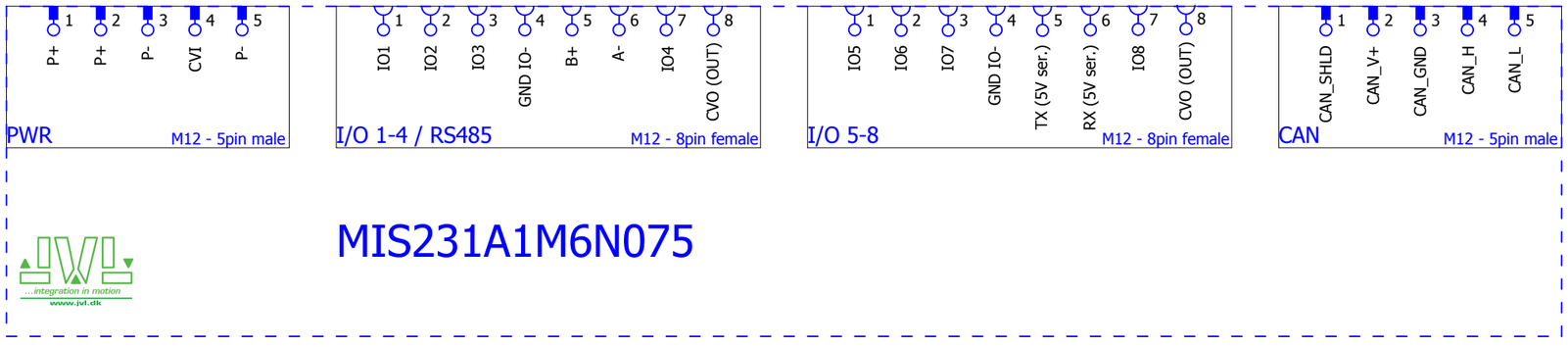


MIS234A3M5N075

			Date	28.04.2009	JVL_MACROS_2009	JVL Industri Elektronik A/S	MIS234A3M5N075	= JVL
			Ed.	BAN		Blokken 42		+ STEP
			Appr		Macro project servo- and step motors	DK-3460 Birkerod		Page 12
Modification	Date	Name	Original		Replacement of / Replaced by			Page 80

0	1	2	3	4	5	6	7	8	9

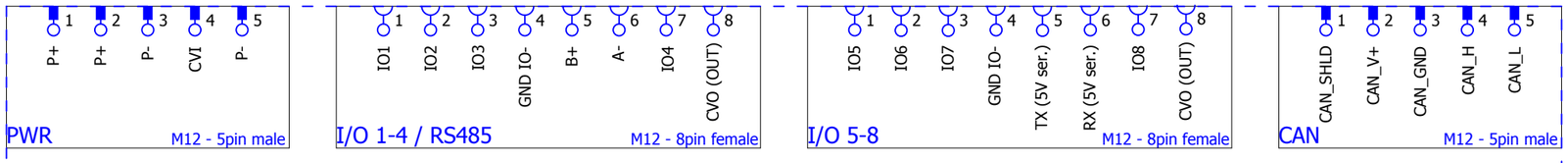
$(MD_MACROS)\..\JVL\Schrittmotoren\MIS231A1M6N075



			Date	28.04.2009	JVL_MACROS_2009	JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	MIS231A1M6N075	= JVL
			Ed.	BAN				+ STEP
			Appr		Macro project servo- and step motors			Page 13
Modification	Date	Name	Original		Replacement of	Replaced by		Page 80

0	1	2	3	4	5	6	7	8	9

$(MD_MACROS)\..\JVL\Schrittmotoren\MIS232A1M6N075



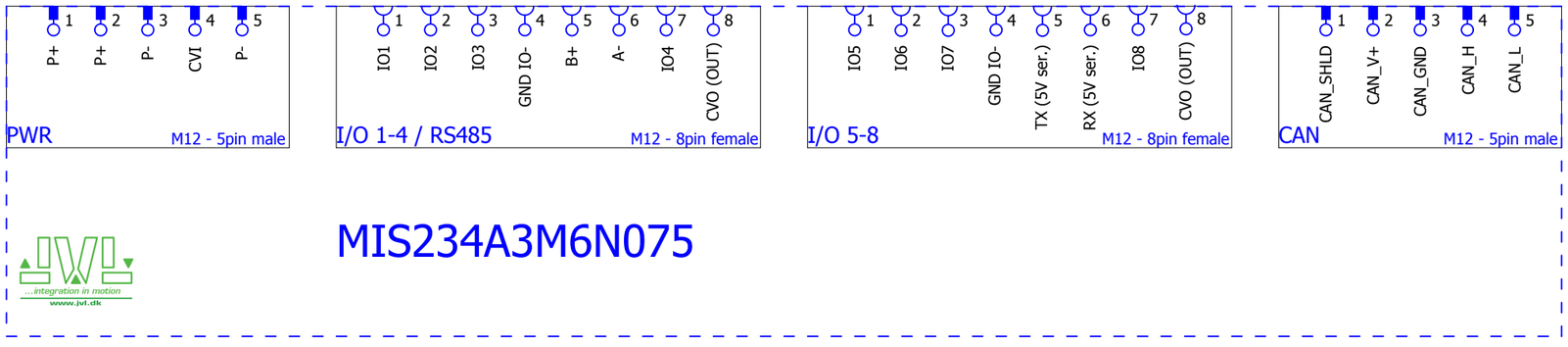
13

15

			Date	28.04.2009	JVL_MACROS_2009	JVL Industri Elektronik A/S	MIS232A1M6N075	= JVL	
			Ed.	BAN		Blokken 42		+ STEP	
			Appr		Macro project servo- and step motors	DK-3460 Birkerod		Page	14
Modification	Date	Name	Original		Replacement of	Replaced by		Page	80

0	1	2	3	4	5	6	7	8	9

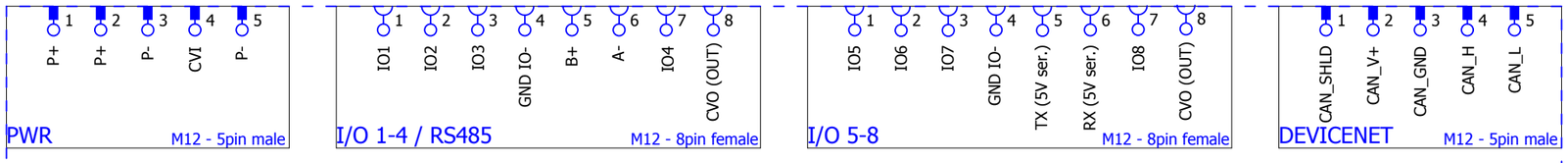
$(MD_MACROS)\..\JVL\Schrittmotoren\MIS234A3M6N075



			Date	28.04.2009	JVL_MACROS_2009	JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	MIS234A3M6N075	= JVL
			Ed.	BAN				+ STEP
			Appr		Macro project servo- and step motors			Page 15
Modification	Date	Name	Original		Replacement of	Replaced by		Page 80

0	1	2	3	4	5	6	7	8	9

$(MD_MACROS)\..\JVL\Schrittmotoren\MIS231A1M7N075



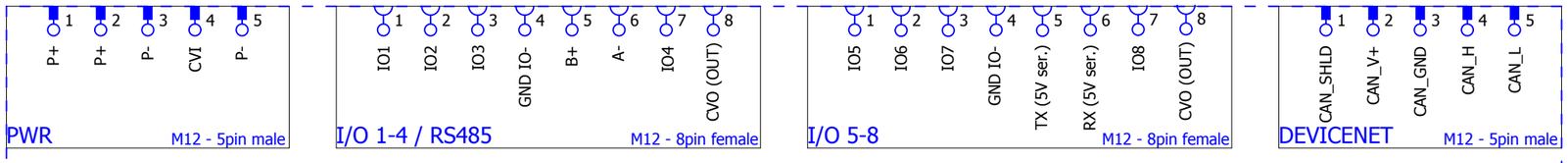
15

17

			Date	28.04.2009	JVL_MACROS_2009	JVL Industri Elektronik A/S	MIS231A1M7N075	= JVL
			Ed.	BAN		Blokken 42		+ STEP
			Appr		Macro project servo- and step motors	DK-3460 Birkerod		Page 16
Modification	Date	Name	Original		Replacement of	Replaced by		Page 80

0	1	2	3	4	5	6	7	8	9

$(MD_MACROS)\..\JVL\Schrittmotoren\MIS232A1M7N075

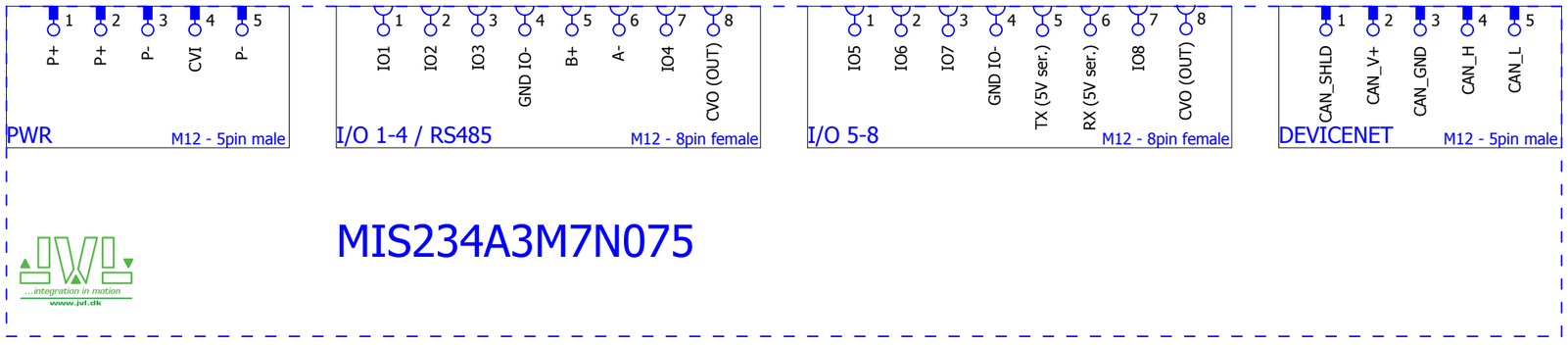


MIS232A1M7N075

			Date	28.04.2009	JVL_MACROS_2009	JVL Industri Elektronik A/S	MIS232A1M7N075	= JVL
			Ed.	BAN		Blokken 42		+ STEP
			Appr		Macro project servo- and step motors	DK-3460 Birkerod		Page 17
Modification	Date	Name	Original		Replacement of / Replaced by			Page 80

0	1	2	3	4	5	6	7	8	9

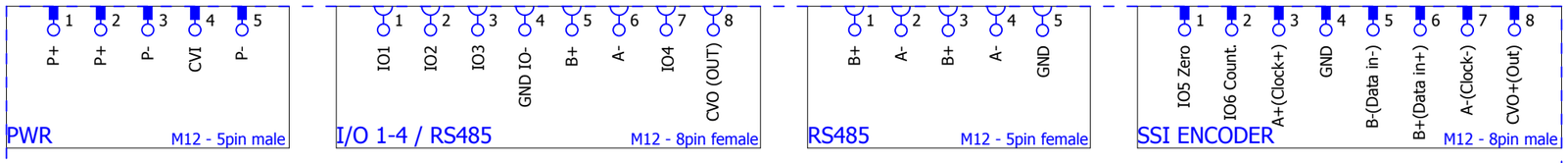
$(MD_MACROS)\..\JVL\Schrittmotoren\MIS234A3M7N075



			Date	28.04.2009	JVL_MACROS_2009	JVL Industri Elektronik A/S	MIS234A3M7N075	= JVL
			Ed.	BAN		Blokken 42		+ STEP
			Appr		Macro project servo- and step motors	DK-3460 Birkerod		Page 18
Modification	Date	Name	Original		Replacement of / Replaced by			Page 80

0	1	2	3	4	5	6	7	8	9

$(MD_MACROS)\..\JVL\Schrittmotoren\MIS231A1M9H275

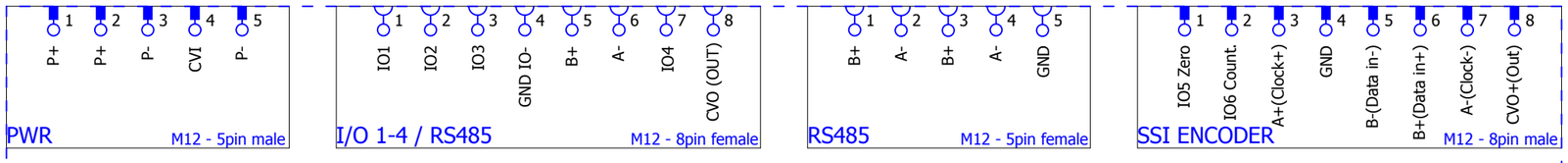


MIS231A1M9H275

			Date	28.04.2009	JVL_MACROS_2009	JVL Industri Elektronik A/S	MIS231A1M9H275	= JVL
			Ed.	BAN		Blokken 42		+ STEP
			Appr		Macro project servo- and step motors	DK-3460 Birkerod		Page 19
Modification	Date	Name	Original		Replacement of / Replaced by			Page 80

0	1	2	3	4	5	6	7	8	9

$(MD_MACROS)\..\JVL\Schrittmotoren\MIS232A1M9H275

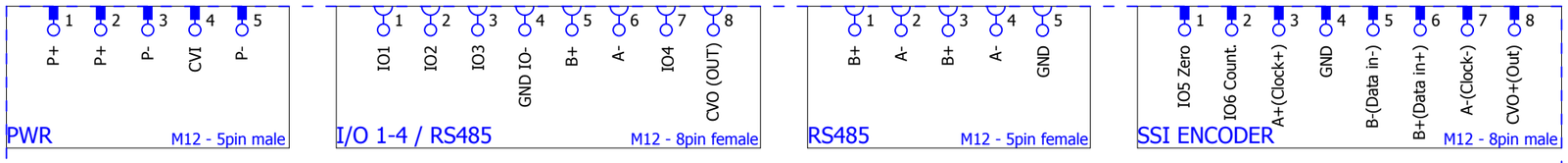


MIS232A1M9H275

			Date	28.04.2009	JVL_MACROS_2009	JVL Industri Elektronik A/S	MIS232A1M9H275	= JVL
			Ed.	BAN		Blokken 42		+ STEP
			Appr		Macro project servo- and step motors	DK-3460 Birkerod		Page 20
Modification	Date	Name	Original		Replacement of / Replaced by			Page 80

0	1	2	3	4	5	6	7	8	9

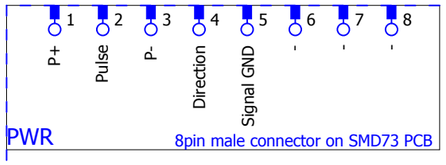
$(MD_MACROS)\..\JVL\Schrittmotoren\MIS234A3M9H275



MIS234A3M9H275

0	1	2	3	4	5	6	7	8	9

$(MD_MACROS)\..\JVL\Schrittmotoren\MIS231A1W0N073XYYE03

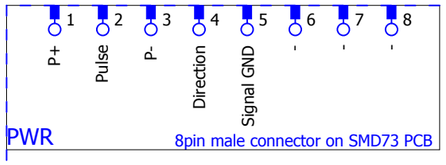


MIS231A1W0N073XYYE03

			Date	28.04.2009	JVL_MACROS_2009		JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	MIS231A1W0N073XYYE03	= JVL + STEP
			Ed.	mk					
			Appr		Macro project servo- and step motors				Page 22
Modification	Date	Name	Original		Replacement of	Replaced by			Page 80

0	1	2	3	4	5	6	7	8	9

$(MD_MACROS)\..\JVL\Schrittmotoren\MIS232A1W0N073XYYE03

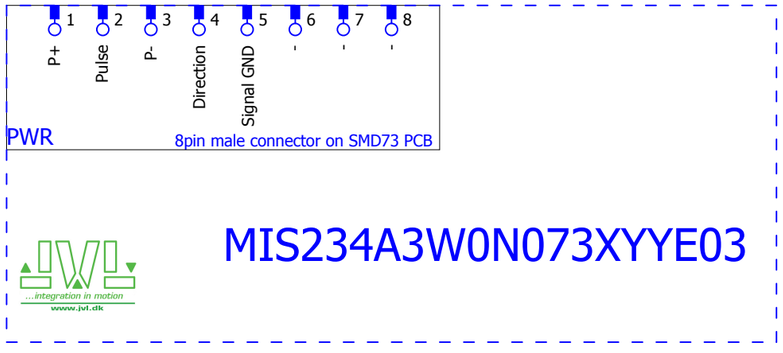


MIS232A1W0N073XYYE03

			Date	28.04.2009	JVL_MACROS_2009		JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	MIS232A1W0N073XYYE03	= JVL
			Ed.	mk					+ STEP
			Appr		Macro project servo- and step motors				Page 23
Modification	Date	Name	Original		Replacement of	Replaced by			Page 80

0	1	2	3	4	5	6	7	8	9

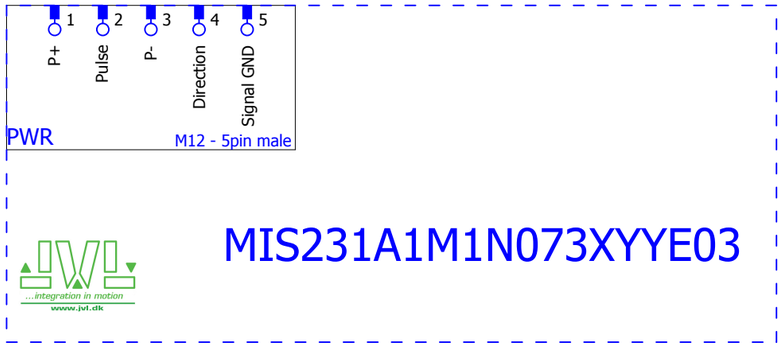
$(MD_MACROS)\..\JVL\Schrittmotoren\MIS234A3W0N073XYYE03



			Date	28.04.2009	JVL_MACROS_2009		JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	MIS234A3W0N073XYYE03	= JVL
			Ed.	mk					+ STEP
			Appr		Macro project servo- and step motors				Page 24
Modification	Date	Name	Original		Replacement of	Replaced by			Page 80

0	1	2	3	4	5	6	7	8	9

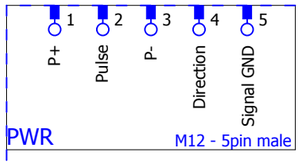
$(MD_MACROS)\..\JVL\Schrittmotoren\MIS231A1M1N073XYYE03



			Date	28.04.2009	JVL_MACROS_2009		JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	MIS231A1M1N073XYYE03	= JVL
			Ed.	mk					+ STEP
			Appr		Macro project servo- and step motors				Page 25
Modification	Date	Name	Original		Replacement of	Replaced by			Page 80

0	1	2	3	4	5	6	7	8	9

$(MD_MACROS)\..\JVL\Schrittmotoren\MIS232A1M1N073XYYE03

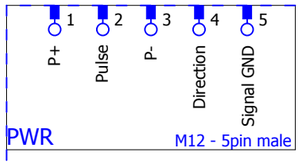


MIS232A1M1N073XYYE03

			Date	28.04.2009	JVL_MACROS_2009		JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	MIS232A1M1N073XYYE03	= JVL
			Ed.	mk					+ STEP
			Appr		Macro project servo- and step motors				Page 26
Modification	Date	Name	Original		Replacement of	Replaced by			Page 80

0	1	2	3	4	5	6	7	8	9

$(MD_MACROS)\..\JVL\Schrittmotoren\MIS234A3M1N073XYYE03

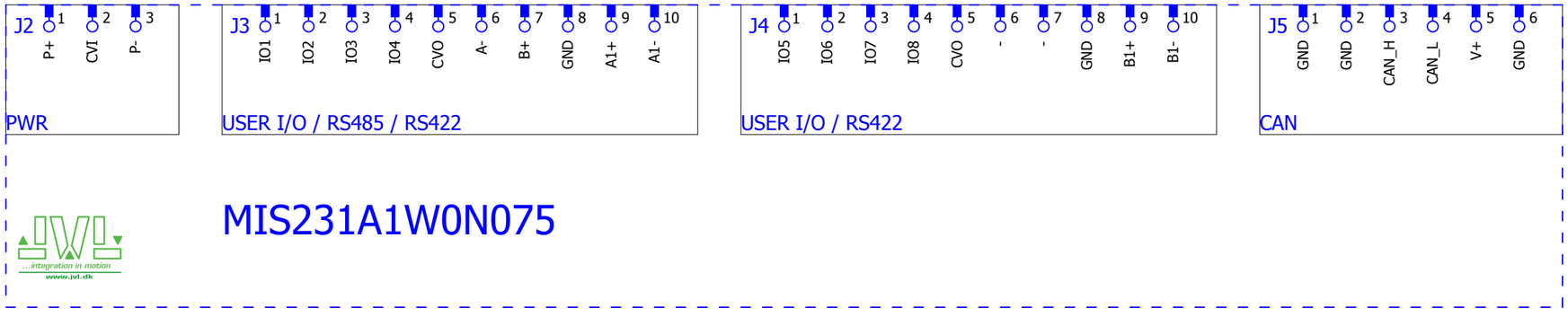


MIS234A3M1N073XYYE03

			Date	28.04.2009	JVL_MACROS_2009		JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	MIS234A3M1N073XYYE03	= JVL
			Ed.	mk					+ STEP
			Appr		Macro project servo- and step motors				Page 27
Modification	Date	Name	Original		Replacement of	Replaced by			Page 80

0	1	2	3	4	5	6	7	8	9

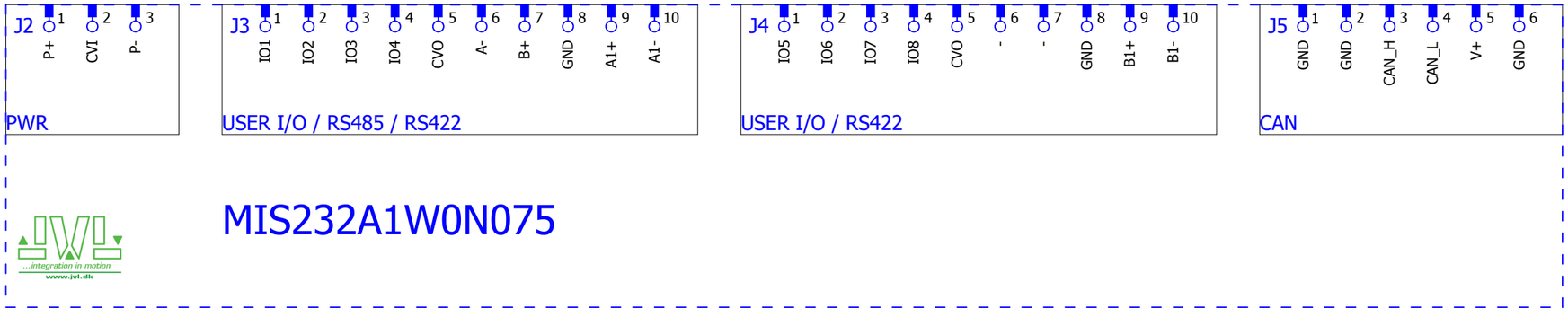
$(MD_MACROS)\..\JVL\Schrittmotoren\MIS231A1W0N075



			Date	28.04.2009	JVL_MACROS_2009		JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	MIS231A1W0N075	= JVL + STEP
			Ed.	mk					
			Appr		Macro project servo- and step motors				Page 28
Modification	Date	Name	Original		Replacement of	Replaced by			Page 80

0	1	2	3	4	5	6	7	8	9

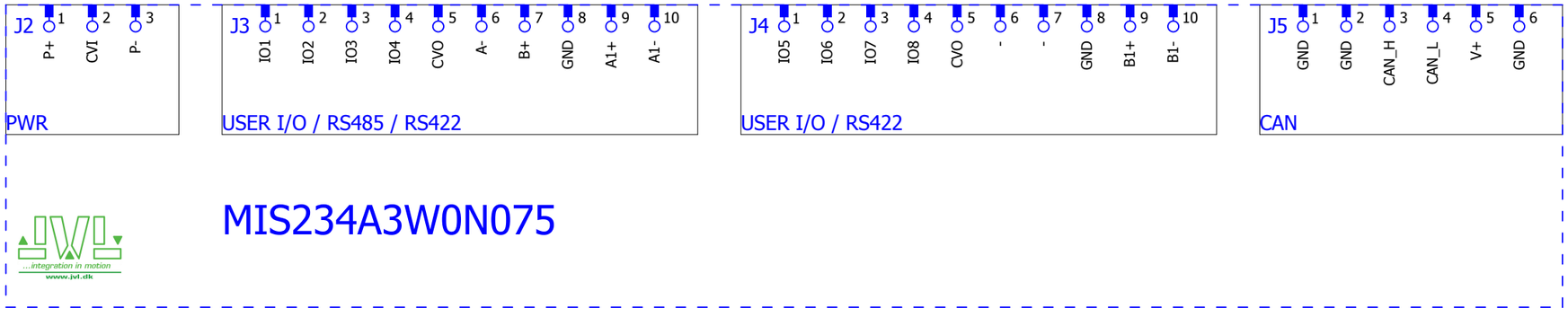
$(MD_MACROS)\..\JVL\Schrittmotoren\MIS232A1W0N075



			Date	28.04.2009	JVL_MACROS_2009		JVL Industri Elektronik A/S	MIS232A1W0N075	= JVL
			Ed.	mk			Blokken 42		+ STEP
			Appr		Macro project servo- and step motors		DK-3460 Birkerod		Page 29
Modification	Date	Name	Original		Replacement of	Replaced by			Page 80

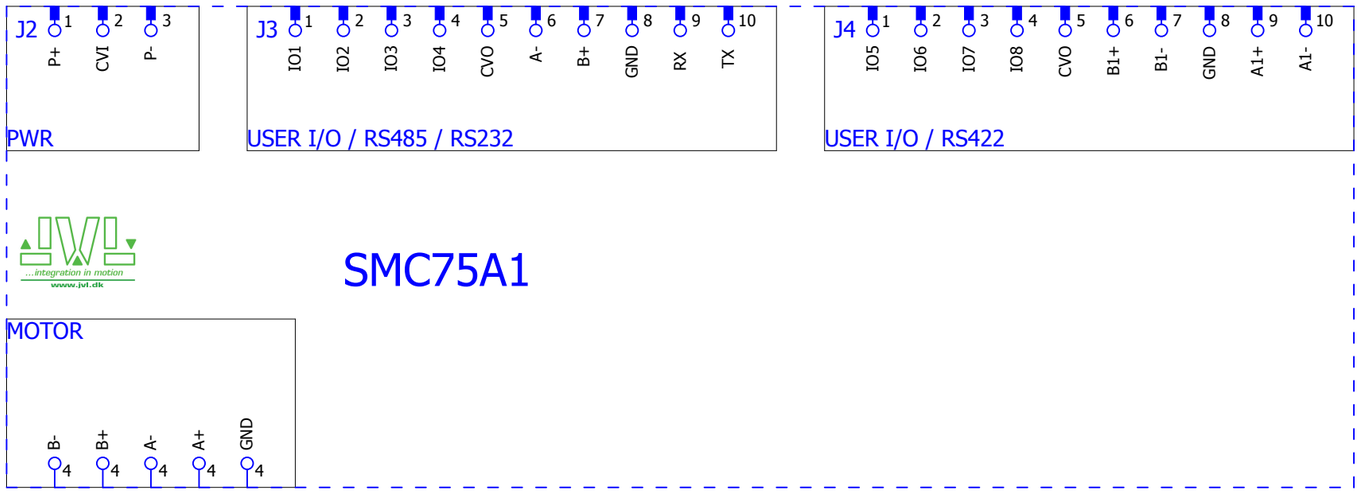
0	1	2	3	4	5	6	7	8	9

$(MD_MACROS)\..\JVL\Schrittmotoren\MIS234A3W0N075



			Date	28.04.2009	JVL_MACROS_2009		JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	MIS234A3W0N075	= JVL
			Ed.	mk					+ STEP
			Appr		Macro project servo- and step motors				Page 30
Modification	Date	Name	Original		Replacement of	Replaced by			Page 80

$(MD_MACROS)\..\JVL\Schrittmotoren\SMC75A1



			Date	28.04.2009	JVL_MACROS_2009		JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	SMC75A1	= JVL
			Ed.	mk					+ STEP
			Appr		Macro project servo- and step motors				Page 31
Modification	Date	Name	Original		Replacement of	Replaced by			Page 80

$(MD_MACROS)\..\JVL\Schrittmotoren\SMC75A1AC

J2 PWR: 1 P+, 2 CVI, 3 P-

J3 USER I/O / RS485 / RS232: 1 IO1, 2 IO2, 3 IO3, 4 IO4, 5 CVO, 6 A-, 7 B+, 8 GND, 9 RX, 10 TX

J4 USER I/O / RS422: 1 IO5, 2 IO6, 3 IO7, 4 IO8, 5 CVO, 6 B1+, 7 B1-, 8 GND, 9 A1+, 10 A1-

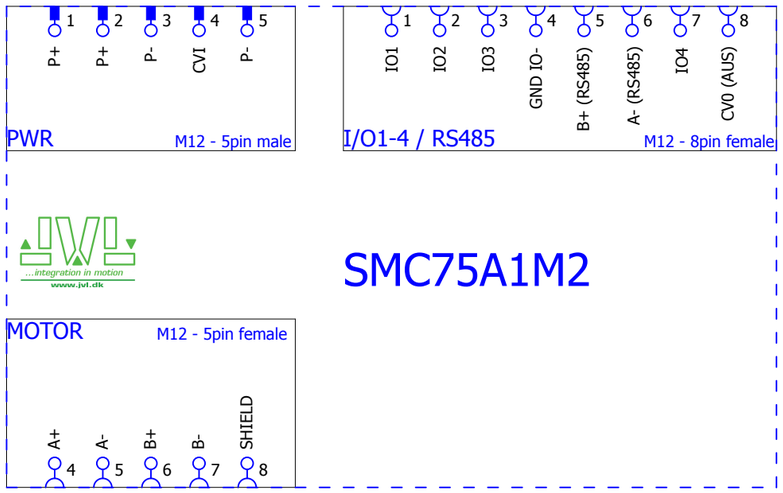
J5 CAN: 1 GND, 2 GND, 3 CAN_H, 4 CAN_L, 5 V+, 5 V+

SMC75A1AC

MOTOR: B- 4, B+ 4, A- 4, A+ 4, GND 4

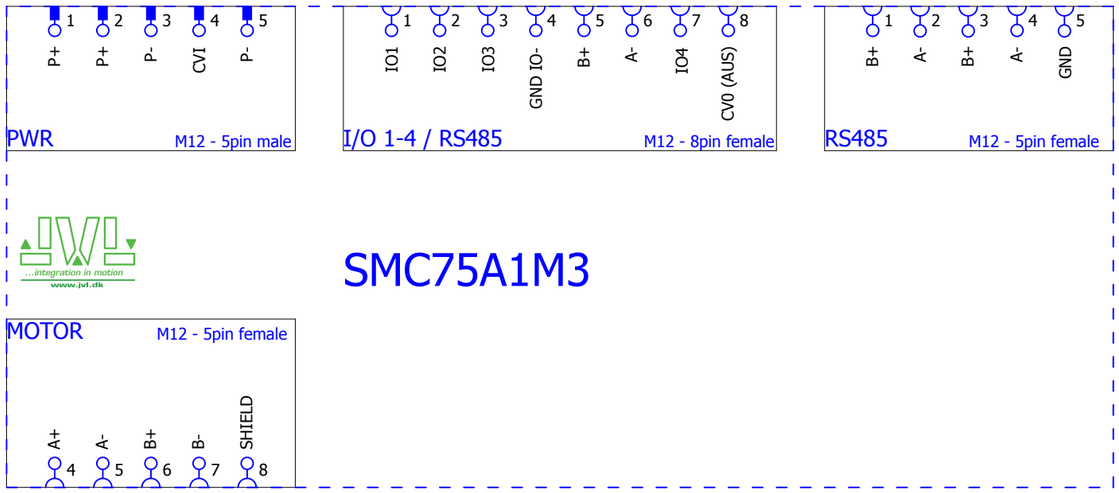
			Date	28.04.2009	JVL_MACROS_2009	JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	SMC75A1AC	= JVL
			Ed.	mk				+ STEP
			Appr		Macro project servo- and step motors			Page 32
Modification	Date	Name	Original		Replacement of / Replaced by			Page 80

$(MD_MACROS)\..\JVL\Schrittmotoren\SMC75A1M2



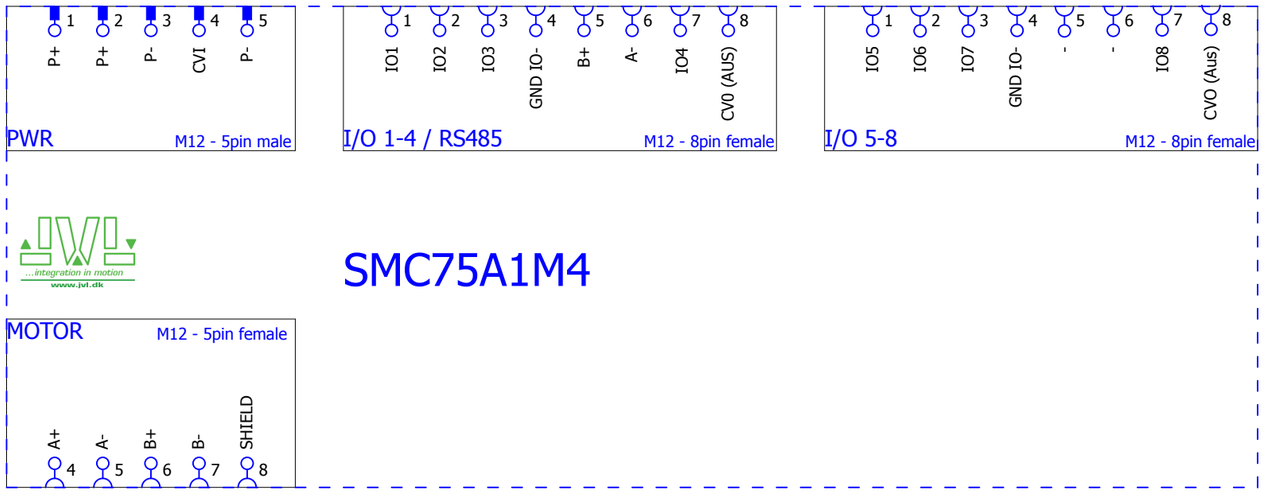
			Date	28.04.2009	JVL_MACROS_2009	JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	SMC75A1M2	= JVL
			Ed.	mk				+ STEP
			Appr		Macro project servo- and step motors			Page 33
Modification	Date	Name	Original		Replacement of	Replaced by		Page 80

$(MD_MACROS)\..\JVL\Schrittmotoren\SMC75A1M3



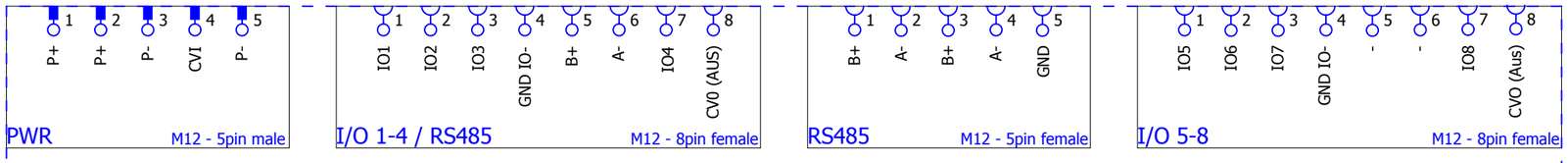
			Date	28.04.2009	JVL_MACROS_2009	JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	SMC75A1M3	= JVL
			Ed.	mk				+ STEP
			Appr		Macro project servo- and step motors			Page 34
Modification	Date	Name	Original		Replacement of	Replaced by		Page 80

$(MD_MACROS)\..\JVL\Schrittmotoren\SMC75A1M4

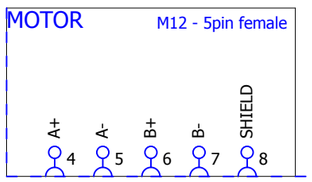


			Date	28.04.2009	JVL_MACROS_2009		JVL Industri Elektronik A/S	SMC75A1M4	= JVL
			Ed.	mk			Blokken 42		+ STEP
			Appr		Macro project servo- and step motors		DK-3460 Birkerod		Page 35
Modification	Date	Name	Original		Replacement of	Replaced by			Page 80

$(MD_MACROS)\..\JVL\Schrittmotoren\SMC75A1M5

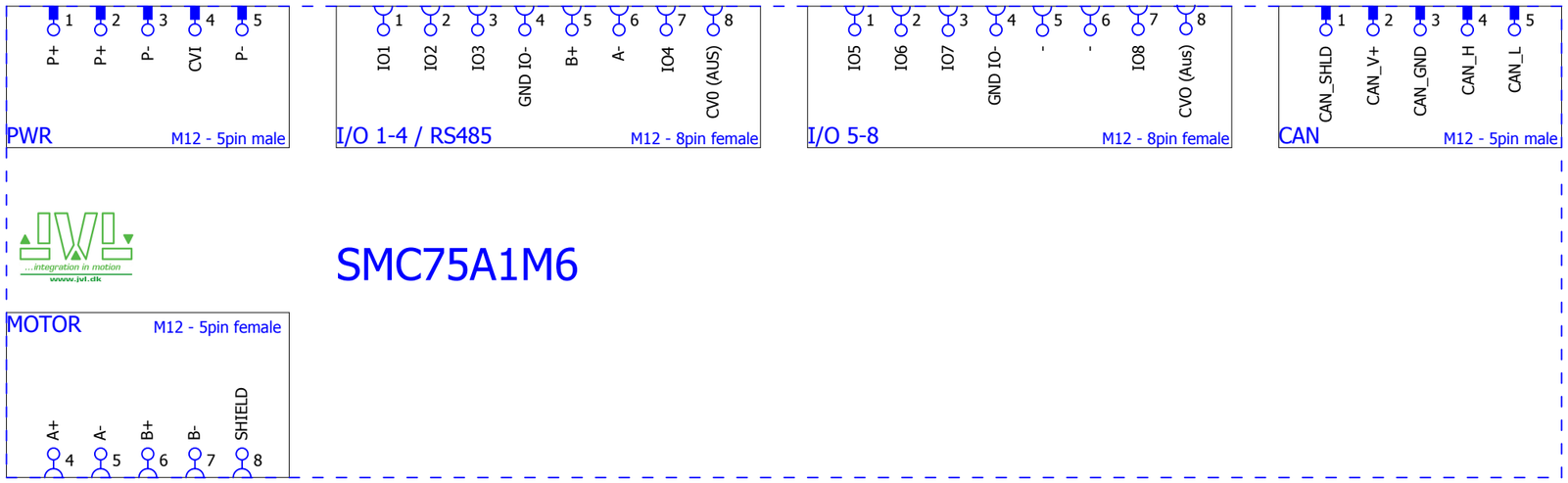


SMC75A1M5



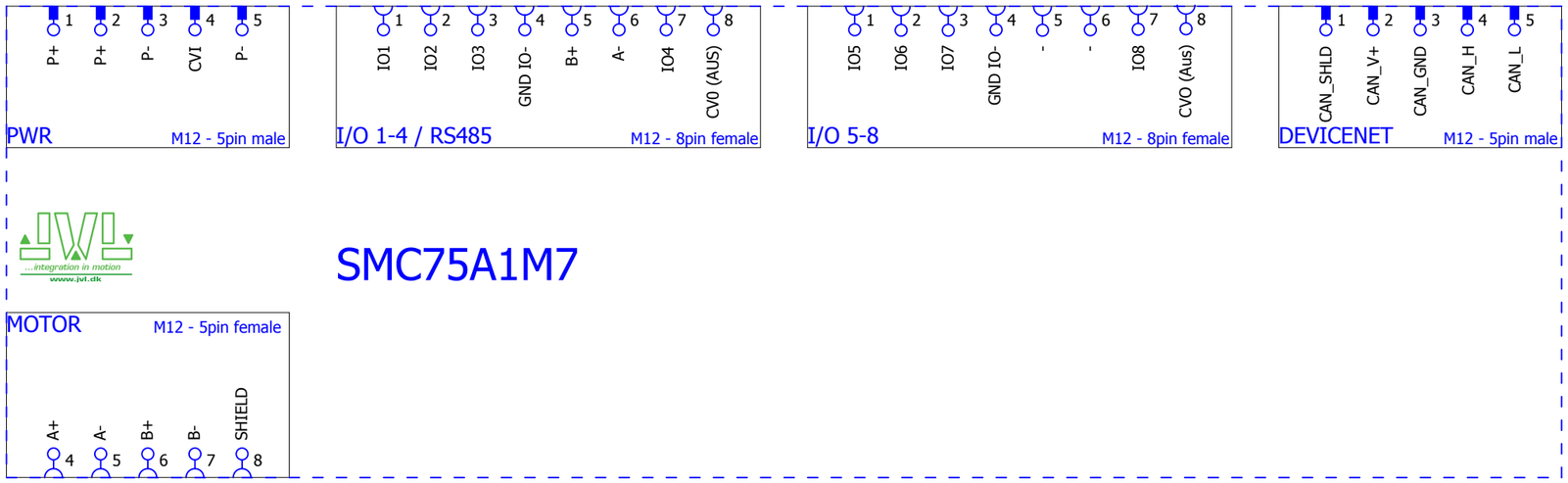
			Date	28.04.2009	JVL_MACROS_2009		JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	SMC75A1M5	= JVL
			Ed.	mk					+ STEP
			Appr		Macro project servo- and step motors				Page 36
Modification	Date	Name	Original		Replacement of	Replaced by			Page 80

$(MD_MACROS)\..\JVL\Schrittmotoren\SMC75A1M6



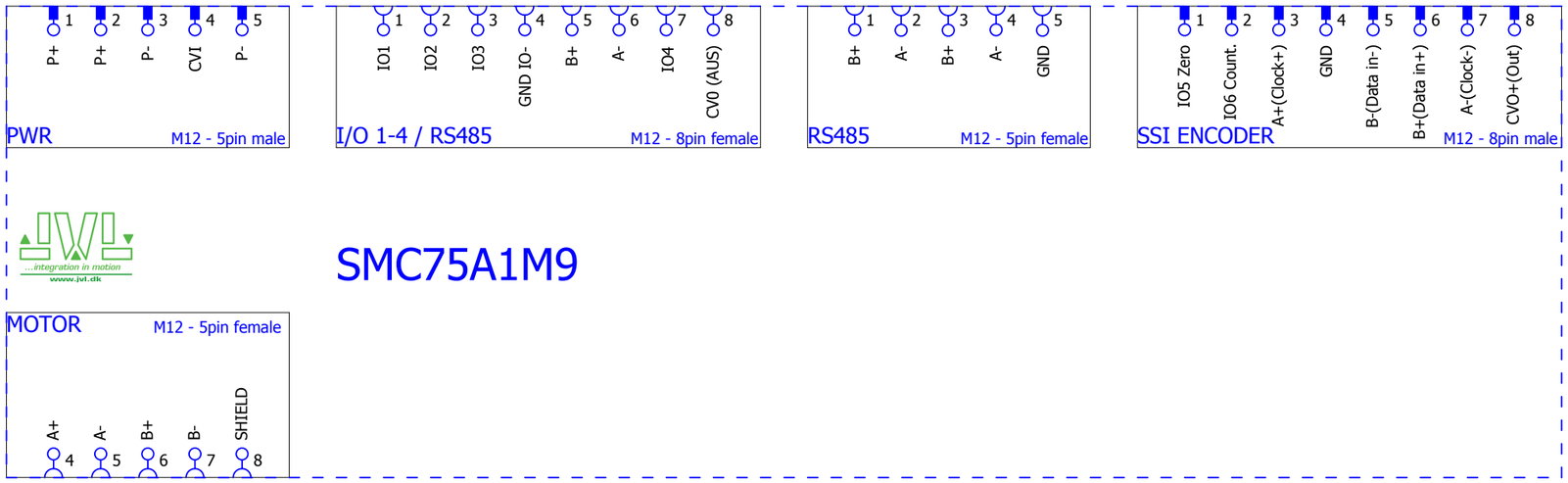
			Date	28.04.2009	JVL_MACROS_2009	JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	SMC75A1M6		= JVL
			Ed.	mk					+ STEP
			Appr		Macro project servo- and step motors				Page 37
Modification	Date	Name	Original		Replacement of / Replaced by				Page 80

$(MD_MACROS)\..\JVL\Schrittmotoren\SMC75A1M7



			Date	28.04.2009	JVL_MACROS_2009	JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	SMC75A1M7	= JVL
			Ed.	mk				+ STEP
			Appr		Macro project servo- and step motors			Page 38
Modification	Date	Name	Original		Replacement of / Replaced by			Page 80

$(MD_MACROS)\..\JVL\Schrittmotoren\SMC75A1M9



			Date	28.04.2009	JVL_MACROS_2009		JVL Industri Elektronik A/S Blokken 42 DK-3460 Birkerod	SMC75A1M9	= JVL
			Ed.	mk					+ STEP
			Appr		Macro project servo- and step motors				Page 39
Modification	Date	Name	Original		Replacement of	Replaced by			Page 80