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PRODUCT MACROS FOR EPLAN 5. xx

Series: SD326

Version: 1.2

Status: 06/2006

Number of pages:

57

Date	01.02.06
User.	CBA
Check.	19.06.06

BERGER LAHR

COVER PAGE

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Changes	Date	Name	Norm
			MACROS SD326

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0002	DOC		2	TABLE OF CONTENTS / MACRO DIRECTORY			CBA
0003	DOC		3	TABLE OF CONTENTS / MACRO DIRECTORY			CBA
0004	DOC		4	DESCRIPTION			CBA
0005	DOC		5	DESCRIPTION			CBA
0006	DOC		6	WIRING EXAMPLE			CBA
0007	DOC		7	WIRING EXAMPLE			CBA
0008	SD3	ARTICLE	1	PARTS LIST			CBA
0009	SD3	ARTICLE	2	PARTS LIST			CBA
0010	SD3	ARTICLE	3	PARTS LIST			CBA
0011	SD3	SD326DU25S2	1	Stepper motor drive 115/230VAC; 2, 5A	SD326DU25S2	SD326DU25S2_1	CBA
0012	SD3	SD326DU25S2	2	Stepper motor drive 115/230VAC; 2, 5A	SD326DU25S2	SD326DU25S2_2	CBA
0013	SD3	SD326DU25S2	3	Stepper motor drive 115/230VAC; 2, 5A	SD326DU25S2	SD326DU25S2	CBA
0014	SD3	SD326RU25S2	1	Stepper motor drive 115/230VAC; 2, 5A	SD326RU25S2	SD326RU25S2_1	CBA
0015	SD3	SD326RU25S2	2	Stepper motor drive 115/230VAC; 2, 5A	SD326RU25S2	SD326RU25S2_2	CBA
0016	SD3	SD326RU25S2	3	Stepper motor drive 115/230VAC; 2, 5A	SD326RU25S2	SD326RU25S2	CBA
0017	SD3	SD326DU68S2	1	Stepper motor drive 115/230VAC; 6, 8A	SD326DU68S2	SD326DU68S2_1	CBA
0018	SD3	SD326DU68S2	2	Stepper motor drive 115/230VAC; 6, 8A	SD326DU68S2	SD326DU68S2_2	CBA
0019	SD3	SD326DU68S2	3	Stepper motor drive 115/230VAC; 6, 8A	SD326DU68S2	SD326DU68S2	CBA
0020	SD3	SD326RU68S2	1	Stepper motor drive 115/230VAC; 6, 8A	SD326RU68S2	SD326RU68S2_1	CBA
0021	SD3	SD326RU68S2	2	Stepper motor drive 115/230VAC; 6, 8A	SD326RU68S2	SD326RU68S2_2	CBA
0022	SD3	SD326RU68S2	3	Stepper motor drive 115/230VAC; 6, 8A	SD326RU68S2	SD326RU68S2	CBA
0023	SD3	VW3A	1	Mains filter	VW3A31401	VW3A31401	CBA
0024	SD3	VW3A	2	Mains filter	VW3A31401	VW3A31401	CBA
0025	SD3	VW3S	1	Motor cable 3m	VW3S5101R30	VW3S5101R30	CBA
0026	SD3	VW3S	2	Motor cable 5m	VW3S5101R50	VW3S5101R50	CBA
0027	SD3	VW3S	3	Motor cable 10m	VW3S5101R100	VW3S5101R100	CBA
0028	SD3	VW3S	4	Motor cable 15m	VW3S5101R150	VW3S5101R150	CBA
0029	SD3	VW3S	5	Motor cable 20m	VW3S5101R200	VW3S5101R200	CBA
0030	SD3	VW3S	6	Motor cable 3m	VW3S5102R30	VW3S5102R30	CBA
0031	SD3	VW3S	7	Motor cable 5m	VW3S5102R50	VW3S5102R50	CBA
0032	SD3	VW3S	8	Motor cable 10m	VW3S5102R100	VW3S5102R100	CBA

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SHEET	PLANT	LOCATION	PAGE	DESIGNATION	TYPE/PART NO.	MACRO	EDIT.
0033	SD3	VW3S	9	Motor cable 15m	VW3S5102R150	VW3S5102R150	CBA
0034	SD3	VW3S	10	Motor cable 20m	VW3S5102R200	VW3S5102R200	CBA
0035	SD3	VW3S	11	Encoder cable 3m	VW3S8101R30	VW3S8101R30_1, _2	CBA
0036	SD3	VW3S	12	Encoder cable 5m	VW3S8101R50	VW3S8101R50_1, _2	CBA
0037	SD3	VW3S	13	Encoder cable 10m	VW3S8101R100	VW3S8101R100_1, _2	CBA
0038	SD3	VW3S	14	Encoder cable 15m	VW3S8101R150	VW3S8101R150_1, _2	CBA
0039	SD3	VW3S	15	Encoder cable 20m	VW3S8101R200	VW3S8101R200_1, _2	CBA
0040	SD3	VW3S	16	Signal cable 0,5m Pulse/dir., 5V	VW3S8201R05	VW3S8201R05	CBA
0041	SD3	VW3S	17	Signal cable 1,5m Pulse/dir., 5V	VW3S8201R15	VW3S8201R15	CBA
0042	SD3	VW3S	18	Signal cable 3m Pulse/dir., 5V	VW3S8201R30	VW3S8201R30	CBA
0043	SD3	VW3S	19	Signal cable 5m Pulse/dir., 5V	VW3S8201R50	VW3S8201R50	CBA
0044	SD3	VW3S	20	Signal cable 0,5m Pulse/dir., 24V	VW3S8202R05	VW3S8202R05	CBA
0045	SD3	VW3S	21	Signal cable 1,5m Pulse/dir., 24V	VW3S8202R15	VW3S8202R15	CBA
0046	SD3	VW3S	22	Signal cable 3m Pulse/dir., 24V	VW3S8202R30	VW3S8202R30	CBA
0047	SD3	VW3S	23	Signal cable 5m Pulse/dir., 24V	VW3S8202R50	VW3S8202R50	CBA
0048	SD3	VW3S	24	Signal cable 1,5m Pulse/dir.	VW3S8204R15	VW3S8204R15	CBA
0049	SD3	VW3S	25	Signal cable 3m Pulse/dir.	VW3S8204R30	VW3S8204R30	CBA
0050	SD3	VW3S	26	Signal cable 1,5m Pulse/dir.	VW3S8206R15	VW3S8206R15	CBA
0051	SD3	VW3S	27	Signal cable 3m Pulse/dir.	VW3S8206R30	VW3S8206R30	CBA
0052	SD3	VW3S	28	Signal cable 0,5m Pulse/dir.	VW3S8208R05	VW3S8208R05	CBA
0053	SD3	VW3S	29	Signal cable 1,5m Pulse/dir.	VW3S8208R15	VW3S8208R15	CBA
0054	SD3	VW3S	30	Signal cable 3m Pulse/dir.	VW3S8208R30	VW3S8208R30	CBA
0055	SD3	VW3S	31	Signal cable 5m Pulse/dir.	VW3S8208R50	VW3S8208R50	CBA
0056	SD3	VW3S	32	Fan Set	VW3S3101	VW3S3101	CBA
0057	SD3	VW3S	33	Fan Set	VW3S3101	VW3S3101	CBA

LEGAL INFORMATION AND LIABILITY EXCLUSIONS

All details developed for this project are protected by copyright and are the intellectual property of the company.

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All information is provided with the best of intentions and to the best of our knowledge and belief.

We accept no liability for correctness or completeness of information.

We provide no guarantee for the use of product macros in the Eplan CAE System.

GENERAL INFORMATION

This product was created for EPLAN from version 5.60. The functions contained in the macros are not available or only restrictedly available for EPLAN versions previous to 5.60!

INFORMATION TO CHANGE THE LANGUAGE

- 1. Parameter->Project->Foreign languages->expenditure sequence: D = german or E = english
- 2. Parameter->Project->clamps/cable->clamps/cable 2->name that cable type file SD328_DE = german / SD328_EN = english
- 3. Main menue->article->administration->Parameter->Currency Language identification->Article language identification: D = german / E = english

PRODUCT STRUCTURE

This project is a macro project and contains EPLAN product macros belonging to Berger Lahr GmbH & Co.KG.

All EPLAN directories have been set to ...\\EPLAN4\\x\\BERGER_LAHR\\.

DATA/FILES

Project:
...\\EPLAN4\\P\\BERGER_LAHR\\SD326.P - Macro project + associated data

Standard files:
...\\EPLAN4\\N\\BERGER_LAHR\\
...\\EPLAN4\\N\\BERGER_LAHR\\SD326_EN.KLB - Cable type file

Macros:
...\\EPLAN4\\M\\BERGER_LAHR\\SD326\\ - Macros series SD326

Article:
...\\EPLAN4\\L\\BERGER_LAHR\\SD326\\
...\\EPLAN4\\L\\BERGER_LAHR\\SD326\\ARTICLE_EN.XLS - MS-EXCEL article data
...\\EPLAN4\\L\\BERGER_LAHR\\SD326\\ARTICLE_EN.ASC - Eplan article import file english

INSTALLATION

All data (project, macros, article data, standardised data) can be read in using the EPLAN data backup / restore functions.

Article data can be imported to individual master article data: EPLAN article management / data exchange / import / EPLAN-ASCII format

			Date	01.02.06	BERGER LAHR	DESCRIPTION			= DOC +
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MACROS

Macro construction

The product macros have been created so that they are

- usable for all Eplan project types in addition to almost all Eplan parameter settings
- so that they are easily visually recognisable by the user, whereby the main focus is on the technical construction.

Macro functionalities

The product macros have been logically tested,

- they can be embedded in existing projects without causing logical errors (EPLAN-evaluation sequences).
- they are logically interlinked with one another and can be easily connected using the EPLAN "autoconnecting" function.
- they are cross-referenced with one another since some componentry is shown distributed over several pages.

ARTICLE MASTER DATA

Master article data has been created for all devices and componentry.

They are applicable to the in-system EPLAN article management and can be integrated into existing master article data.

This enables acceptance of the data in article management systems outside EPLAN (PPS).
In addition, article data types can be adapted very easily to the existing data.

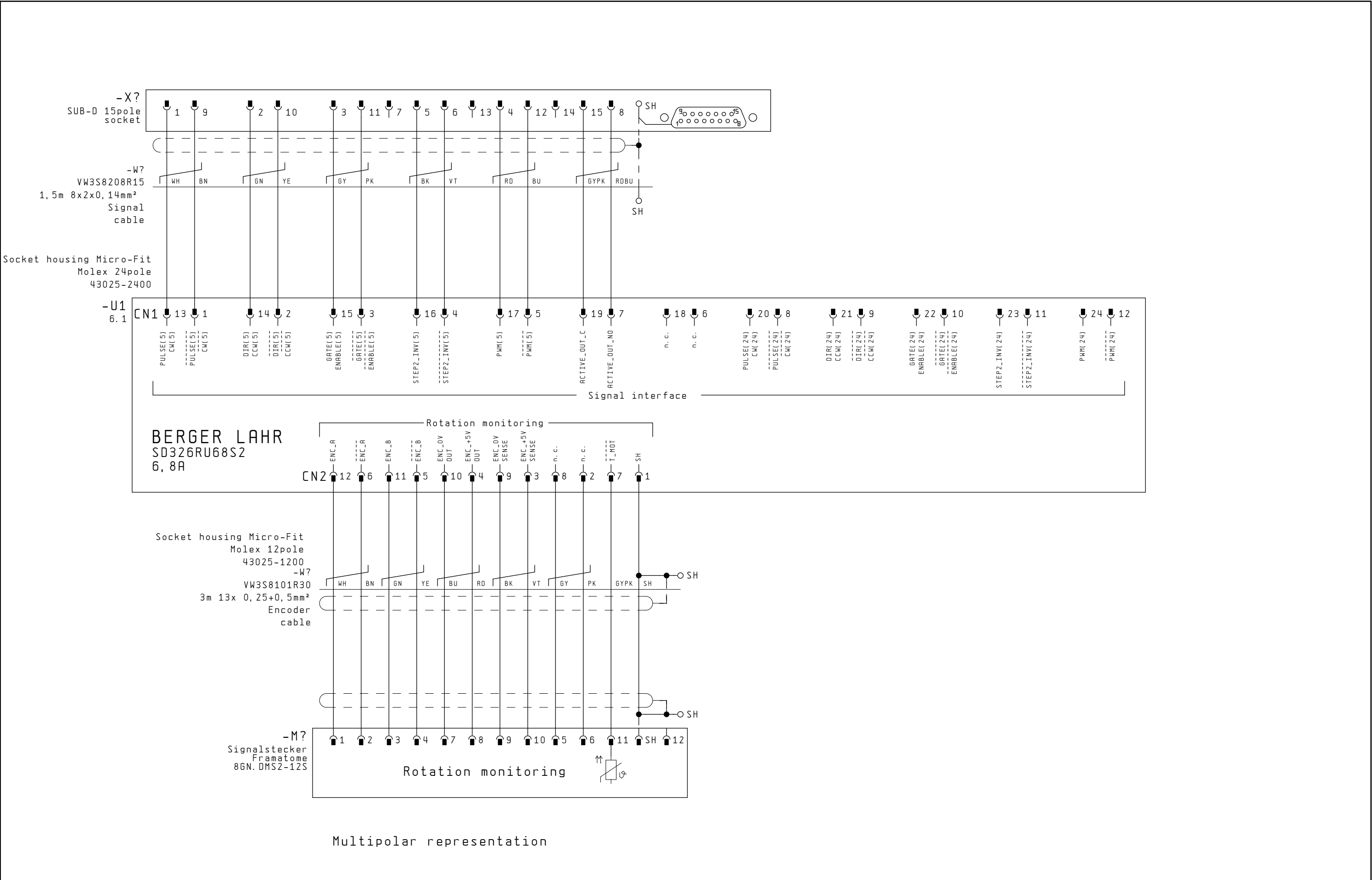
Since the dimensions of devices and componentry are stored in the master article data, the EPLAN "mounting plate fittings" module can be used for macros.

The article number is located next to every device or component.

Control cabinet macros

The switchgear cabinet macros can be generated by the measures deposited in the item stock automatically.

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Changes	Date	Name	Norm		MACROS SD326			Sheet 0005	Page 5 of 7



PARTS LIST

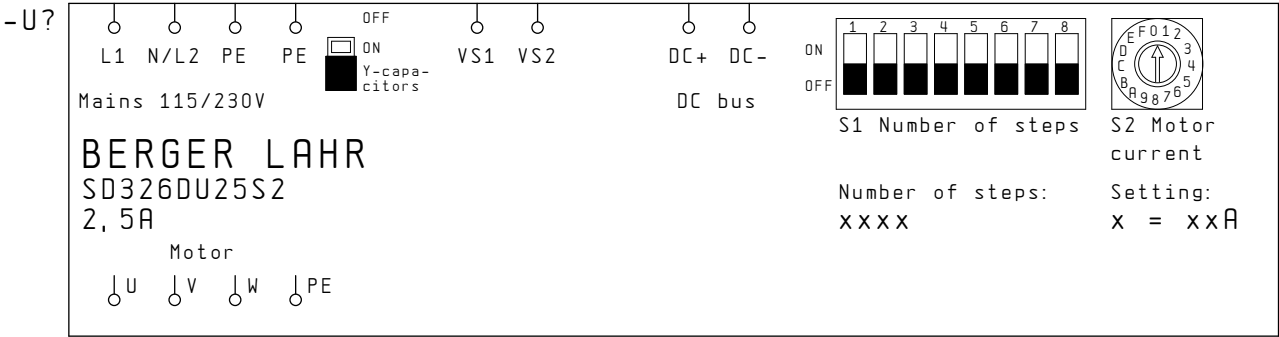
ITEM DESIGNATION	QUANTITY	DESCRIPTION	MANUFACTORER/ SUPPLIER	ORDER- NUMBER	PAGE/PATH
=SD3+SD326DU25S2-U?	1	Schrittmotorverstärker 115/230V Max. Motorphasenstrom 2,5A, max. 3000 1/min Puls-Richtung ohne Drehüberw.	BERGER LAHR	SD326DU25S2	=SD3+SD326DU25S2/1. 1
=SD3+SD326RU25S2-U?	1	Schrittmotorverstärker 115/230V Max. Motorphasenstrom 2,5A, max. 3000 1/min Puls-Richtung mit Drehüberw. u. Haltebremse	BERGER LAHR	SD326RU25S2	=SD3+SD326RU25S2/1. 1
=SD3+SD326DU68S2-U?	1	Schrittmotorverstärker 115/230V Max. Motorphasenstrom 6,8A, max. 3000 1/min Puls-Richtung ohne Drehüberw.	BERGER LAHR	SD326DU68S2	=SD3+SD326DU68S2/1. 1
=SD3+SD326RU68S2-U?	1	Schrittmotorverstärker 115/230V Max. Motorphasenstrom 6,8A, max. 3000 1/min Puls-Richtung mit Drehüberw. u. Haltebremse	BERGER LAHR	SD326RU68S2	=SD3+SD326RU68S2/1. 1
=SD3+VW3A-L?	1	Netzfilter 1~; 9A; 115/230VAC	BERGER LAHR	VW3A31401	=SD3+VW3A/1. 1
=SD3+VW3S-W?	1	Drehgeberkabel konf. für Schrittmotor, 3m geschirmt, 12pol. Encoderstecker, 12pol. Stecker Molex -> 12pol. Rundstecker	BERGER LAHR	VW3S8101R30	=SD3+VW3S/11. 5
=SD3+VW3S-W?	1	Drehgeberkabel konf. für Schrittmotor, 5m geschirmt, 12pol. Encoderstecker, 12pol. Stecker Molex -> 12pol. Rundstecker	BERGER LAHR	VW3S8101R50	=SD3+VW3S/12. 5
=SD3+VW3S-W?	1	Drehgeberkabel konf. für Schrittmotor, 10m geschirmt, 12pol. Encoderstecker, 12pol. Stecker Molex -> 12pol. Rundstecker	BERGER LAHR	VW3S8101R100	=SD3+VW3S/13. 5
=SD3+VW3S-W?	1	Drehgeberkabel konf. für Schrittmotor, 15m geschirmt, 12pol. Encoderstecker, 12pol. Stecker Molex -> 12pol. Rundstecker	BERGER LAHR	VW3S8101R150	=SD3+VW3S/14. 5
=SD3+VW3S-W?	1	Drehgeberkabel konf. für Schrittmotor, 20m geschirmt, 12pol. Encoderstecker, 12pol. Stecker Molex -> 12pol. Rundstecker	BERGER LAHR	VW3S8101R200	=SD3+VW3S/15. 5
=SD3+VW3S-	1	Lüfterset 24VDC	BERGER LAHR	VW3S3101	=SD3+VW3S/32. 4
=SD3+VW3S-W1	1	Motorkabel konf. für Schrittmotor, 3m 4x1,5 geschirmt offen -> 6pol. Rundstecker	BERGER LAHR	VW3S5101R30	=SD3+VW3S/1. 1
=SD3+VW3S-W2	1	Motorkabel konf. für Schrittmotor, 5m 4x1,5 geschirmt offen -> 6pol. Rundstecker	BERGER LAHR	VW3S5101R50	=SD3+VW3S/2. 1
=SD3+VW3S-W3	1	Motorkabel konf. für Schrittmotor, 10m 4x1,5 geschirmt offen -> 6pol. Rundstecker	BERGER LAHR	VW3S5101R100	=SD3+VW3S/3. 1
=SD3+VW3S-W4	1	Motorkabel konf. für Schrittmotor, 15m 4x1,5 geschirmt offen -> 6pol. Rundstecker	BERGER LAHR	VW3S5101R150	=SD3+VW3S/4. 1
=SD3+VW3S-W5	1	Motorkabel konf. für Schrittmotor, 20m 4x1,5 geschirmt offen -> 6pol. Rundstecker	BERGER LAHR	VW3S5101R200	=SD3+VW3S/5. 1
=SD3+VW3S-W6	1	Motorkabel konf. für Schrittmotor, 3m 4x1,5 geschirmt Enden offen	BERGER LAHR	VW3S5102R30	=SD3+VW3S/6. 1
=SD3+VW3S-W7	1	Motorkabel konf. für Schrittmotor, 5m 4x1,5 geschirmt Enden offen	BERGER LAHR	VW3S5102R50	=SD3+VW3S/7. 1

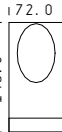
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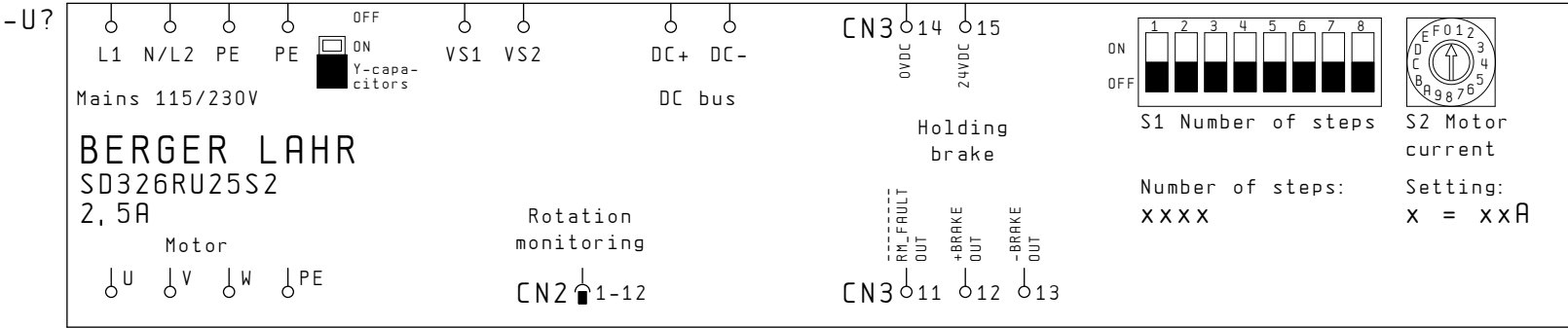
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=SD3+VW3S-W8	1	Motorkabel konf. für Schrittmotor, 10m 4x1,5 geschirmt Enden offen	BERGER LAHR	VW3S5102R100	=SD3+VW3S/8. 1
=SD3+VW3S-W9	1	Motorkabel konf. für Schrittmotor, 15m 4x1,5 geschirmt Enden offen	BERGER LAHR	VW3S5102R150	=SD3+VW3S/9. 1
=SD3+VW3S-W10	1	Motorkabel konf. für Schrittmotor, 20m 4x1,5 geschirmt Enden offen	BERGER LAHR	VW3S5102R200	=SD3+VW3S/10. 1
=SD3+VW3S-W11	1	Drehgeberkabel konf. für Schrittmotor, 3m geschirmt, 12pol. Encoderstecker, 12pol. Stecker Molex -> 12pol. Rundstecker	BERGER LAHR	VW3S8101R30	=SD3+VW3S/11. 2
=SD3+VW3S-W12	1	Drehgeberkabel konf. für Schrittmotor, 5m geschirmt, 12pol. Encoderstecker, 12pol. Stecker Molex -> 12pol. Rundstecker	BERGER LAHR	VW3S8101R50	=SD3+VW3S/12. 2
=SD3+VW3S-W13	1	Drehgeberkabel konf. für Schrittmotor, 10m geschirmt, 12pol. Encoderstecker, 12pol. Stecker Molex -> 12pol. Rundstecker	BERGER LAHR	VW3S8101R100	=SD3+VW3S/13. 2
=SD3+VW3S-W14	1	Drehgeberkabel konf. für Schrittmotor, 15m geschirmt, 12pol. Encoderstecker, 12pol. Stecker Molex -> 12pol. Rundstecker	BERGER LAHR	VW3S8101R150	=SD3+VW3S/14. 2
=SD3+VW3S-W15	1	Drehgeberkabel konf. für Schrittmotor, 20m geschirmt, 12pol. Encoderstecker, 12pol. Stecker Molex -> 12pol. Rundstecker	BERGER LAHR	VW3S8101R200	=SD3+VW3S/15. 2
=SD3+VW3S-W16	1	Signalkabel Puls/Richt., 5V, 0,5m 8x2x0,14mm² geschirmt 24pol. Stecker MOLEX -> offen	BERGER LAHR	VW3S8201R05	=SD3+VW3S/16. 1
=SD3+VW3S-W17	1	Signalkabel Puls/Richt., 5V, 1,5m 8x2x0,14mm² geschirmt 24pol. Stecker MOLEX -> offen	BERGER LAHR	VW3S8201R15	=SD3+VW3S/17. 1
=SD3+VW3S-W18	1	Signalkabel Puls/Richt., 5V, 3m 8x2x0,14mm² geschirmt 24pol. Stecker MOLEX -> offen	BERGER LAHR	VW3S8201R30	=SD3+VW3S/18. 1
=SD3+VW3S-W19	1	Signalkabel Puls/Richt., 5V, 5m 8x2x0,14mm² geschirmt 24pol. Stecker MOLEX -> offen	BERGER LAHR	VW3S8201R50	=SD3+VW3S/19. 1
=SD3+VW3S-W20	1	Signalkabel Puls/Richt., 24V, 0,5m 8x2x0,14mm² geschirmt 24pol. Stecker MOLEX -> offen	BERGER LAHR	VW3S8202R05	=SD3+VW3S/20. 3
=SD3+VW3S-W21	1	Signalkabel Puls/Richt., 24V, 1,5m 8x2x0,14mm² geschirmt 24pol. Stecker MOLEX -> offen	BERGER LAHR	VW3S8202R15	=SD3+VW3S/21. 3
=SD3+VW3S-W22	1	Signalkabel Puls/Richt., 24V, 3m 8x2x0,14mm² geschirmt 24pol. Stecker MOLEX -> offen	BERGER LAHR	VW3S8202R30	=SD3+VW3S/22. 3
=SD3+VW3S-W23	1	Signalkabel Puls/Richt., 24V, 5m 8x2x0,14mm² geschirmt 24pol. Stecker MOLEX -> offen	BERGER LAHR	VW3S8202R50	=SD3+VW3S/23. 3
=SD3+VW3S-W24	1	Signalkabel Puls/Richt. auf =S= CFY, 1,5m 4x2x0,14mm² geschirmt 24pol. Stecker MOLEX -> 15pol. SUB-D-Stecker	BERGER LAHR	VW3S8204R15	=SD3+VW3S/24. 1
=SD3+VW3S-W25	1	Signalkabel Puls/Richt. auf =S= CFY, 3m 4x2x0,14mm² geschirmt 24pol. Stecker MOLEX -> 15pol. SUB-D-Stecker	BERGER LAHR	VW3S8204R30	=SD3+VW3S/25. 1

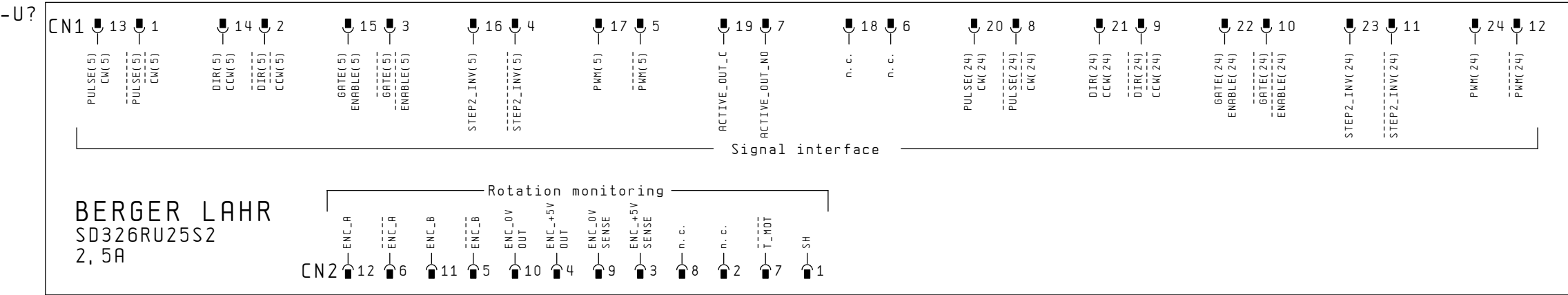
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=SD3+VW3S-W27	1	Signalkabel Puls/Richt. auf S7-FM353, 3m 8x2x0,14mm² geschirmt 24pol. Stecker MOLEX -> 15pol. SUB-D-Buchse	BERGER LAHR	VW3S8206R30	=SD3+VW3S/27. 1
=SD3+VW3S-W28	1	Signalkab. Puls/Richt. auf TLM2, WP/WPM, 0,5m 8x2x0,14mm² geschirmt 24pol. Stecker MOLEX -> 15pol. SUB-D-Buchse	BERGER LAHR	VW3S8208R05	=SD3+VW3S/28. 1
=SD3+VW3S-W29	1	Signalkab. Puls/Richt. auf TLM2, WP/WPM, 1,5m 8x2x0,14mm² geschirmt 24pol. Stecker MOLEX -> 15pol. SUB-D-Buchse	BERGER LAHR	VW3S8208R15	=SD3+VW3S/29. 1
=SD3+VW3S-W30	1	Signalkab. Puls/Richt. auf TLM2, WP/WPM, 3m 8x2x0,14mm² geschirmt 24pol. Stecker MOLEX -> 15pol. SUB-D-Buchse	BERGER LAHR	VW3S8208R30	=SD3+VW3S/30. 1
=SD3+VW3S-W31	1	Signalkab. Puls/Richt. auf TLM2, WP/WPM, 5m 8x2x0,14mm² geschirmt 24pol. Stecker MOLEX -> 15pol. SUB-D-Buchse	BERGER LAHR	VW3S8208R50	=SD3+VW3S/31. 1



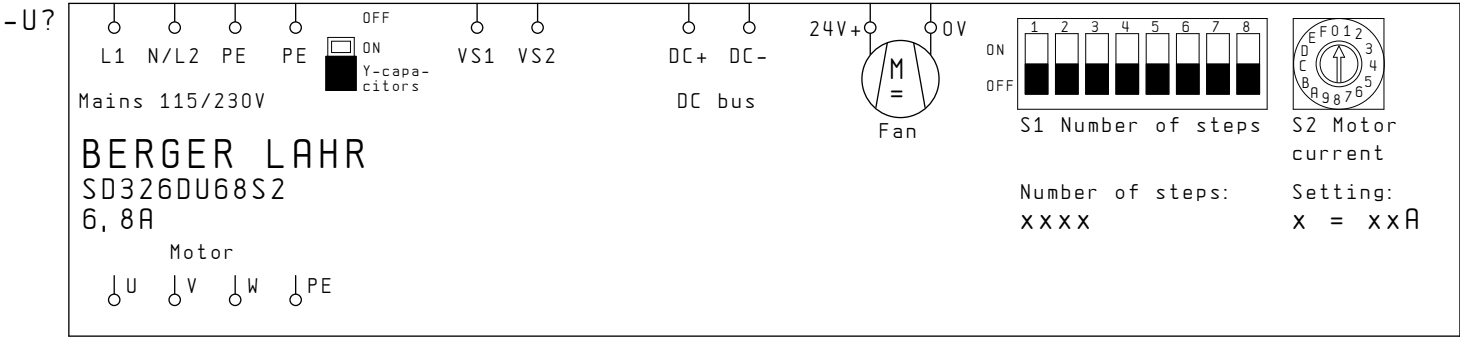
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			Date	01.02.06	BERGER LAHR	Stepper motor drive 115/230VAC; 2,5A		Type/Part No: SD326DU25S2 Macro: SD326DU25S2		=SD3 +SD326DU25S2
			User.	CBA						
			Check.	19.06.06						
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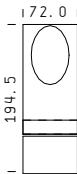


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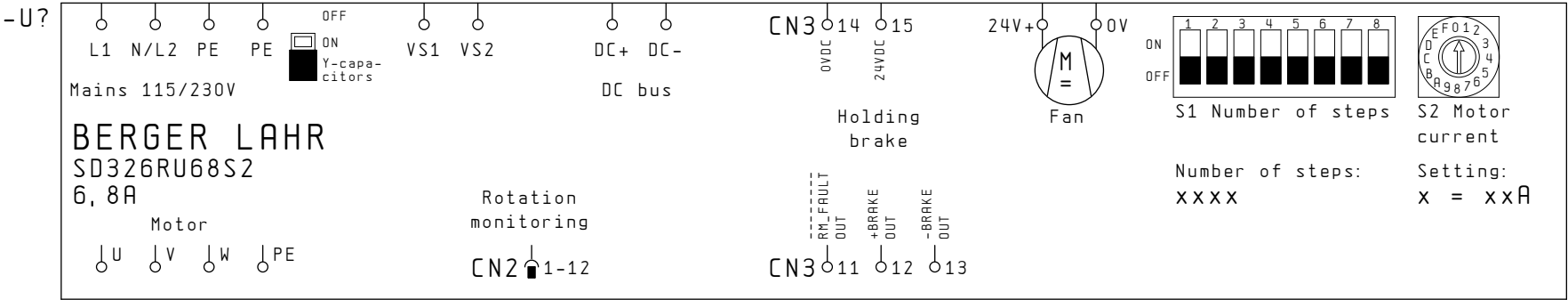
			Date	01.02.06	BERGER LAHR	Stepper motor drive 115/230VAC; 2,5A	Type/Part No: SD326RU25S2 Macro: SD326RU25S2		=SD3 +SD326RU25S2	
			User.	CBA						
			Check.	19.06.06						
Changes	Date	Name	Norm		MACROS SD326				Sheet 0016	Page 3 of 3

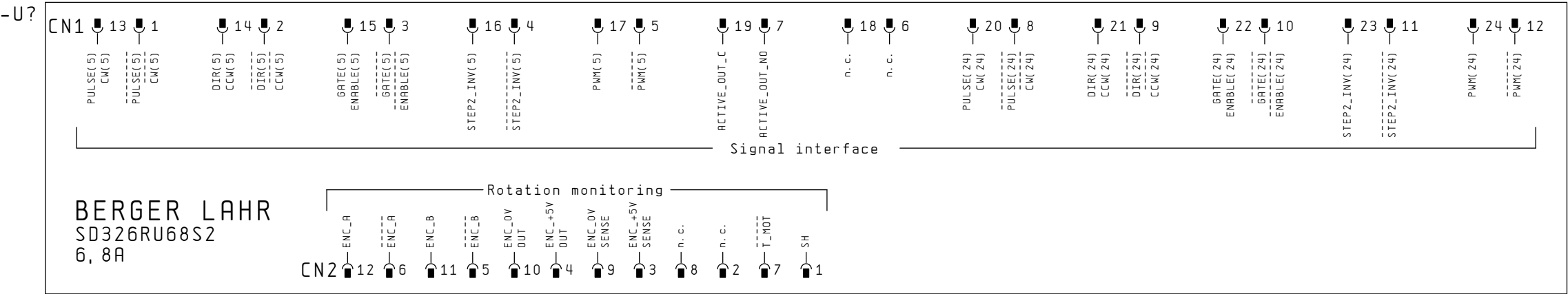


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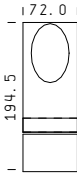


			Date	01.02.06	BERGER LAHR	Stepper motor drive 115/230VAC; 6,8A	Type/Part No: SD326DU68S2 Macro: SD326DU68S2	=SD3	
			User.	CBA				+SD326DU68S2	
			Check.	19.06.06					
Changes	Date	Name	Norm		MACROS SD326			Sheet 0019	Page 3 of 3

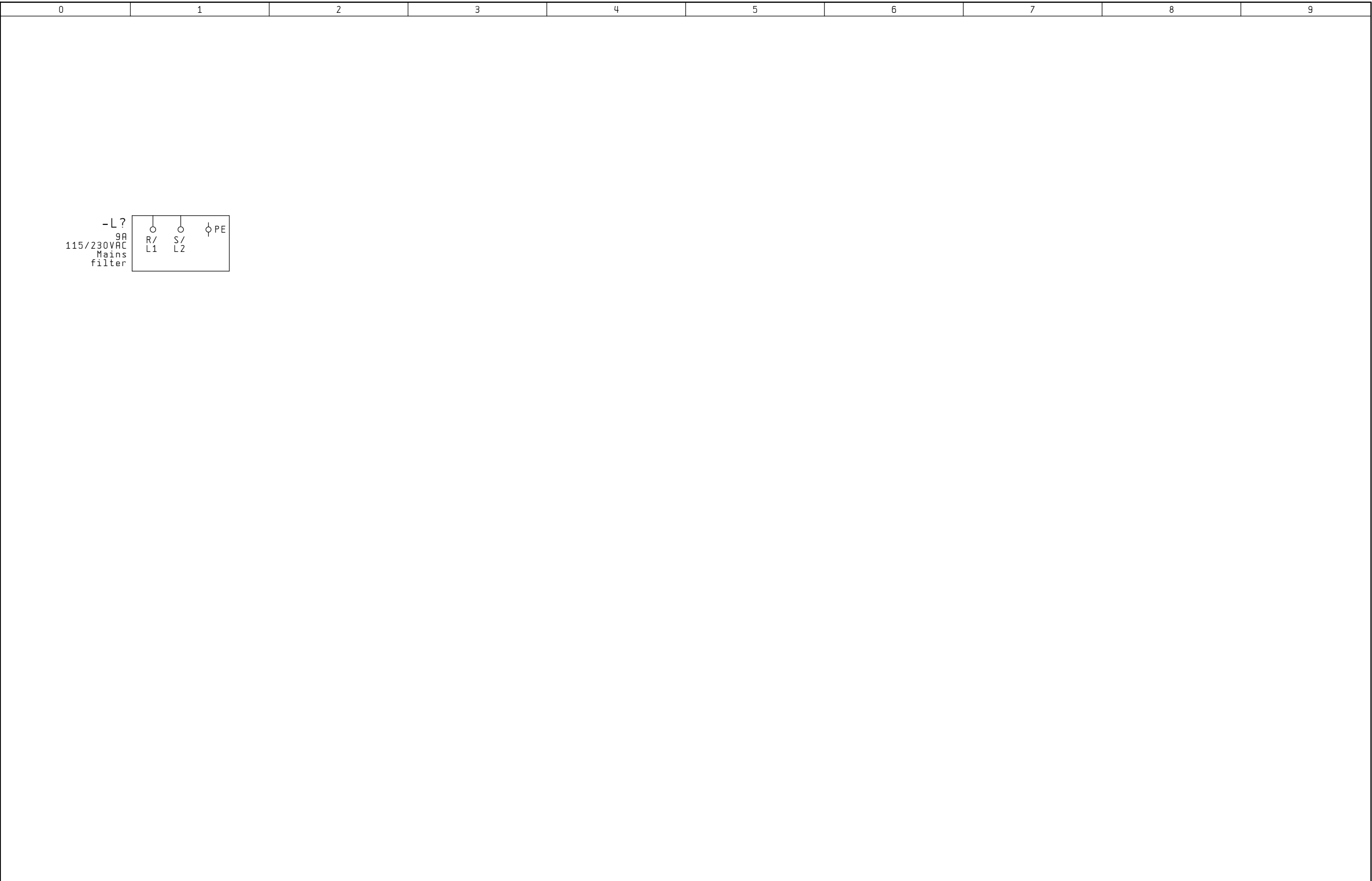




0	1	2	3	4	5	6	7	8	9



			Date	01.02.06	BERGER LAHR	Stepper motor drive 115/230VAC; 6,8A	Type/Part No: SD326RU68S2 Macro: SD326RU68S2	=SD3	
			User.	CBA				+SD326RU68S2	
			Check.	19.06.06					
Changes	Date	Name	Norm		MACROS SD326			Sheet 0022	Page 3 of 3

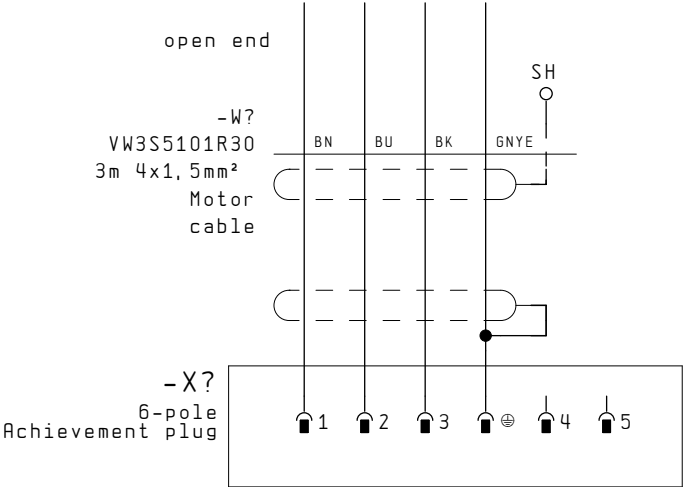


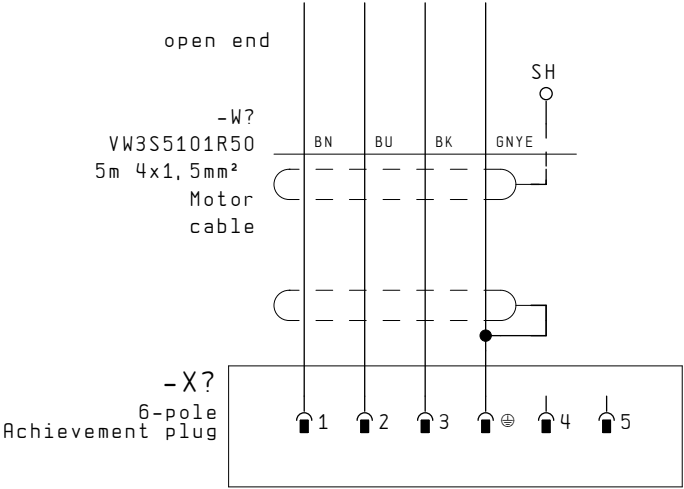
			Date	01.02.06	<div>BERGER LAHR</div>	Mains filter	Type/Part No: VW3A31401 Macro: VW3A31401		=SD3 +VW3A	
			User.	CBA						
			Check.	19.06.06						
Changes	Date	Name	Norm		MACROS SD326				Sheet 0023	Page 1 of 2

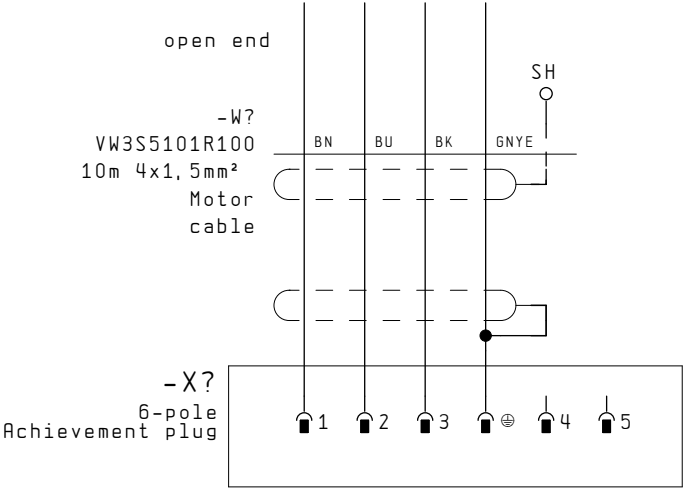
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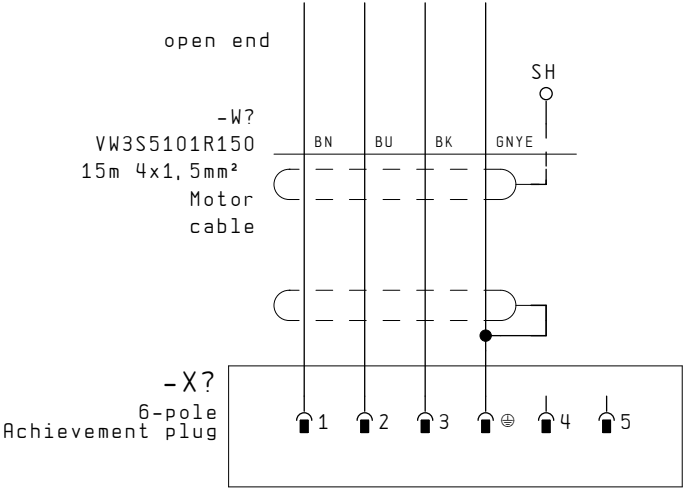


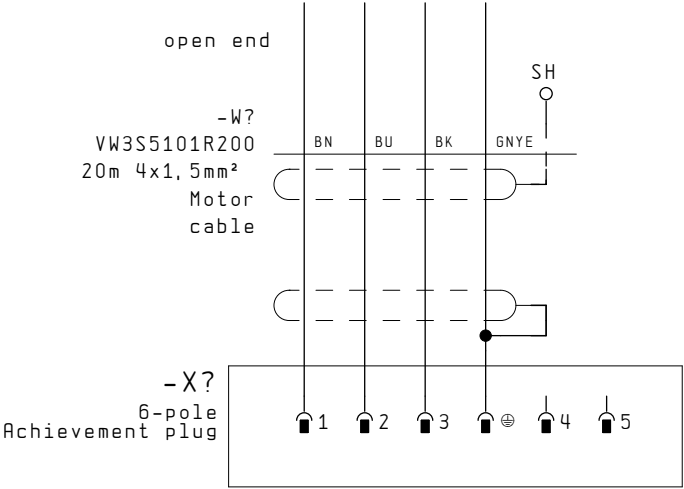
			Date	01.02.06	BERGER LAHR	Mains filter	Type/Part No: VW3A31401 Macro: VW3A31401		=SD3 +VW3A
			User.	CBA					
			Check.	19.06.06					
Changes	Date	Name	Norm		MACROS SD326			Sheet 0024	Page 2 of 2

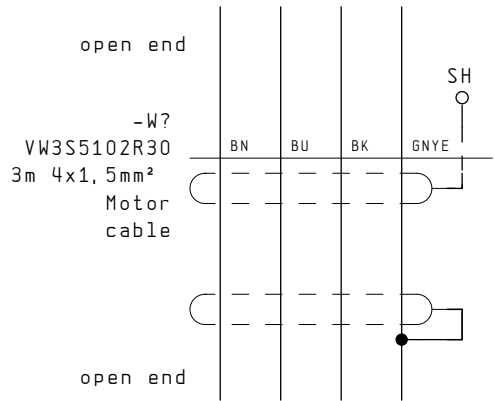


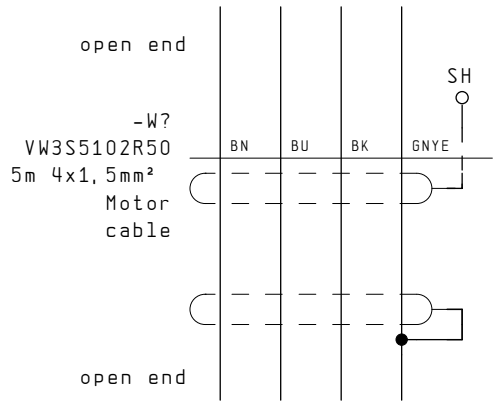


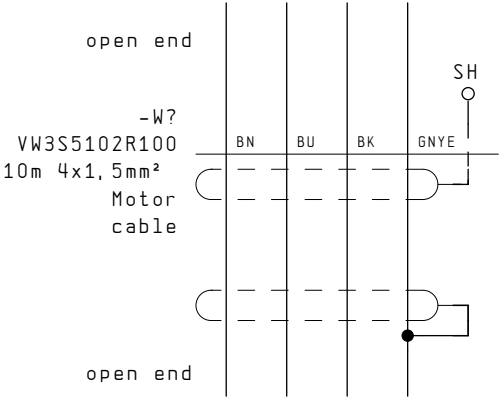


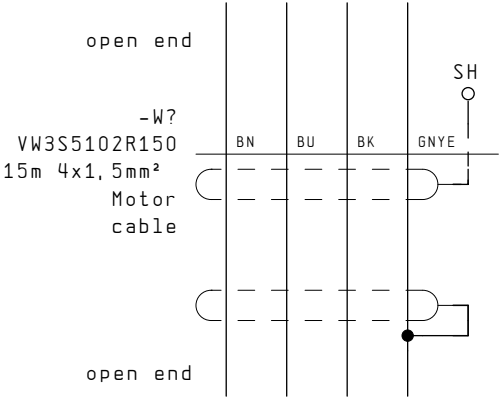


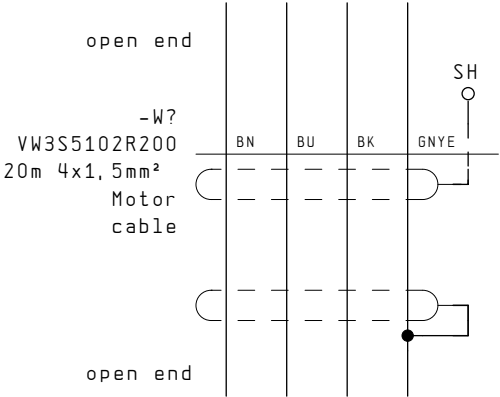


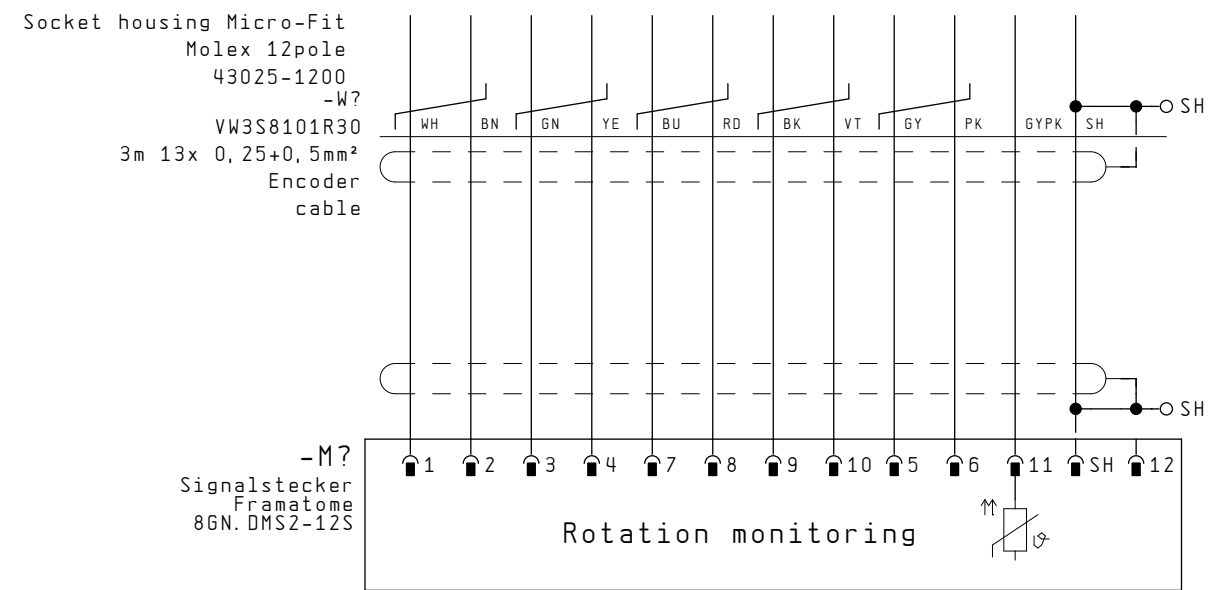




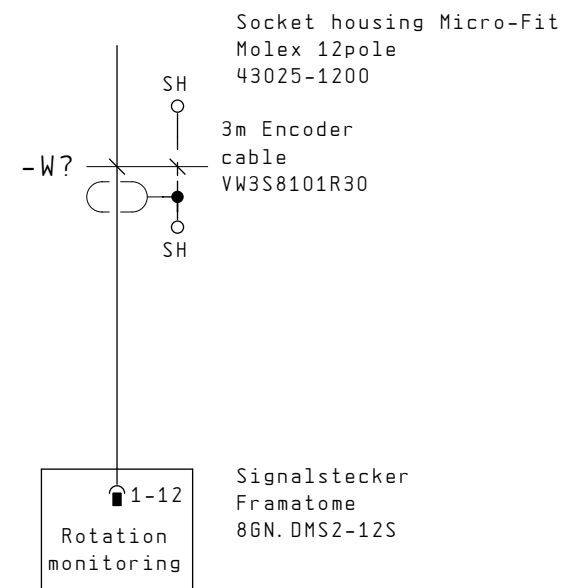




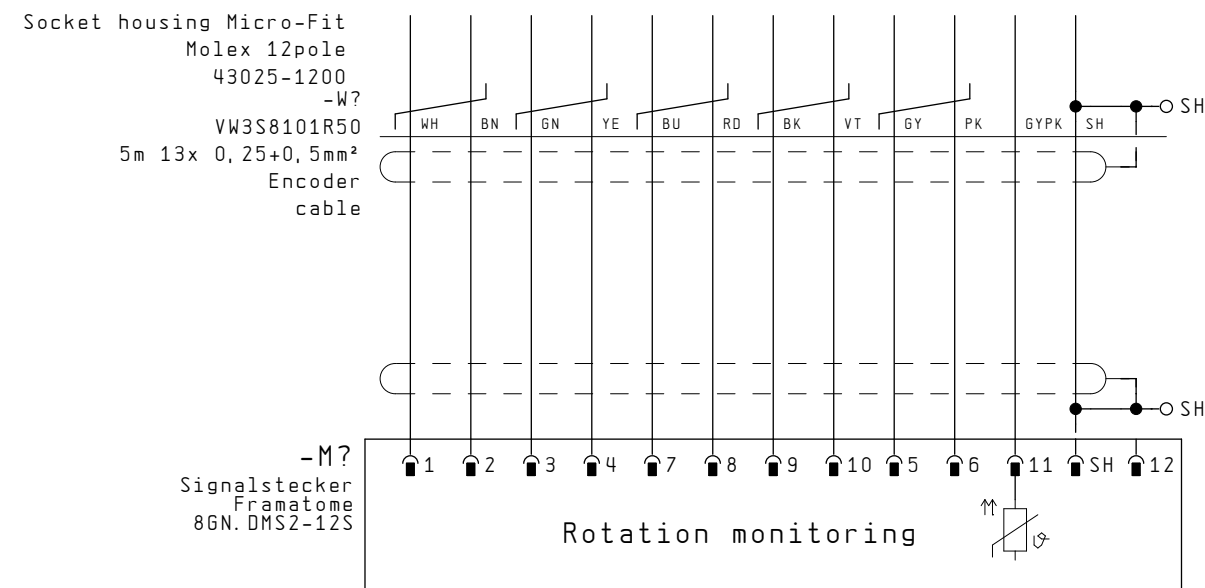




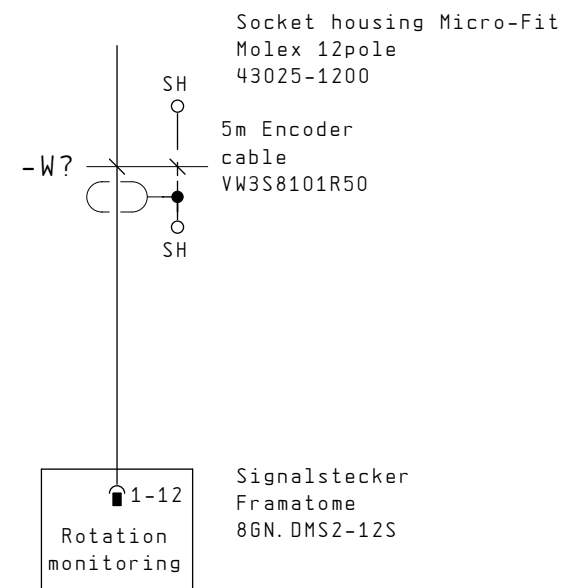
Multipolar representation



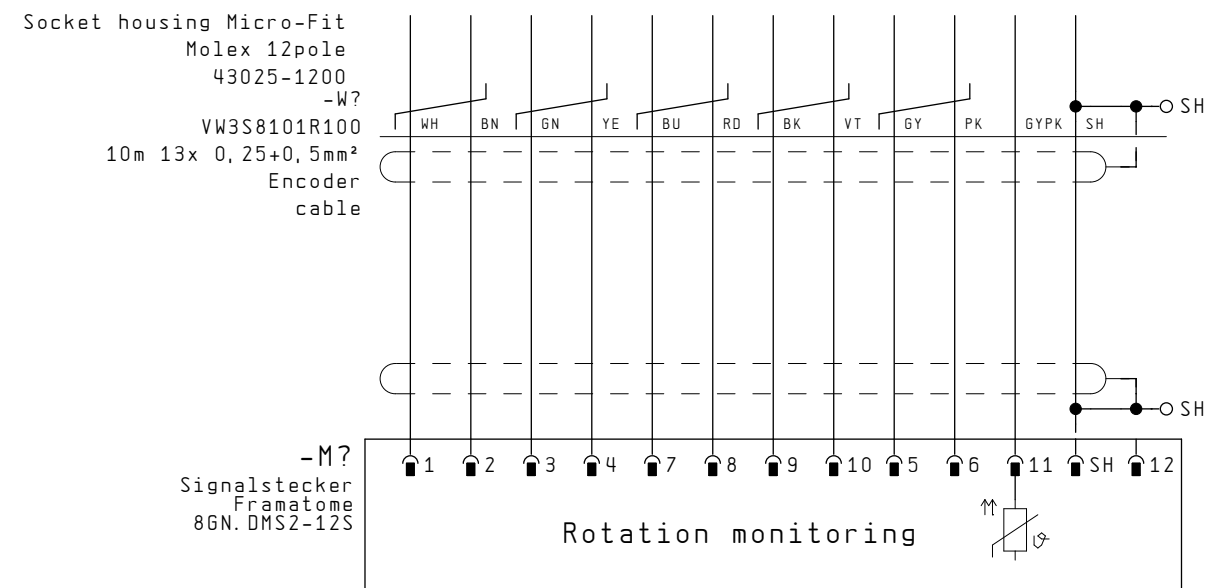
Single-pole representation



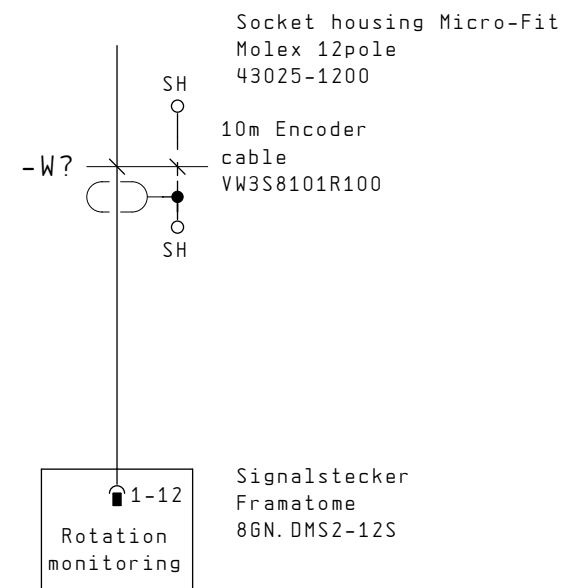
Multipolar representation



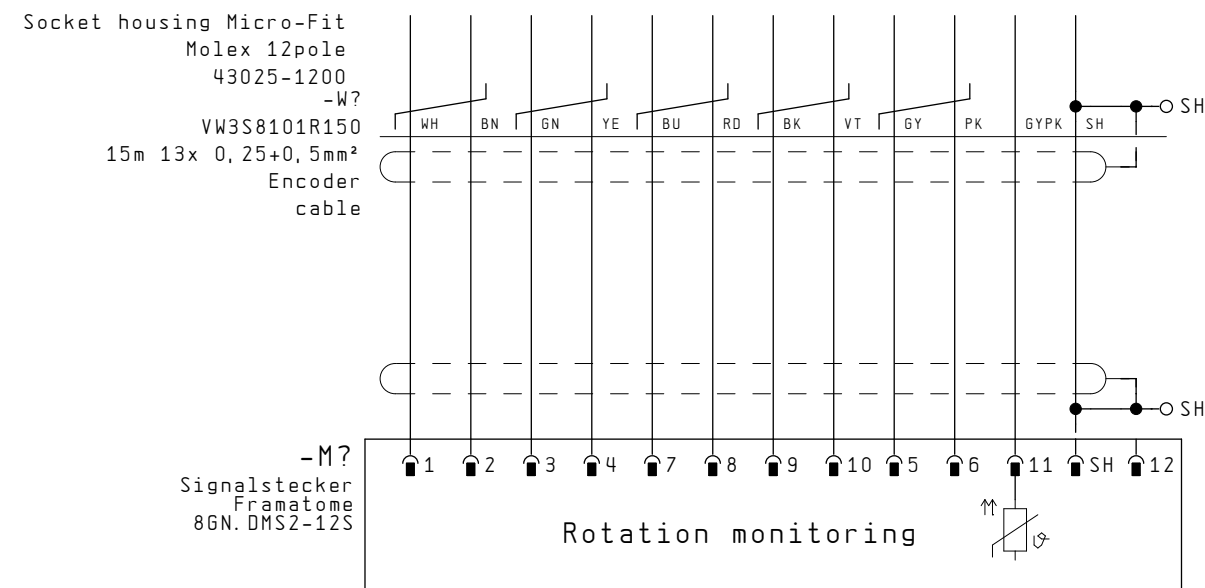
Single-pole representation



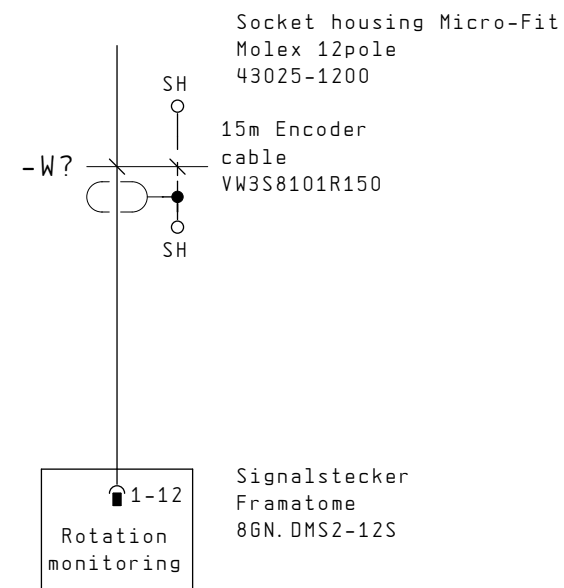
Multipolar representation



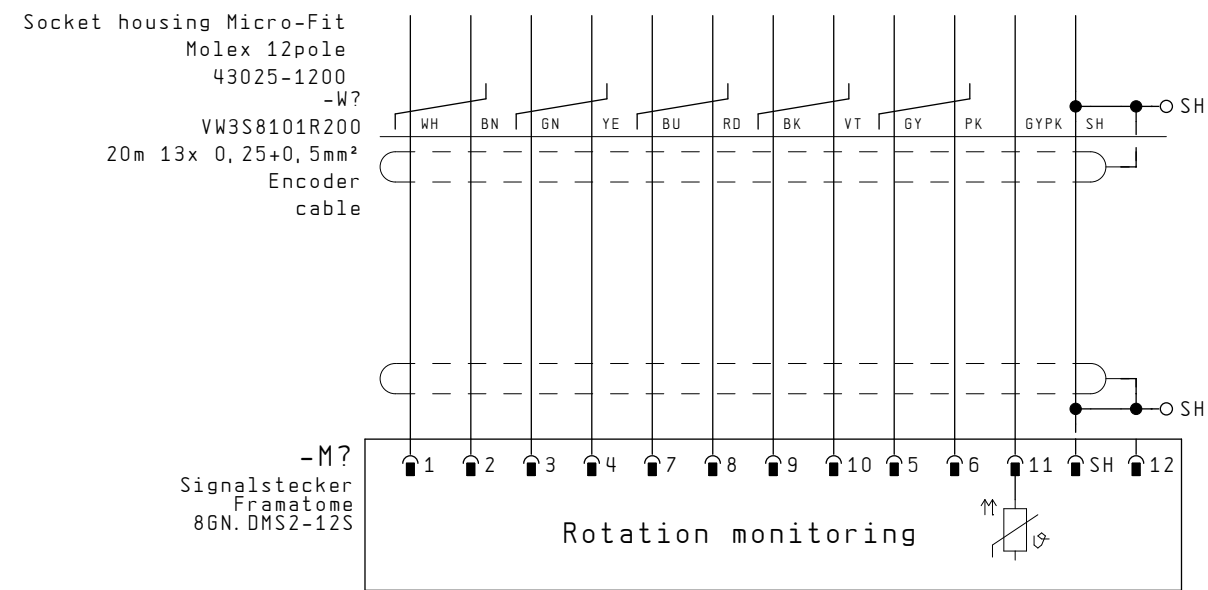
Single-pole representation



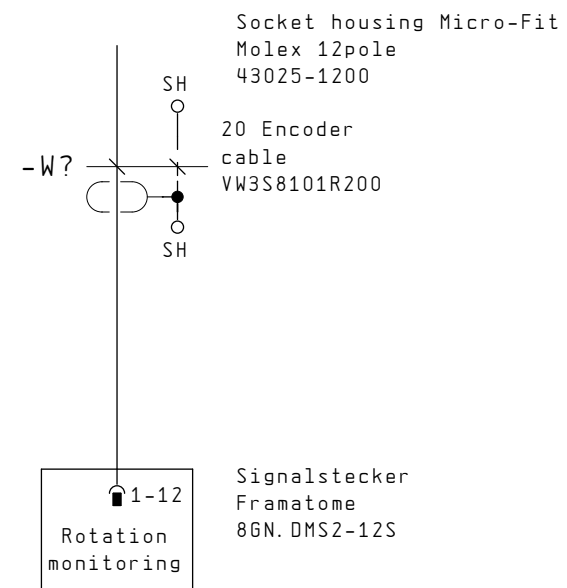
Multipolar representation



Single-pole representation

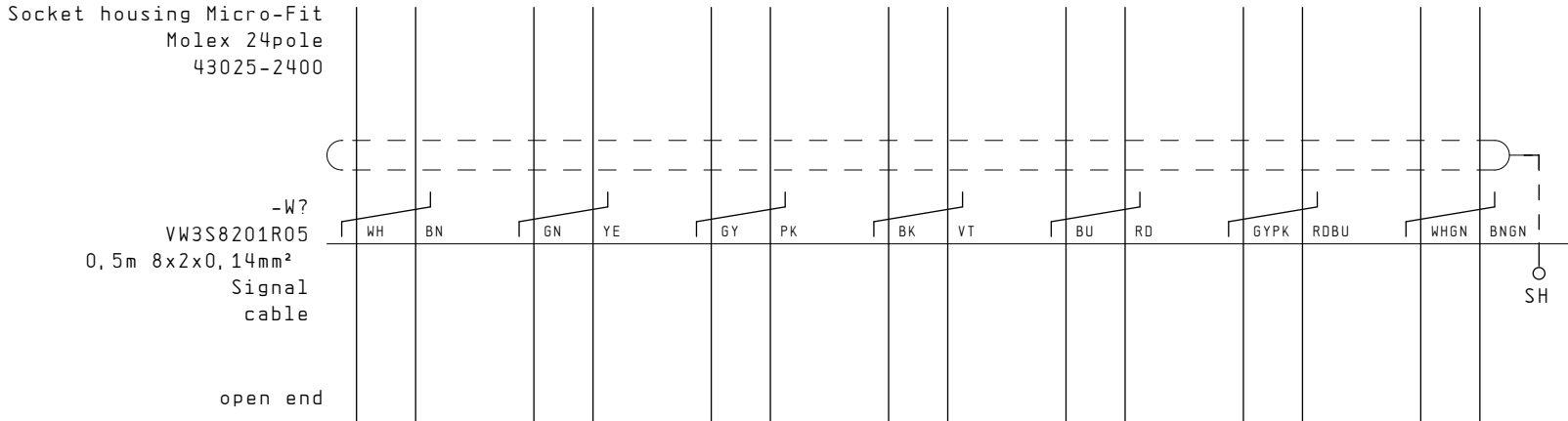


Multipolar representation

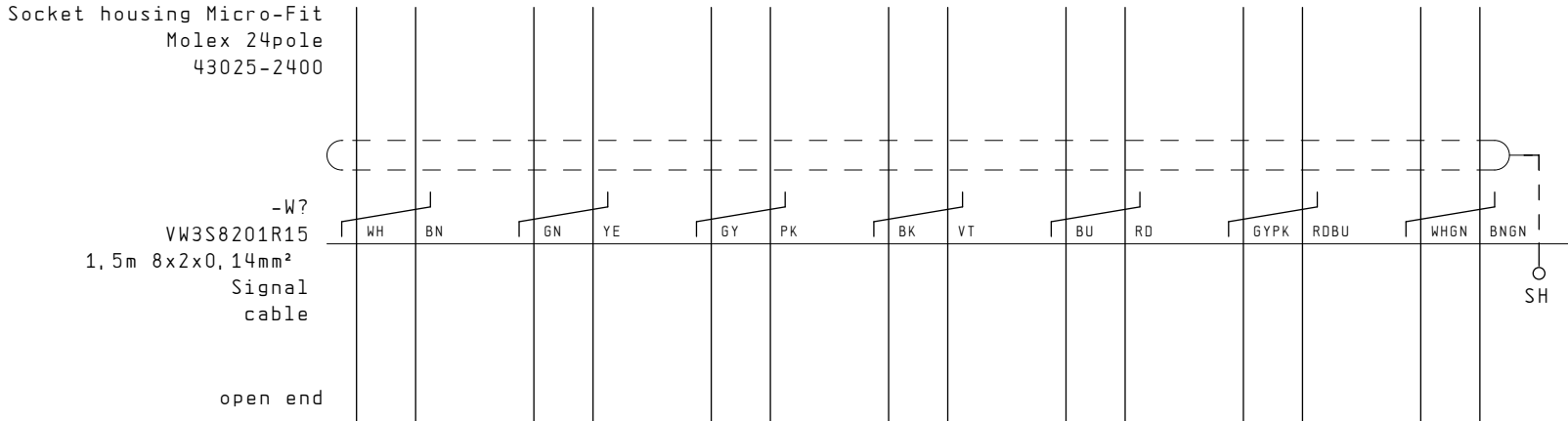


Single-pole representation

0	1	2	3	4	5	6	7	8	9
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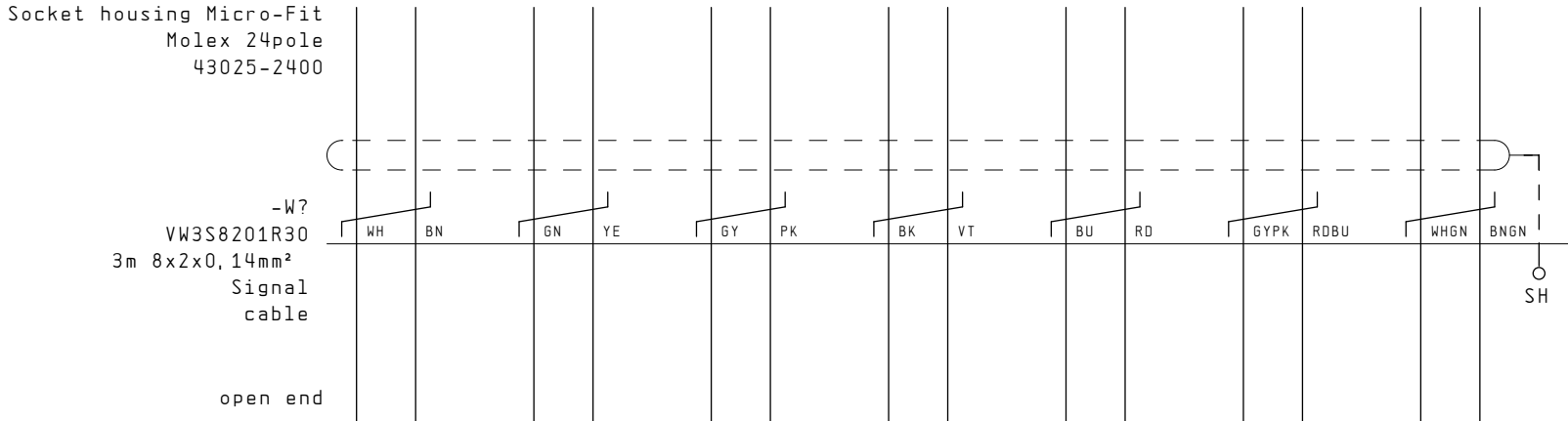


0	1	2	3	4	5	6	7	8	9
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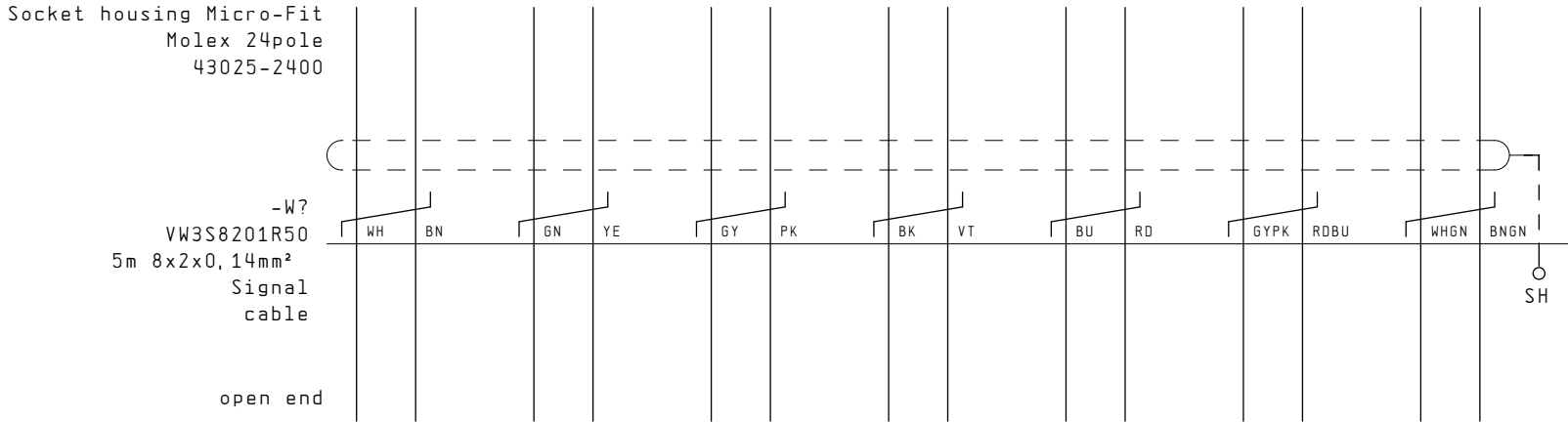
			Date	01.02.06	BERGER LAHR	Signal cable 1,5m Pulse/dir., 5V	Type/Part No: VW3S8201R15 Macro: VW3S8201R15	=SD3 +VW3S	
			User.	CBA					
			Check.	19.06.06					
Changes	Date	Name	Norm		MACROS SD326			Sheet 0041	Page 17 of 33

0	1	2	3	4	5	6	7	8	9
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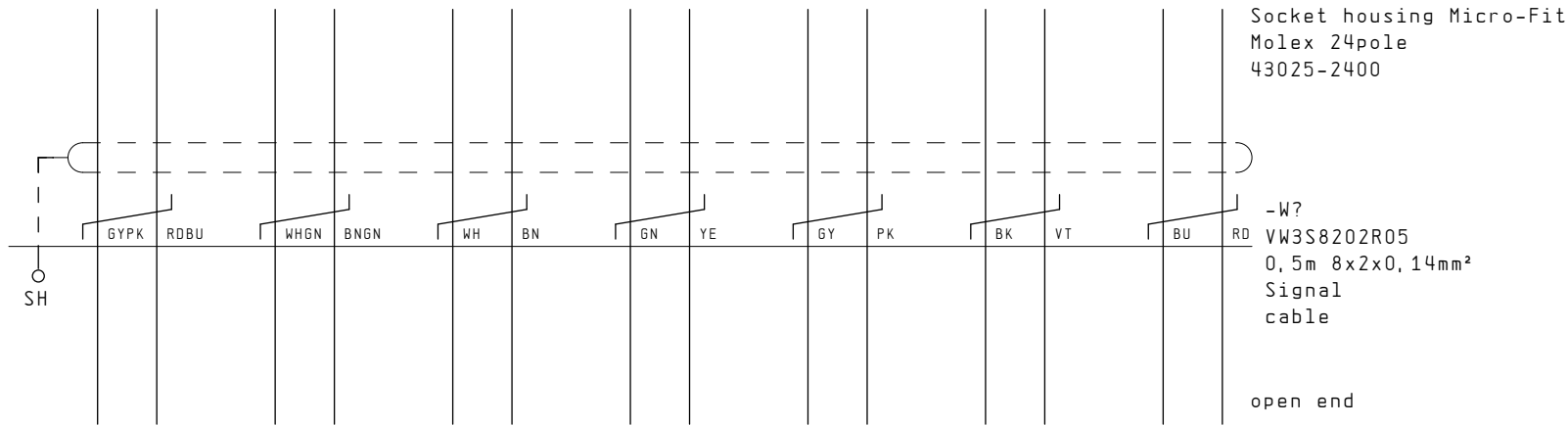


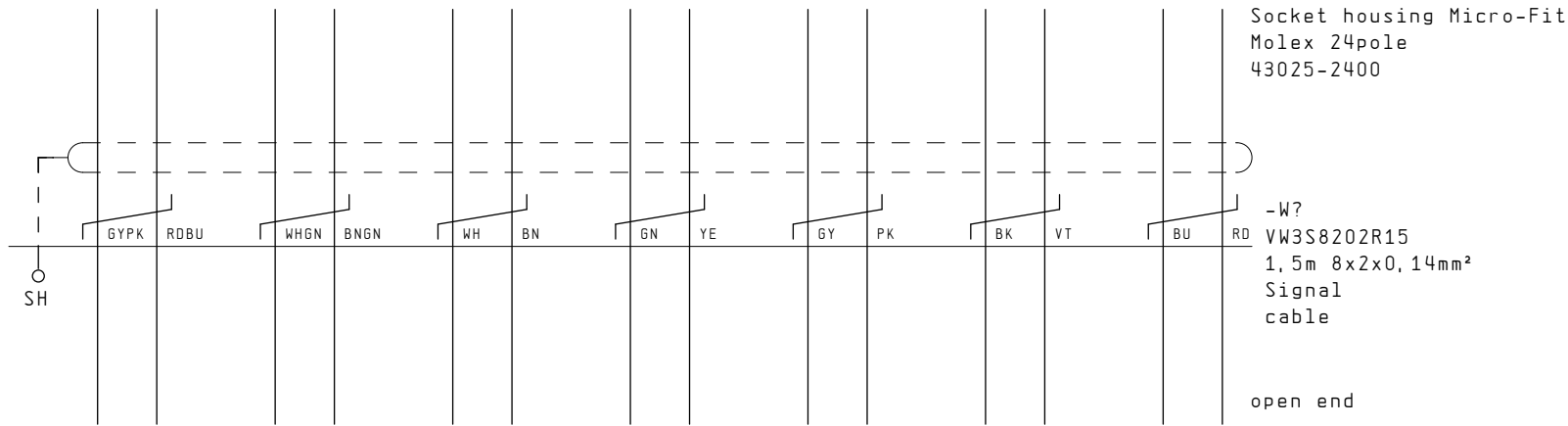
			Date	01.02.06	BERGER LAHR	Signal cable 3m Pulse/dir., 5V	Type/Part No: VW3S8201R30 Macro: VW3S8201R30	=SD3 +VW3S
			User.	CBA				
			Check.	19.06.06				
Changes	Date	Name	Norm		MACROS SD326			Sheet 0042 Page 18 of 33

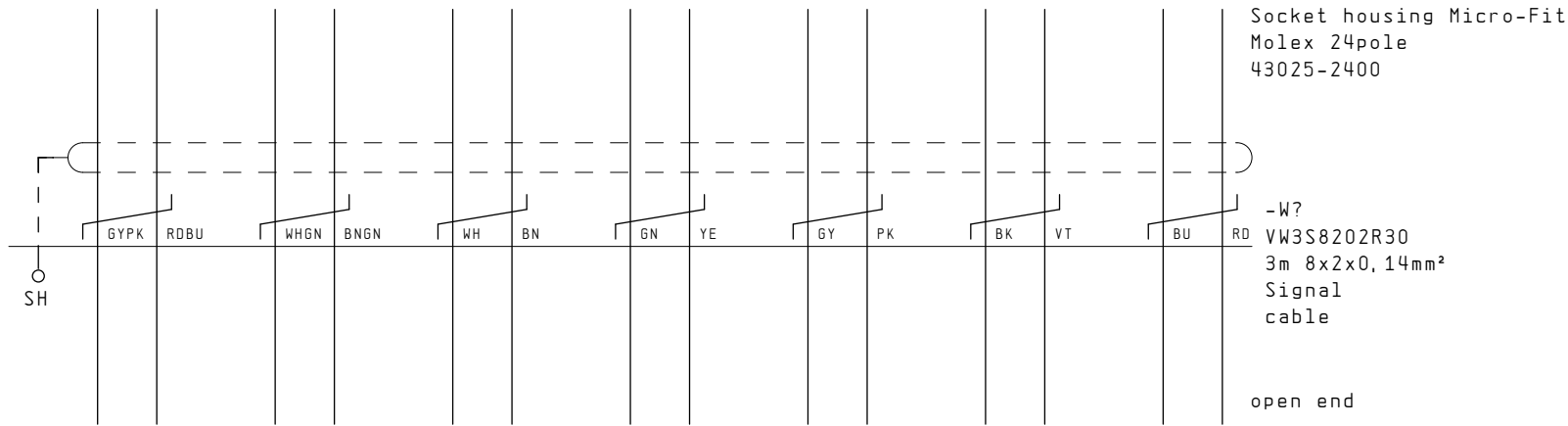
0	1	2	3	4	5	6	7	8	9
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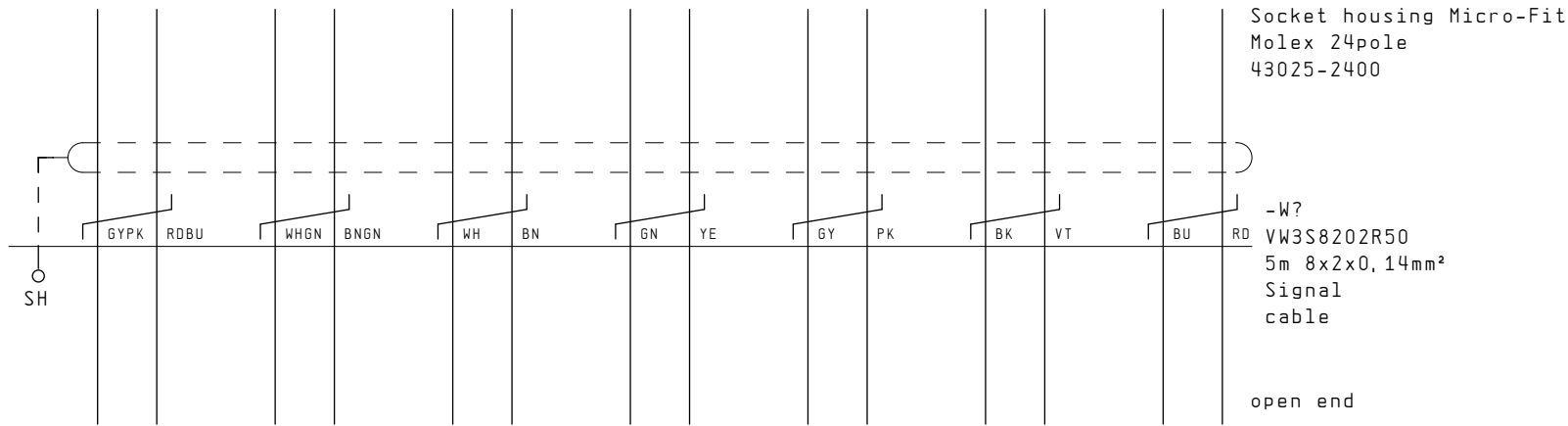


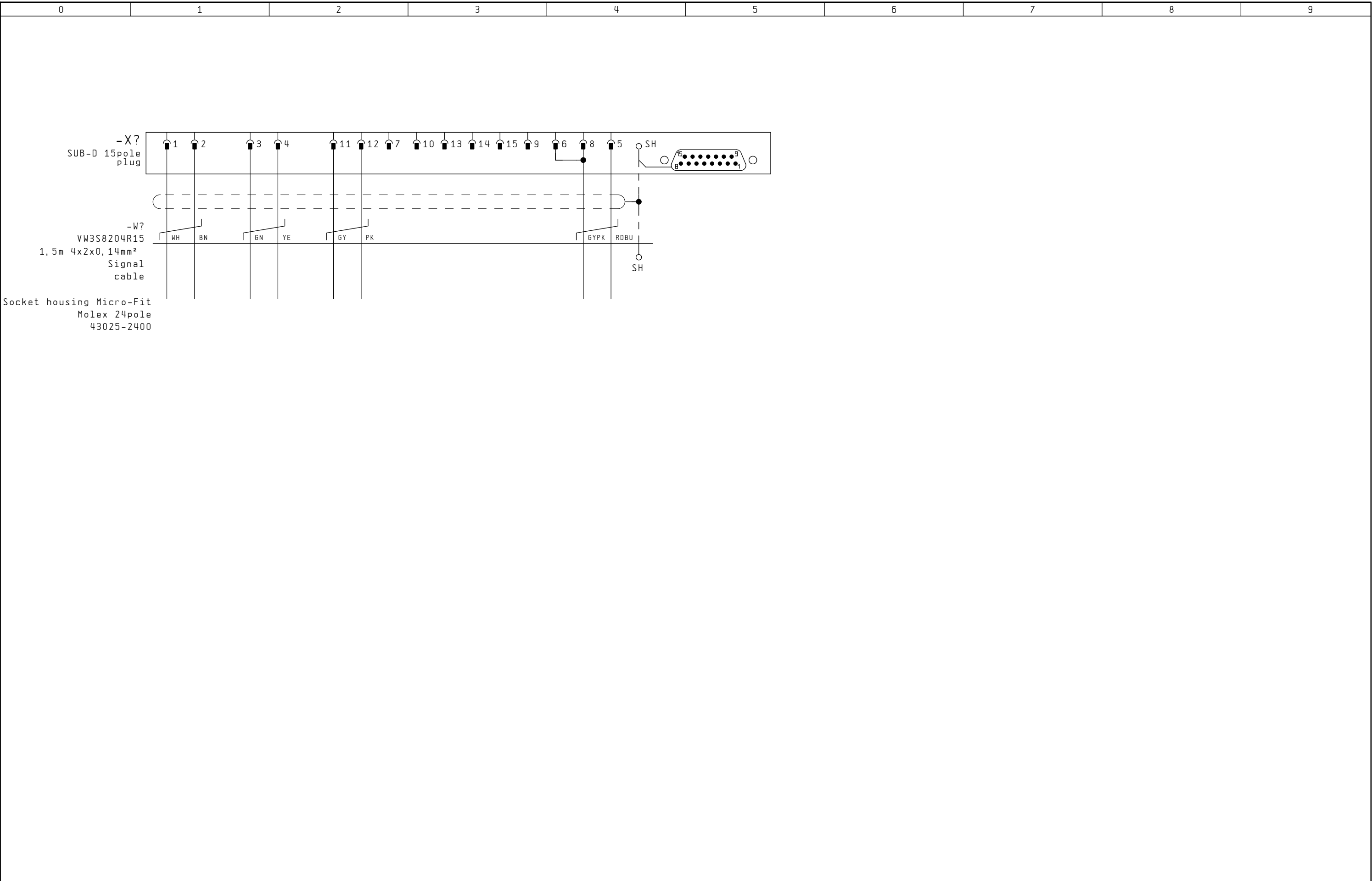
			Date	01. 02. 06	BERGER LAHR	Signal cable 5m Pulse/dir., 5V	Type/Part No: VW3S8201R50 Macro: VW3S8201R50	=SD3 +VW3S
			User.	CBA				
			Check.	19. 06. 06				
Changes	Date	Name	Norm		MACROS SD326			Sheet 0043 Page 19 of 33

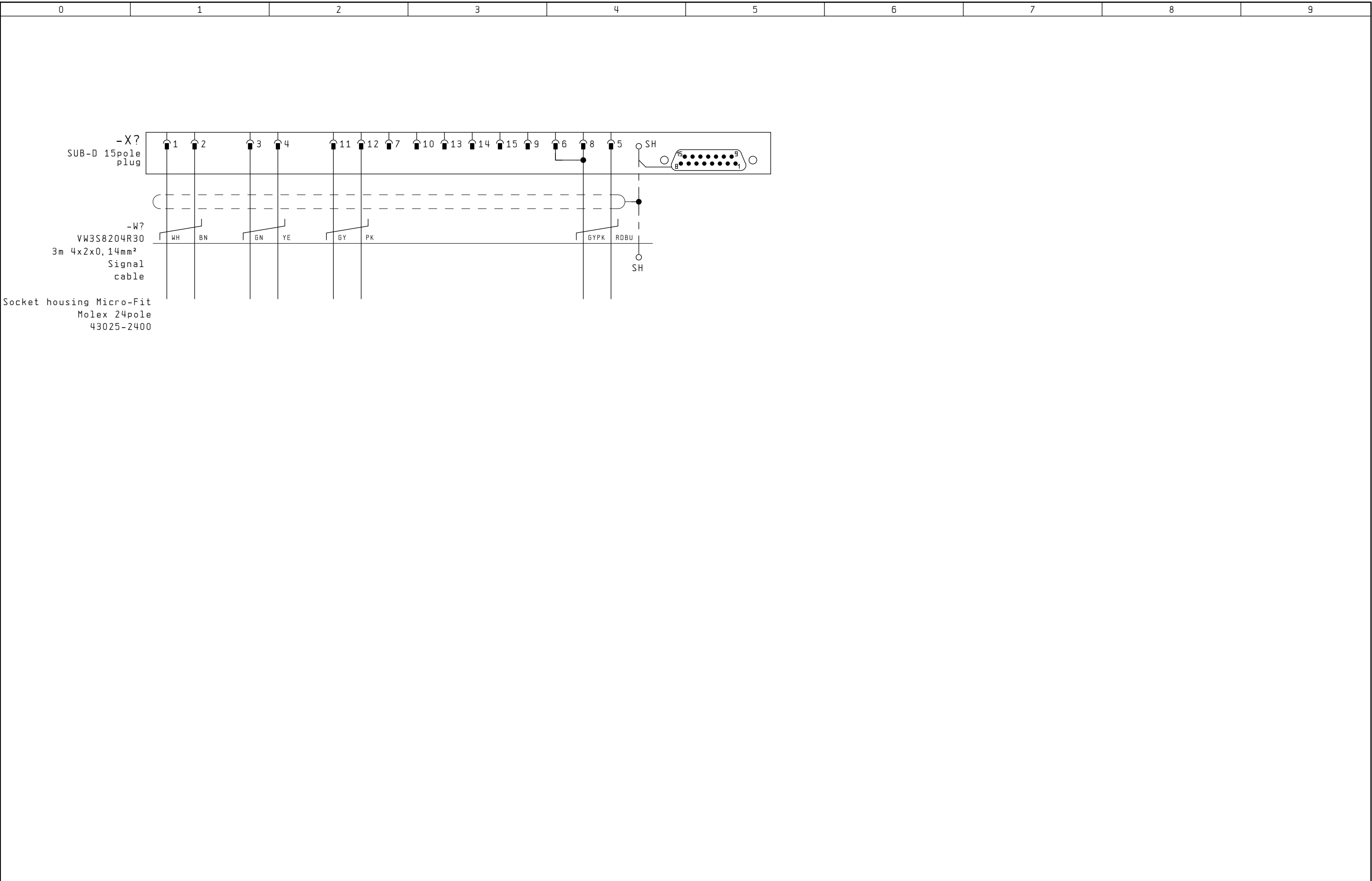




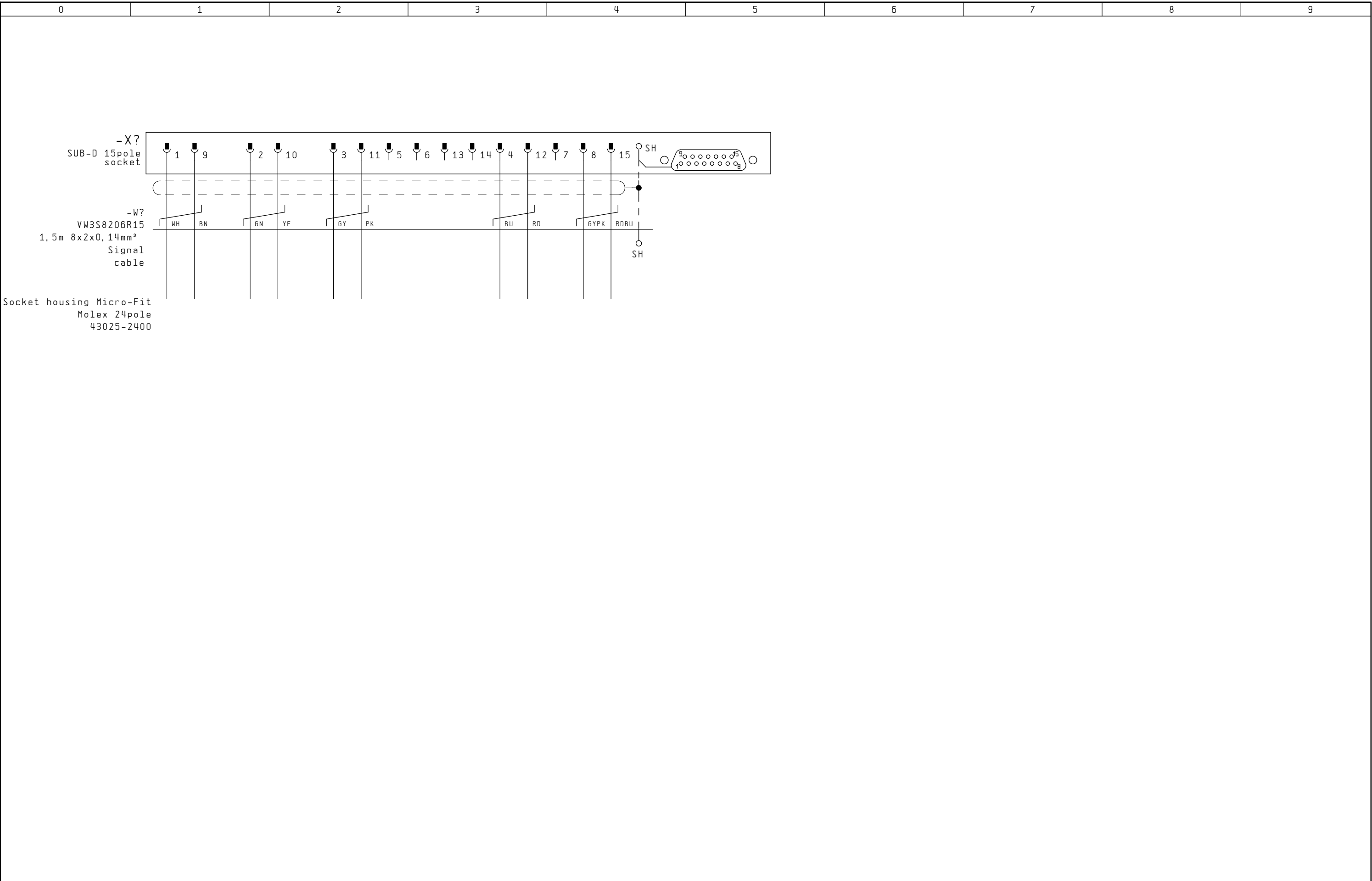


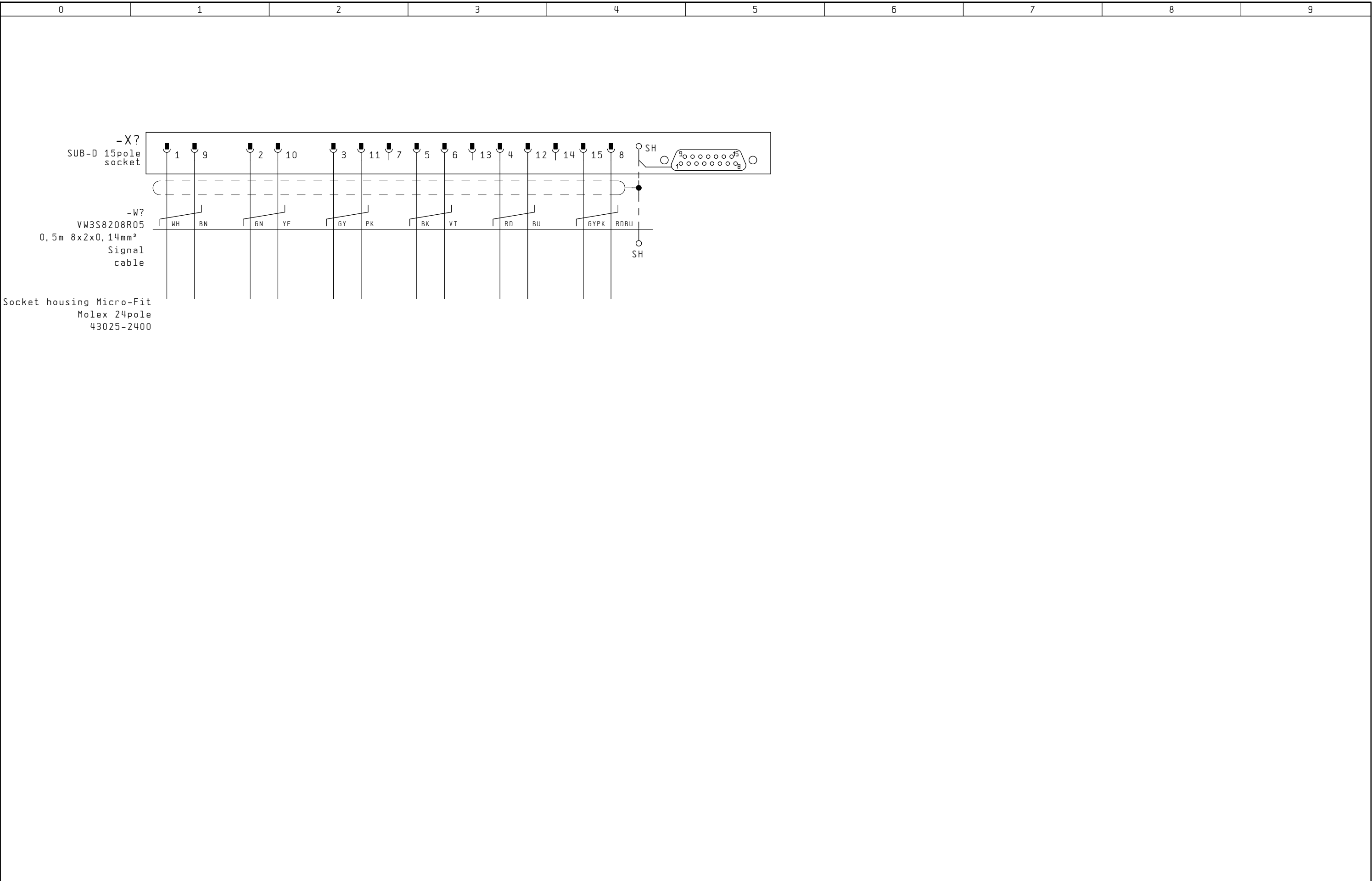


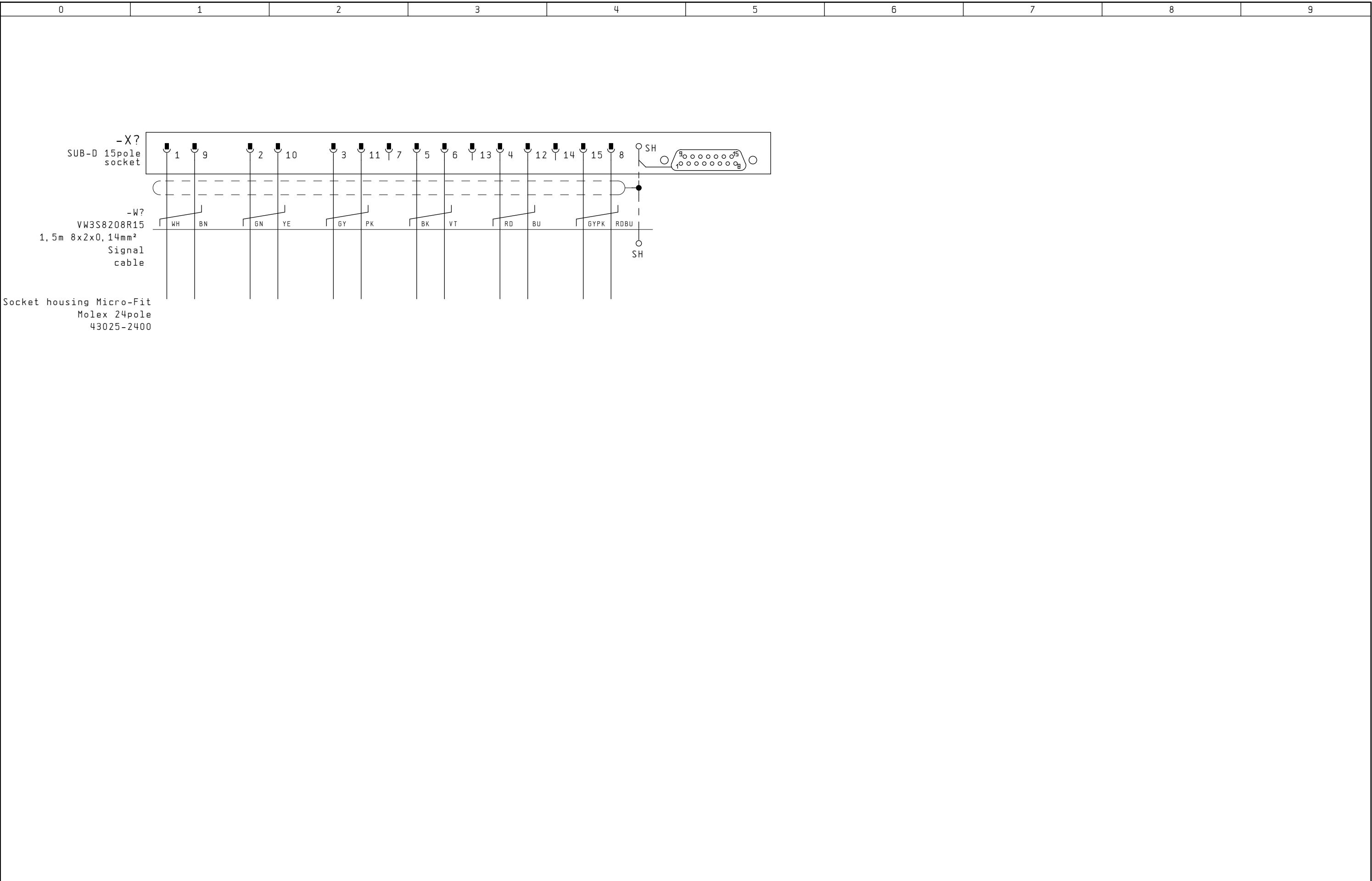


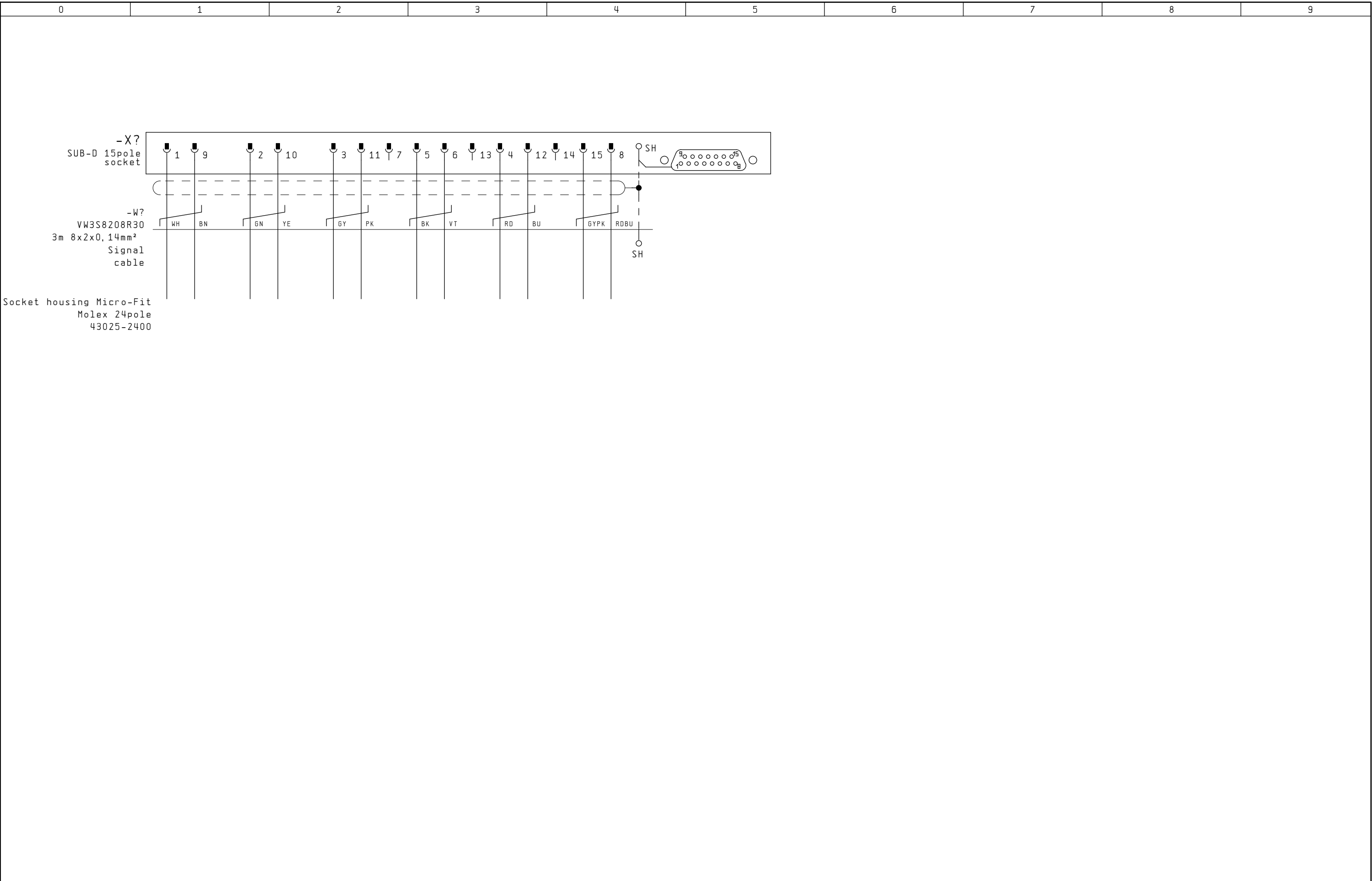


			Date	01.02.06	<div>BERGER LAHR</div>	Signal cable 3m Pulse/dir.	Type/Part No: VW3S8204R30 Macro: VW3S8204R30	=SD3 +VW3S	
			User.	CBA					
			Check.	19.06.06					
Changes	Date	Name	Norm		MACROS SD326			Sheet 0049	Page 25 of 33

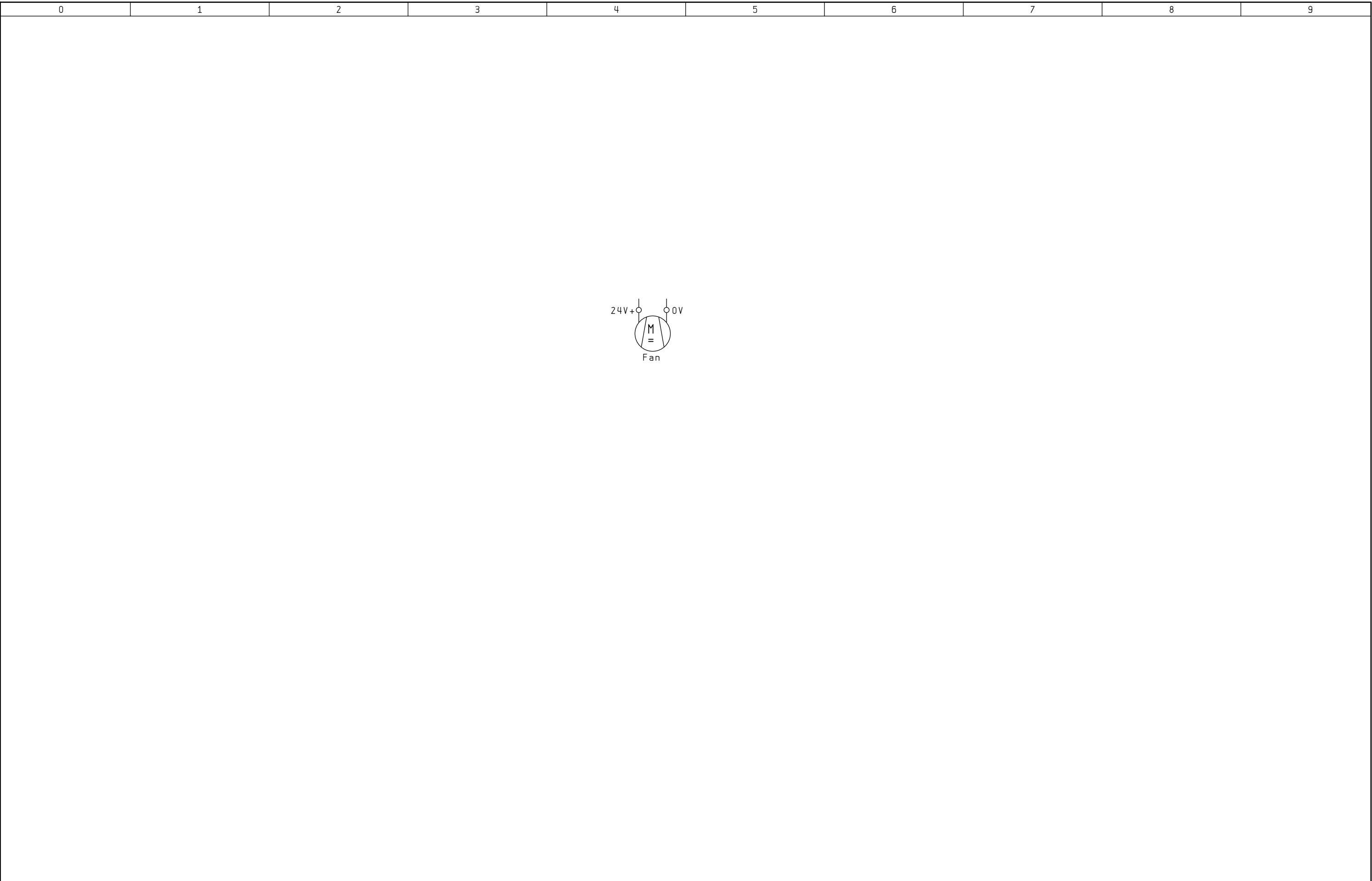








Socket housing Micro-Fit
Molex 24pole
43025-2400



0	1	2	3	4	5	6	7	8	9	
<div><div><div>172.0</div><div>49.5</div><div></div></div></div>										
			Date	01.02.06	BERGER LAHR	Fan Set	Type/Part No: VW3S3101 Macro: VW3S3101		=SD3 +VW3S	
			User.	CBA						
			Check.	19.06.06						
Changes	Date	Name	Norm		MACROS SD326			Sheet 0057	Page	33 of 33